

DATE: 20200413

PURPOSE OF LTI: JLTJ

SERVICE REQUEST: 29796648

RESPONSIBLE UNIT: 30 AA BN

SET SERIAL: 523612

NOMENCLATURE: AWP7A)

TAMN: E08467K 2350
NSN: 01-458-7410

[illegible]

DEFECT CODES: S - SERVICABLE U - UNSERVICABLE M - MISSING

SL-3 COMPLETE: YES / NO

MODS VERIFIED: YES / NO

LAST PMCS DATE: 2019 10/6

COMMENTS: LIGHT, EXTENSION, QTY, 00-086-4293

CONDITION CODE: F(1.1) ~~AT~~ 0 PS)

LTI BY PRINT/SIGI

(b)(3), (b)(6), (b)(7)(c)

LTI BY PRINT/

(b)(3), (b)(6), (b)(7)(c)

DATE:

20200413

ENCLOSURE (53)

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|--------------------------------------|
| MODEL (CIRCLE ONE) | REFERENCES |
| AAVP7A1 | TM 09674A-25&P/4 TM 8F152B-25&P |
| AAVC7A1 | TM 07267B-50 |
| AAVR7A1 | TM 07268B-25&P/2 |
| TAC NO. 3-11-11 | MILES 14224 |
| U.S.M.C. NO. 523612 | HOURS 277 |
| HULL NO. RAM-S-0070 | |
| ENGINE NO. 37239369 | |
| TRANSMISSION NO. A1273E | |
| INSPECTOR'S NAME/RANK/SIGNATURE | DATE INSPECTED |
| (b)(3), (b)(6), (b)(7)(c) | 24132020 |
| <p>the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column.</p> | |

ENCLOSURE (5)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes. (Para. 8-33) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights. (Para. 11-32) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane. (Para. 10-14) | | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |
| b. Bow Plane. (Para. 10-17) | ✓ | | | | | | | |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | ✓ | | | | | | | |
| 5. Hull Port Side. Check for damage and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | | ✓ | | | | | | (AN) 1 plate Near Driver's seat |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 16-28) | | ✓ | | | | | | (M) 2 BOLTS |
| 7. Port Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | | | ✓ | | | | | 245° ROUNDED |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |

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|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Track. (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 12. Port Road Wheels and Hubs. (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 13. Port Support Arms. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| 1 2 3 4 5 6 | ✓ | | | | | | | |
| 14. Port Torsion Bars. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 15. Port Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | ✓ | | | | | | | |
| c. No. 3 Shock. | ✓ | | | | | | | |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 16. Port Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Port Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 19. Port Slap Guard. (Para. 7-10) Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 20. Port Idler Wheel and Hub. (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 21. Port Track Tension Adjuster. (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 22. Port Anode. (Para. 8-53) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 23. Port Midships Bearing. (Para. 9-18) Check for signs of leaks. | ✓ | | | | | | | |
| 24. Drive Shaft. (Para. 9-17) Check for signs of damage. | ✓ | | | | | | | |
| 25. Footman Loop. (Para.) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Handrails. (Para.) Check for weld cracks. | ✓ | | | | | | | |
| 27. Port Cargo Hatch Supports. (Para.) | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 28. Fuel Tank Pressure Relief Valve and Outlet Cover. (Para.) Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 29. Check fuel filter cap. (Para.) | ✓ | | | | | | | rusty |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 30. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 31. Bilge Pump Outlets. | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 32. Personnel Heater Exhaust Outlet. | | | | | | | | |
| a. Outlet Cap. | | | ✓ | | | | | FA02E |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 33. Exterior Fire Extinguisher Pull Handle. | | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 34. External Fuel Tank Drain. Check plug for tightness and leaks. | ✓ | | | | | | | |
| 35. Port Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 36. Port Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 37. Fuel Tank Pressure Relief Valve Outlet Cover. Check cover and mounting screws for damage. | ✓ | | | | | | | |
| 38. Port Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate driveshaft to check for free movement of impeller. | ✓ | | | | | | | |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Taillights. | | | | | | | | |
| a. Port Taillight. | ✓ | | | | | | | |
| b. Starboard Taillight. | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Vision Block and Guard | | | | | | | | |
| a. Vision Block Guard. | ✓ | | | | | | | |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch | | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | ✓ | | | | | | | |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 10. Trailer Receptacle | | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. | ✓ | | | | | | | |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer wheel. | ✓ | | | | | | | |
| c. Inner wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 18. Starboard Midships Bearing. Check for signs of leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 22. Starboard Shock Absorbers | | | | | | | | |
| a. No. 1 Shock | ✓ | | | | | | | |
| b. No. 2 Shock | ✓ | | | | | | | |
| c. No. 3 Shock | ✓ | | | | | | | |
| d. No. 4 Shock | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 23. Starboard Front Single Support Roller | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 24. Starboard Dual Support Roller | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 25. Starboard Rear Single Support Roller | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | | ✓ | | | | | | (M) 9 inner Pads |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 30. Starboard Final Drive. | | | | | | | | |
| a. Outer Housing. | | | ✓ | | | | | 45° Downward |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting, hardware and damage. | ✓ | | | | | | | |
| 33. Starboard Bilge Pump Outlets. | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails. | ✓ | | | | | | | |
| 37. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |

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|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-69a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-72) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 16-73) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-81) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-71) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-70) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-80) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | | | | | | | | |
| a. Hull. | ✓ | | | | | | | |
| b. Ramp. | ✓ | | | | | | | |
| c. Contact Cooler. | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille. | | | | | | | | |
| NOTE Make sure intake grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspirator. Check that valve works properly and inlet screen is clean and not damaged. (Para. 8-18) | | | ✓ | | | | | FROZE |
| 5. Radiator Cover and Cap. Check ballistics cover for damage and radiator cap for proper sealing. (Para. 8-19) | N | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | ✓ | | | | | | | |
| 7. Exhaust Grille. (Para. 8-14) | | | | | | | | |
| NOTE Make sure that exhaust grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators. | | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | ✓ | | | | | | | |
| 10. Driver's Hatch. | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | | | ✓ | | | | | torsion low |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| f. DVE Adapter Assembly. | ✓ | | | | | | | |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. | ✓ | | | | | | | |
| 12. Commander's Hatch. | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | | | ✓ | | | | | low torsion |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. | | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes Clamp. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | | | ✓ | | | | | Pm |
| 15. Overhead Protection Kit (OPK). | | | ✓ | | | | | Plate misstalled x1 |
| a. OPK Tiles. | | | ✓ | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | ✓ | | | | | | | |
| c. TBAM. | ✓ | | | | | | | |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. PLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| <p>NOTE Make sure intake grille is properly secured in raised position.</p> | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | | | ✓ | | | | | 6 Bats |
| c. TACNAV sensor. | | | ✓ | | | | | Clipped Pedest |
| 2. Intake Plenum Actuating Cylinder. | | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hoses. | ✓ | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| | | | | | | | | |
| 4. Cooling Fan. | | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |
| h. Drain Tube. | | - | | | | | | ① clamp |
| 5. Surge Tank. | | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | | | | | | | | |
| a. Ducts, Clamps, and Hoses. | ✓ | | | | | | | |
| b. Drain Tube. | | | ✓ | | | | | ① clamp |
| 7. Control Linkages. | | | | | | | | |
| a. Brake Linkage. | ✓ | | | | | | | |
| b. Steering Linkage. | ✓ | | | | | | | |
| c. Throttle Linkage. | ✓ | | | | | | | |
| d. Brake Flood Control Valve Linkage. | | | ✓ | | | | | Wose |
| NOTE | | | | | | | | |
| Make sure flood valve spindle moves freely. | | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | ✓ | | | | | | | |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | ✓ | | | | | | | Pm |
| 9. Electrical Wiring and Connections. | | | | | | | | |
| a. Bulk Head Connectors. | ✓ | | | | | | | |
| b. Power Plant Wiring. | ✓ | | | | | | | |
| c. Crew Vent Fan. | ✓ | | | | | | | |
| d. Electrical Bilge Pump. | ✓ | | | | | | | |
| 10. Hydrostatic Steering Disconnect Lever. Check lever for correct operation, damage, and wear. Check for leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive | | | | | | | | |
| a. Oil/Oil Level. | | | ✓ | | | | | low oil |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| d. Speedometer Adapter/Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | | | ✓ | | | | | Safety wire ③ |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | ✓ | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | | ② | ✓ | | | | | Safety wire |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | ✓ | | | | | | | |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | ✓ | | | | | | | |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | ✓ | | | | | | | |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock/Contamination. | ✓ | | ✓ | | | | | (M) bolt |
| c. Electrical Leads/Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware/Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads/Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | | | ✓ | | | | | need adjust |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Att) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | | | ✓ | | | | | need 1-2 quarts |
| Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | | | ✓ | | | | | Need pm |
| 11. Generator. | | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | | | ✓ | | | | | need tighten |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | ✓ | | | | | | | |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of safety wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |
| 15. Cold Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | | | ✓ | | | | | low |
| d. Dipstick for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | |
| NOTE | | | | | | | | |
| Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (aft). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | |
| a. Aft Upper. | ✓ | | | | | | | |
| b. Aft Center. | ✓ | | | | | | | |
| c. Aft Lower. | ✓ | | | | | | | |
| d. Port Upper. | ✓ | | | | | | | |
| e. Port Lower. | ✓ | | | | | | | |
| f. Smoke Generation. | ✓ | | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | |
| a. Bottle and Tag. | | ✓ | | | | | | (M) tag |
| b. Control Valve. | ✓ | | | | | | | |
| c. Clamps. | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | ✓ | | | | | | | |
| 6. Air Cleaner Compartment. | | | | | | | | |
| a. Access Door. | ✓ | | | | | | | |
| b. Retaining Brackets. | ✓ | | | | | | | |
| c. Element. | ✓ | | | | | | | |
| d. Compartment. | ✓ | | | | | | | |
| 7. Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | ✓ | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | | | | | | | | |
| a. Internal Fuel Tank Drain. | | ✓ | | | | | | (M) belt |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank. | | | | | | | | |
| a. Electrical Leads. | | | ✓ | | | | | Plug in front disconnected |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | ✓ | | | | | | | |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts/Straps. | ✓ | | | | | | | |
| f. Adjusting Rods. | ✓ | | | | | | | |
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | ✓ | | | | | | | |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVE Container. | | ✓ | | | | | | (M) cover |
| f. Portable Fire Extinguisher Bracket. | ✓ | | | | | | | |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support. | ✓ | | | | | | | |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check cover for tight screws. Check slave output power switch for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included If unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Batteries | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Holddowns. | ✓ | | | | | | | |
| c. Cables and Terminals. | ✓ | | | | | | | |
| d. Battery and Terminal Posts. | ✓ | | | | | | | |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | | | | | | |
| a. Port | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 18. Water Jet System Components | | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | ✓ | | | | | | | |
| 19. AFSSS Electrical Components | | | | | | | | |
| a. Sensors Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | ✓ | | | | | | | |
| 21. Aft Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 23. Ramp Lock Linkage. Check to see that linkage does not bind. Check for bent or warped linkage rods. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | ✓ | | | | | | | |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates. | | | | | | | | |
| a. Deck Plates (port and starboard). | | | ✓ | | | | | (M) 14 bolts |
| b. Center Deck Plate. | | | ✓ | | | | | (M) 10 bolts |
| c. Contact Cooler Bleeder Valve Access Cover. | ✓ | | | | | | | |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tiedown Rings. | ✓ | | | | | | | |
| NOTE Remove troop compartment deck plates before continuing. | | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramp Cylinder and Cable. | ✓ | | | | | | | I clamp broken |
| 29. Hydraulic Bilge Pump | | | | | | | | |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump | | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17 lb) | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal. | ✓ | | | | | | | |
| c. Tag Date. | | ✓ | | | | | | (M) tag |
| d. Seal. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 33. Personnel Heater. | ✓ | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | ✓ | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 36. Radio Mounts. | ✓ | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| 37. EPLRS Rack. | ✓ | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | ✓ | | | | | | | |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7-lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seal on control head. | | | | | | | | |
| a. Bracket and Mounting Hardware. | ✓ | | | | | | | |
| b. Tag Date. | ✓ | ✓ | | | | | | Ⓜ tag |
| c. Wire Seal. | ✓ | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | ✓ | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | | | ✓ | | | | | hydro problem |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | ✓ | | | | | | | |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | ✓ | | | | | | | |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | ✓ | | | | | | | |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gages are securely mounted in panel, and that hose connections are tight. | | | ✓ | | | | | Lights left out behind |
| 13. Accelerator Pedal. | | | | | | | | |
| a. Mounting Hardware/Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | ✓ | | | | | | | |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel lift. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Lamp Test/Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | | | ✓ | | | | | Unserviceable |
| d. Panel Lights Brt/Dim Switch. | ✓ | | | | | | | |
| e. Cold Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | | | | | | |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | ✓ | | | | | | | |
| <p align="center">NOTE</p> <p>Bar scales and warning lights will be checked during the operational portion of preinduction.</p> | | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | ✓ | | | | | | | |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | ✓ | | | | | | | (M) Slave Receptacle Cover & Chain ↓ |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | | ✓ | | | | | | |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | ✓ | | | | | | | needs PM |
| 27. Data Plates. Check for damage. | ✓ | | | | | | | |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MRSS and AFSSS) | | | | | | | | |
| <p align="center">NOTE</p> <p>At this time all fire suppression system bottles are to be pulled and weighed.</p> | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | ✓ | | | | | | | |
| d. Seal. | ✓ | | | | | | | |
| 33. Drive Shaft Guards. Check guards for damage and mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Horn. | | | ✓ | | | | | INSP |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | ✓ | | | | | | | |
| f. Panel Lights (brt/dim). | ✓ | | | | | | | |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P/4, (See worksheet at the end of this Appendix). | | | | | | | | |
| 3. Vehicle Stall Check: With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | ✓ | | | | | | | |
| b. Transmission. | ✓ | | | | | | | |
| c. Engine. RPM. | ✓ | | | | | | | 2650 RPM |
| d. TACNAV Indicator. Check that system powers and display works. | ✓ | | | | | | | |
| 4. Lights. Check that lights work properly: | | | | | | | | |
| a. Light Switch. | ✓ | | | | | | | |
| b. Service Drive. | ✓ | | | | | | | |
| c. Dimmer Switch. | ✓ | | | | | | | |
| d. Blackout Markers. | ✓ | | | | | | | |
| e. Stop Light. | ✓ | | | | | | | |
| f. Park. | ✓ | | | | | | | |
| g. Searchlight. | ✓ | | | | | | | |
| h. Interior Dome Lights. | ✓ | | | | | | | |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | ✓ | | | | | | | |
| 6. Lamp Test Warning Cancel Switch. Check audio signal with proper comm helmet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | ✓ | | | | | | | |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | ✓ | | | | | | | |
| 3. Smoke Generation. Check for correct operation. | ✓ | | | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | ✓ | | | | | | | |
| 5. Speedometer. Check for correct operation. | ✓ | | | | | | | |
| 6. Noises. Check for any unusual noises. | ✓ | | | | | | | |
| XI. Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | | | ✓ | | | | | Hydro problem |
| 2. Check if hydraulic bilge pumps operation. | | | ✓ | | | | | Hydro Problem |
| 3. Check if electric bilge pumps operate. | ✓ | | | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | ✓ | | | | | | | |
| 5. Bow Plane Operation | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | | | ✓ | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | | | ✓ | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | | | ✓ | | | | | |

NOTE

See TM 10004A-25&P/2 for LTI of UGWS Unique Items.
 See TM 07267B-25&P/4 for LTI of AAVR7A1 Unique Items.
 See TM 07268B-25&P/2 for LTI of AAVC7A1 Unique Items.

100P
hydro

APPENDIX C

ASSAULT AMPHIBIOUS VEHICLE
UPGUNNED WEAPONS STATION (UGWS), AAVP7A1

LIMITED TECHNICAL INSPECTION

TAC No. 3-11-11 USMC No. 523612 Miles 1424 Hours 277
 Date Inspected 20200413 Inspect (b)(3), (b)(6), (b)(7)(c)

*See Table C-1 for UGWS Deadline Criteria.

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | ✓ | | | | | | | |
| b. Area around 12 channel slip ring clear of obstructions. | ✓ | | | | | | | |
| 2. 12 Channel Slip Ring. | | | | | | | | |
| a. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| b. Upper portion of 12-channel slip ring rotates freely. | ✓ | | | | | | | |
| c. Manual and electrical weapons station operation. | ✓ | | | | | | | |
| 3. Power Relay Assembly. | | | | | | | | |
| a. Box secure to bottom of basket. | ✓ | | | | | | | |
| b. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| 4. Basket inspection | | | | | | | | |
| a. Seat belt secure, latch working properly, belt in good condition. | ✓ | | | | | | | |
| b. Stowed items do not overhang basket. | ✓ | | | | | | | |
| c. Seat in good condition, locks in all height positions, secure in basket assembly. | ✓ | | | | | | | |
| II. Weapons Station Interior | | | | | | | | |
| 1. Turret Power Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 2. Weapon Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |

ENCLOSURE (53)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Traverse Switch Assembly | | | | | | | | |
| a. Box cover secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 4. M36E TSS Periscope | | | | | | | | |
| a. Mounting Screws. Check screws for security. Check sight is secure to turret weldment. | ✓ | | | | | | | |
| b. Sight. Check for moisture in window and in mirror. Check condition of glass. | ✓ | | | | | | | |
| c. Sight Eyepieces. Check for moisture, condition of reticles, condition of eye-piece pads, and proper operation. | ✓ | | | | | | | |
| d. Latch Assembly. Check that latch moves freely, and has spring tension. | | | ✓ | | | | | needs pin |
| e. Hanger Strap. Check for serviceability. | ✓ | | | | | | | |
| f. Head Assembly. Check nuts on head assembly for tightness. | ✓ | | | | | | | |
| g. Body Assembly. Check mounting hardware for security and that safety wire is present. | ✓ | | | | | | | |
| h. Boresight Knobs - Azimuth and Elevation. Check setting on both knobs and record. Turn each knob. check for smooth movement and shift of sight reticle. Reposition knobs to original settings. | ✓ | | | | | | | |
| i. Sight Power Electrical Connectors. Check that electrical connectors are in good condition. | ✓ | | | | | | | |
| j. Check for cracks, dents, burns and chipped paint on housing. | ✓ | | | | | | | |
| k. Check that valve cap is tight and retaining strap is not broken or missing. | ✓ | | | | | | | |
| l. Check that both knobs on elbow assembly move freely from LO to HI position. | ✓ | | | | | | | |
| m. Check that lamp holder is tight and packing is installed. | ✓ | | | | | | | |
| n. Check that plug or shutter switch is present. If missing, notify supervisor. | ✓ | | | | | | | |
| o. Check that all boresight knobs move freely, and scales can be easily read. | ✓ | | | | | | | |
| p. Check ID plate for damage and if it can be easily read. If plate cannot be read, notify supervisor. | ✓ | | | | | | | |
| q. Check that shutter switch will not move to ON without pushing safety button first. | ✓ | | | | | | | |
| r. Check that valve cap strap is not damaged or missing. | ✓ | | | | | | | |
| s. Check that all screws are tight on mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | ✓ | | | | | | | |
| 6. 50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | ✓ | | | | | | | not secured |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | | | ✓ | | | | | Not Secured |
| 7. Equilibrator. Check for corrosion, security and adjustment. | ✓ | | | | | | | |
| 8. 50 Caliber Ammo Feed System. | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | ✓ | | | | | | | |
| b. Check security and condition of roller guides. | ✓ | | | | | | | |
| 9. 40mm Ammo Feed System. | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | ✓ | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | ✓ | | | | | | | |
| c. Check anti-feedback lever for condition and security. | ✓ | | | | | | | |
| 10. 40mm Ammo Box Assembly. | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | ✓ | | | | | | | |
| b. Check operation of latches. | ✓ | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | ✓ | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | ✓ | | | | | | | |
| 12. 40mm Mantlet. | | | | | | | | |
| a. Check condition and security. | ✓ | | | | | | | |
| b. Check operation of cover latches. | ✓ | | | | | | | |
| 13. 50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | ✓ | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 15. Elevation Control Assembly. Check for security and condition. | | | ✓ | | | | | (M) rubber covered |

ENCLOSURE (53)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Gunner's Trigger Switch. Check for security and condition. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 17. Linkage. Check for security and condition. | ✓ | | | | | | | |
| 18. Grenade Launcher Inhibit Switch. Check for security and condition. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| 19. Elevation Interrupter Switches. Check for condition and security. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 20. Utility Light. Check that light and electrical connector is secure and in good condition. | ✓ | | | | | | | |
| 21. Communications Box. | | | | | | | | |
| a. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | | | ✓ | | | | | NOT MOUNTED |
| 22. Weapons Station. Inspect for damage, security and clarity. | | | | | | | | |
| a. Vision Blocks. Inspect for damage, security and clarity. | ✓ | | | | | | | |
| b. Ring Gear. Inspect for damage and corrosion. Should be clean and no grease. | ✓ | | | | | | | |
| 23. Hatch. | | | | | | | | |
| a. Seal, Hatch Hinges. Inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Hatch Latch Check. It should lock the hatch closed, hatch vertical to turret and hatch horizontally open in three positions (15 degrees, 90 degrees and 175 degrees). | ✓ | | | | | | | |
| c. Hatch Handle. Check security, condition and proper operation. | ✓ | | | | | | | |
| d. Crash Pads. Inspect pads on hatch and weapons station for security and condition. | | | | | | ✓ | | Need replace |
| 24. DAGR. | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | | ✓ | | | | | | |
| b. Check for security and condition. | | ✓ | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | ✓ | | | | | | | |
| 2. Mount, Spot Light. Inspect condition and security. | ✓ | | | | | | | |
| 3. Smoke Grenade Launchers | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | ✓ | | | | | | | |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | ✓ | | | | | | | |
| c. Rubber Caps. Check sight caps for condition. | ✓ | | | | | | | |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | ✓ | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | | | ✓ | | | | | Need spm |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Remote Antenna. Check security and condition of cover. | ✓ | | | | | | | |
| IV. Functional Tests: | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | ✓ | | | | | | | |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | ✓ | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | ✓ | | | | | | | |
| b. Domelight. Lights in both blue and white switch positions. | ✓ | | | | | | | |
| c. Utility Light. Lights in both red and white. | | ✓ | | | | | | M |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | ✓ | | | | | | | |
| e. Spot Light. Install and check operation. | ✓ | | | | | | | |
| f. Exhaust Blower. Check operation. | | | ✓ | | | | | no f |

ENCLOSURE (5)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Low Ammo System Test | | | | | | | | |
| a. Last-Round Switch OFF. Last-round indicator light on, triggers do not work. | ✓ | | | | | | | |
| b. Last-Round Switch ON. Last-round indicator lamp light ON, override switch in up position, triggers work. | ✓ | | | | | | | |
| c. Last-Round Switch OFF. Last-round indicator light OFF, override switch down, triggers work. | ✓ | | | | | | | |
| 4. Weapons Station System: Perform test as prescribed in Section 3. | | | | | | | | |
| a. Manual Elevation. Check operation. | | | ✓ | | | | | no rubber cover |
| b. Deck Clearance. Check clearance of all obstacles. Check all inhibit zones. Weapons electrical trigger will not fire while in inhibit zones. | | | ✓ | | | | | inhibit zones in P |
| 5. Smoke Grenade Launcher Test | | | | | | | | |
| a. Tubes. Check that they are clear of grenades. | ✓ | | | | | | | |
| b. Contacts. Check for 24 volts at eight firing pins inside of tubes on smoke grenade launchers. Turret power switches ON, smoke grenade switch ON, hatch in closed and locked position and grenade firing switch depressed. | ✓ | | | | | | | |
| 6. DAGR Operational Test. Refer to TM 11-5820-1172-13. | | | | | | | | |
| a. Check that DAGR passes self-test. | | ✓ | | | | | | |
| b. Check that DAGR is using vehicle power. | | ✓ | | | | | | |
| c. Check that DAGR is using remote antenna. | | ✓ | | | | | | |
| d. Check functioning of DAGR screen back lighting. | | ✓ | | | | | | |

| TAMC# | NOMEN | NSN | SERIAL# | QTY | SLIC (Complete (Y/N)) | SRA | SR STATUS | PRICE EACH | TOTAL | REMARKS |
|---------|--|------------------|---------|-----|-----------------------|----------|-----------|------------|----------|---------|
| 603457X | 2 - CAP Protective, Dust and Moisture Seal, PN A3207525-1 CAGE 80063 | 5340-01-381-5666 | 523612 | 2 | N | 29916248 | A | \$13.19 | \$26.38 | |
| 603457X | WIRE ROPE ASSEMBLY, Single Leg, PN A3207525-1 CAGE 80063 | 4010-01-381-1581 | 523612 | 2 | N | 29916248 | A | \$9.31 | \$18.62 | |
| 603457X | EXTENSION, Sprocket, PN A322 CAGE 55905 | 4210-01-561-6971 | 523612 | 1 | N | 29916248 | A | \$117.57 | \$117.57 | |
| 603457X | STRAP, Webbing, 18 in. lg, PN B690473 CAGE 19207 | 5340-00-586-7579 | 523612 | 14 | N | 29916248 | A | \$2.89 | \$40.46 | |
| 603457X | STRAP, Webbing, 30 in. lg, PN B690473 CAGE 19204 | 5340-00-755-3742 | 523612 | 15 | N | 29916248 | A | \$1.51 | \$22.65 | |
| 603457X | STRAP, Webbing, 36 in. lg, PN B690473 CAGE 19207 | 5340-00-755-3744 | 523612 | 5 | N | 29916248 | A | \$2.18 | \$10.92 | |
| 603457X | STRAP, Webbing, 42 in. lg, PN B690473 CAGE 19207 | 5340-00-755-3744 | 523612 | 2 | N | 29916248 | A | \$15.41 | \$16.41 | |
| 603457X | STRAP, Webbing, 60 in. lg, PN B690481 CAGE 19207 | 5340-00-339-3768 | 523612 | 1 | N | 29916248 | A | \$6.23 | \$12.46 | |
| 603457X | STRAP, Webbing, 72 in. lg, PN B690484 CAGE 19207 | 5340-00-585-6917 | 523612 | 2 | N | 29916248 | A | \$6.86 | \$41.76 | |
| 603457X | STRAP, Webbing, 78 in. lg, PN B690485 CAGE 19207 | 5340-00-419-2967 | 523612 | 6 | N | 29916248 | A | \$5.84 | \$5.84 | |
| 603457X | STRAP, Webbing, 78 in. lg, PN B690487 CAGE 19207 | 5340-00-694-9512 | 523612 | 2 | N | 29916248 | A | \$6.78 | \$13.56 | |
| 603457X | STRAP, Webbing, 84 in. lg, PN B690536 CAGE 19207 | 5340-00-183-9631 | 523612 | 1 | N | 29916248 | A | \$6.15 | \$6.15 | |
| 603457X | STRAP, Webbing, 88 in. lg, PN B690536 CAGE 19207 | 5340-00-479-3908 | 523612 | 1 | N | 29916248 | A | \$3.09 | \$3.09 | |
| 603457X | STRAP, Webbing, 100 in. lg, PN B690539 CAGE 19207 | 2550-01-442-9686 | 523612 | 2 | N | 29916248 | A | \$202.00 | \$404.00 | |
| 603457X | TRAC SHOE, Vehicular, PN J2394667 CAGE 19207 | 5120-01-352-2064 | 523612 | 1 | N | 29916248 | A | \$6.95 | \$6.95 | |
| 603457X | BATTERY, Nonrechargeable, 1.5 v., C, Calif. for Pelican Heli, PN 1A4 CAGE 80204 | 6135-00-385-7946 | 523612 | 8 | N | 29916248 | A | \$6.31 | \$50.48 | |
| 603457X | BATTERY, Nonrechargeable, 1.5 v., "D", Calif. for Flashlight, PN 1A3 CAGE 80204 | 6135-00-835-7710 | 523612 | 4 | N | 29916248 | A | \$9.00 | \$36.00 | |
| 603457X | EXTENSION, Sprocket, 3/4 in. id, 16 in. lg, PN A1122 CAGE 55719 | 7920-01-595-5355 | 523612 | 1 | N | 29916248 | A | \$1.80 | \$1.80 | |
| 603457X | EXTENSION, Sprocket Wrench, 3/4 in. id, 3 in. lg, PN A123 CAGE 55719 | 5120-01-535-1054 | 523612 | 1 | N | 29916248 | A | \$12.36 | \$12.36 | |
| 603457X | HAMMER, Hand, Sledge, 6 lb wt, 32 in. lg, PN B10740 CAGE 09047 | 5120-01-537-6094 | 523612 | 1 | N | 29916248 | A | \$5.92 | \$5.92 | |
| 603457X | LANP, Incandescent, C-28 filament, 2470V, E-3 1/2 bulb, 1.250 in. lg, PN A16 CAGE 71744 | 5120-00-762-7462 | 523612 | 1 | N | 29916248 | A | \$24.48 | \$24.48 | |
| 603457X | 1 - LANP, Incandescent, 2C-2V filament, 28v, G-6 bulb, 1.488 in. lg, PN A52453-409 CAGE 58556 | 6240-00-153-8075 | 523612 | 1 | N | 29916248 | A | \$1.30 | \$1.30 | |
| 603457X | OLLER, Hand, PN A50477-AS-D3 CAGE 58536 | 6240-00-019-3095 | 523612 | 1 | N | 29916248 | A | \$0.34 | \$0.34 | |
| 603457X | PADLOCK, PN A-59487-18C CAGE 58536 | 4930-02-827-8868 | 523612 | 1 | N | 29916248 | A | \$6.47 | \$6.47 | |
| 603457X | RULE, Machine, PN 5210-00-341-5224 CAGE 80204 | 5340-00-682-1508 | 523612 | 1 | N | 29916248 | A | \$7.83 | \$7.83 | |
| 603457X | 1 - ROLL, Machine And Accessories, PN 5210-00-341-5224 CAGE 80204 | 5120-00-341-5224 | 523612 | 1 | N | 29916248 | A | \$20.36 | \$20.36 | |
| 603457X | 1 - ROLL, Machine And Accessories, PN 5210-00-341-5224 CAGE 80204 | 5140-00-106-5671 | 523612 | 1 | N | 29916248 | A | \$10.64 | \$10.64 | |
| 603457X | 1 - SOLE KICK, Sole Kick, 17 1/2 in. lg, 10 5/8 in. lg, 10 5/8 in. lg, 12 in. | | | | | | | | | |

| TAMCN | NOMEN | NIIN | SERIAL# | QTY | Condition Code | SR# | SR Status | T/P (\$) | REMARKS |
|---------|-------------------|-------------|---------|-----|----------------|----------|-----------|----------|---------|
| E08467K | COLLET, SPECIAL | 01-435-8079 | 523612 | 10 | R | 29921992 | SHT PART | \$41.60 | |
| E08467K | CABLE ASSEMBLY, R | 01-226-2442 | 523612 | 2 | R | 29921992 | SHT PART | \$95.00 | |
| E08467K | CABLE ASSEMBLY, R | 01-301-0894 | 523612 | 2 | R | 29921992 | SHT PART | \$106.28 | |
| E08467K | BRACKET, MOUNTING | 01-456-7985 | 523612 | 4 | R | 29921992 | SHT PART | \$48.36 | |

ENCLOSURE (53)

DATE: 20200413

SERVICE REQUEST: 29940628

SET SERIAL: 522932

TAMN: E08467K NSN: 2350 01-458-7410

DEFECT CODES: S - SERVICABLE U - UNSERVICABLE M - MISSING

MODS VERIFIED: YES/ NO

COMMENTS: SPOUT, CAN FLEXIBLE, QTY1, 00-177-6154, WRENCH, ADJUSTABLE, QTY1, 00-240-1414,

CONDITION CODE: ~~A~~

(b)(3), (b)(6), (b)(7)(c)

DATE: 2020/04/13

ENCLOSURE (51)

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|--|
| MODEL (CIRCLE ONE) <div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">AAVP7A1</div> AAVC7A1 AAVR7A1 | REFERENCES TM 09674A-25&P/4 TM 8F152B-25&P TM 07267B-50 TM 07268B-25&P/2 |
| TAC NO. 3-11-63 | MILES 1427 |
| U.S.M.C. NO. 522932 | HOURS 204 |
| HULL NO. RAM-Y-729 | |
| ENGINE NO. 371877739 | |
| TRANSMISSION NO. A0088E | |
| INSPECTOR'S NAME/RANK/SIGNATURE (b)(3), (b)(6), (b)(7)(c) | DATE INSPECTED 20200413 |
| NOTE: The following inspection sheets are divided into seven columns. The inspector will place a <i>check</i> in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column. | |

ENCLOSURE (51)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes (Para. 8-33) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights (Para. 11-32) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane (Para. 10-14) | | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |
| b. Bow Plane. (Para. 10-17) | ✓ | | | | | | | |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | ✓ | | | | | | | |
| 5. Hull Port Side. Check for damage and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 16-28) | ✓ | | | | | | | |
| 7. Port Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Track. (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | Lowered in sand |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | | | | ✓ | | | | |
| 12. Port Road Wheels and Hubs. (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 13. Port Support Arms. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| 1 2 3 4 5 6 | ✓ | | | | | | | |
| 14. Port Torsion Bars. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 15. Port Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | ✓ | | | | | | | |
| c. No. 3 Shock. | ✓ | | | | | | | |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 16. Port Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

ENCLOSURE (5/1)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Port Dual Support Roller (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Rear Single Support Roller (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 19. Port Slap Guard (Para. 7-10) Check for wear and loose mounting hardware. | | | ✓ | | | | | ① Loose bolt |
| 20. Port Idler Wheel and Hub (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 21. Port Track Tension Adjuster (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | Covered in sand |
| b. Track Adjuster. | | | | | ✓ | | | Rust on cylinder, no tension |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 22. Port Anode (Para. 8-53) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 23. Port Midships Bearing (Para. 9-18) Check for signs of leaks. | ✓ | | | | | | | |
| 24. Drive Shaft (Para. 9-17) Check for signs of damage. | ✓ | | | | | | | |
| 25. Footman Loop (Para.) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Handrails (Para.) Check for weld cracks. | ✓ | | | | | | | |
| 27. Port Cargo Hatch Supports (Para.) | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 28. Fuel Tank Pressure Relief Valve and Outlet Cover (Para.) Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 29. Check fuel filter cap (Para.) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 30. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 31. Bilge Pump Outlets | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 32. Personnel Heater Exhaust Outlet | | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 33. Exterior Fire Extinguisher Pull Handle | | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 34. External Fuel Tank Drain. Check plug for tightness and leaks. | ✓ | | | | | | | |
| 35. Port Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 36. Port Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 37. Fuel Tank Pressure Relief Valve Outlet Cover. Check cover and mounting screws for damage. | ✓ | | | | | | | |
| 38. Port Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate driveshaft to check for free movement of impeller. | ✓ | | | | | | | |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Taillights | | | | | | | | |
| a. Port Taillight. | ✓ | | | | | | | |
| b. Starboard Taillight. | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. Check mounting hardware for tightness. | ✓ | | | | | | | |

ENCLOSURE

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| NOMENCLATURE/LOCATION | | | | | | | | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|---|
| | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | |
| 7. Vision Block and Guard | | | | | | | | |
| a. Vision Block Guard. | ✓ | | | | | | | |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch | | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | ✓ | | | | | | | |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 10. Trailer Receptacle | | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. | ✓ | | | | | | | |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer wheel. | ✓ | | | | | | | |
| c. Inner wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 18. Starboard Midships Bearing. Check for signs of leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 22. Starboard Shock Absorbers. | | | | | | | | |
| a. No. 1 Shock | ✓ | | | | | | | |
| b. No. 2 Shock | ✓ | | | | | | | |
| c. No. 3 Shock | ✓ | | | | | | | |
| d. No. 4 Shock | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 23. Starboard Front Single Support Roller. | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 24. Starboard Dual Support Roller. | | | | | | | | |
| a. Support Wheel Cracks Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 25. Starboard Rear Single Support Roller. | | | | | | | | |
| a. Support Wheel Cracks Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 30. Starboard Final Drive. | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 33. Starboard Bilge Pump Outlets. | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails. | ✓ | | | | | | | |
| 37. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-69a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-72) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 16-73) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-81) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-71) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-70) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-80) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | | | | | | | | |
| a. Hull. | ✓ | | | | | | | |
| b. Ramp. | ✓ | | | | | | | |
| c. Contact Cooler. | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille | | | | | | | | |
| NOTE: Make sure intake grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspirator. Check that valve works properly and inlet screen is clean and not damaged. (Para. 8-18) | ✓ | | | | | | | |
| 5. Radiator Cover and Cap. Check ballastic cover for damage and radiator cap for proper seating. (Para. 8-19) | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | ✓ | | | | | | | |
| 7. Exhaust Grille. (Para. 8-14) | | | | | | | | |
| NOTE Make sure that exhaust grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators | | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | ✓ | | | | | | | |
| 10. Driver's Hatch | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| f. DVE Adapter Assembly. | ✓ | | | | | | | |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. | ✓ | | | | | | | |
| 12. Commander's Hatch | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. | | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes Clamp. | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | ✓ | | | | | | | |
| 15. Overhead Protection Kit (OPK). | | | | | | | | |
| a. OPK Tiles. | ✓ | | | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | ✓ | | | | | | | |
| c. TBAM. | ✓ | | | | | | | |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. PLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| NOTE Make sure intake grille is properly secured in raised position. | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | ✓ | | | | | | | |
| c. TACNAV sensor. | ✓ | | | | | | | |
| 2. Intake Plenum Actuating Cylinder. | | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hoses. | ✓ | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 4. Cooling Fan. | | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |
| h. Drain Tube. | ✓ | | | | | | | |
| 5. Surge Tank. | | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | | | | | | | | |
| a. Ducts, Clamps, and Hoses. | ✓ | | | | | | | |
| b. Drain Tube. | ✓ | | | | | | | |
| 7. Control Linkages. | | | | | | | | |
| a. Brake Linkage. | ✓ | | | | | | | |
| b. Steering Linkage. | ✓ | | | | | | | |
| c. Throttle Linkage. | ✓ | | | | | | | |
| d. Brake Flood Control Valve Linkage. | | | | | | | | |
| NOTE | ✓ | | | | | | | |
| Make sure flood valve spindle moves freely. | | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | ✓ | | | | | | | |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | ✓ | | | | | | | |
| 9. Electrical Wiring and Connections. | | | | | | | | |
| a. Bulk Head Connectors. | ✓ | | | | | | | |
| b. Power Plant Wiring. | ✓ | | | | | | | |
| c. Crew Vent Fan. | ✓ | | | | | | | |
| d. Electrical Bilge Pump. | ✓ | | | | | | | |
| 10. Hydrostatic Steering Disconnect Lever. Check lever for correct operation, damage, and wear. Check for leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| d. Speedometer Adapter/Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | ✓ | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | ✓ | | | | | | | |

ENCLOSURE (51)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | ✓ | | | | | | | |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | ✓ | | | | | | | |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | ✓ | | | | | | | |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock/Contamination. | ✓ | | | | | | | |
| c. Electrical Leads/Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads/Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | ✓ | | | | | | | |
| Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | ✓ | | | | | | | |
| 11. Generator | | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | ✓ | | | | | | | |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | ✓ | | | | | | | |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of safety wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |
| 15. Cold Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | ✓ | | | | | | | |
| d. Dipstick for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | |
| NOTE | | | | | | | | |
| Before inspecting troop compartment, open cargo hatch. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (all). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | |
| a. Aft Upper. | ✓ | | | | | | | |
| b. Aft Center. | ✓ | | | | | | | |
| c. Aft Lower. | ✓ | | | | | | | |
| d. Port Upper. | ✓ | | | | | | | |
| e. Port Lower. | ✓ | | | | | | | |
| f. Smoke Generation. | ✓ | | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | |
| a. Bottle and Tag. | ✓ | | | | | | | Tag (M) |
| b. Control Valve. | ✓ | | | | | | | |
| c. Clamps. | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | ✓ | | | | | | | |
| 6. Air Cleaner Compartment. | | | | | | | | |
| a. Access Door. | ✓ | | | | | | | |
| b. Retaining Brackets. | ✓ | | | | | | | |
| c. Element. | ✓ | | | | | | | |
| d. Compartment. | ✓ | | | | | | | |
| 7. Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | ✓ | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |

ENCLOSURE (34)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | | | | | | | | |
| a. Internal Fuel Tank Drain. | ✓ | | | | | | | |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank. | | | | | | | | |
| a. Electrical Leads. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | ✓ | | | | | | | |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts/Straps. | ✓ | | | | | | | |
| f. Adjusting Rods. | ✓ | | | | | | | |
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | ✓ | | | | | | | |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVE Container. | ✓ | | | | | | | |
| f. Portable Fire Extinguisher Bracket. | ✓ | | | | | | | |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support. | ✓ | | | | | | | |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check cover for tight screws. Check slave output power switch for damage. | ✓ | | | | | | | 4 bolts (M) |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | ✓ | | | | | | | |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates. | | | | | | | | |
| a. Deck Plates (port and starboard). | ✓ | | | | | | | |
| b. Center Deck Plate. | ✓ | | | | | | | |
| c. Contact Cooler Bleeder Valve Access Cover. | ✓ | | | | | | | |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tiedown Rings. | ✓ | | | | | | | |
| NOTE Remove troop compartment deck plates before continuing. | | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramp Cylinder and Cable. | ✓ | | | | | | | |
| 29. Hydraulic Bilge Pump. | | | | | | | | |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump. | | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17 lb). | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal. | ✓ | | | | | | | |
| c. Tag Date. _____ | | ✓ | | | | | | |
| d. Seal. | ✓ | | | | | | | |

ENCLOSURE (54)

[illegible]

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 33. Personnel Heater | | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | ✓ | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 36. Radio Mounts. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| 37. EPLRS Rack | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | ✓ | | | | | | | |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7 lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seal on control head. | | | | | | | | |
| a. Bracket and Mounting Hardware. | ✓ | | | | | | | |
| b. Tag Date. | | ✓ | | | | | | |
| c. Wire Seal. | ✓ | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | ✓ | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | ✓ | | | | | | | |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | | | ✓ | | | | | inop |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | | | | ✓ | | | | |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gages are securely mounted in panel, and that hose connections are tight. | ✓ | | | | | | | |
| 13. Accelerator Pedal. | | | | | | | | |
| a. Mounting Hardware/Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | ✓ | | | | | | | |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel tilt. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | ✓ | | | | | | | |

| NOMENCLATURE, LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Lamp Test/Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | ✓ | | | | | | | |
| d. Panel Lights Brt/Dim Switch. | ✓ | | | | | | | |
| e. Cold Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | | | | | | |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | | | | | | ✓ | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | | | | | | | | |
| NOTE Bar scales and warning lights will be checked during the operational portion of preinduction. | ✓ | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | ✓ | | | | | | | |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | ✓ | | | | | | | |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | ✓ | | | | | | | |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | ✓ | | | | | | | |
| 27. Data Plates. Check for damage. | ✓ | | | | | | | |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MFSS and AFSSS) | | | | | | | | |
| NOTE At this time all fire suppression system bottles are to be pulled and weighed. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | ✓ | | | | | | | |
| d. Seal. | ✓ | | | | | | | |
| 33. Drive Shaft Guards. Check guards for damage and mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle; check operation of the following: | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Horn. | ✓ | | | | | | | |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | | | ✓ | | | | | FWD (1) |
| f. Panel Lights (brt/dim). | ✓ | | | | | | | |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P/4. (See worksheet at the end of this Appendix). | | | | | | | | |
| 3. Vehicle Stall Check: With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | ✓ | | | | | | | |
| b. Transmission. | ✓ | | | | | | | |
| c. Engine. RPM. | ✓ | | | | | | | 2300 RPM |
| d. TACNAV Indicator. Check that system powers and display works. | ✓ | | | | | | | |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | ✓ | | | | | | | |
| b. Service Drive. | ✓ | | | | | | | |
| c. Dimmer Switch. | ✓ | | | | | | | |
| d. Blackout Markers. | ✓ | | | | | | | |
| e. Stop Light. | ✓ | | | | | | | |
| f. Park. | ✓ | | | | | | | |
| g. Searchlight. | ✓ | | | | | | | |
| h. Interior Dome Lights. | ✓ | | | | | | | |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | ✓ | | | | | | | |
| 6. Lamp Test Warning Cancel Switch. Check audio signal with proper comm helmet. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | ✓ | | | | | | | |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | ✓ | | | | | | | |
| 3. Smoke Generation. Check for correct operation. | ✓ | | | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | ✓ | | | | | | | |
| 5. Speedometer. Check for correct operation. | ✓ | | | | | | | |
| 6. Noises. Check for any unusual noises. | ✓ | | | | | | | |
| XL Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | ✓ | | | | | | | |
| 2. Check if hydraulic bilge pumps operation. | ✓ | | | | | | | |
| 3. Check if electric bilge pumps operate. | ✓ | | | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | ✓ | | | | | | | |
| 5. Bow Plane Operation | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | ✓ | | | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | ✓ | | | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | ✓ | | | | | | | |

NOTE

See TM 10004A-25&P/2 for LTI of UGWS Unique Items.
 See TM 07267B-25&P/4 for LTI of AAVR7A1 Unique Items.
 See TM 07268B-25&P/2 for LTI of AAVC7A1 Unique Items.

APPENDIX C

ASSAULT AMPHIBIOUS VEHICLE
UPGUNNED WEAPONS STATION (UGWS), AAVP7A1

LIMITED TECHNICAL INSPECTION

TAC No. 3-11-03 USMC No. 522932 Miles 1427 Hours 299
 Date Inspected 20200413 Inspector

(b)(3), (b)(6), (b)(7)(c)

*See Table C-1 for UGWS Deadline Criteria.

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | ✓ | | | | | | | |
| b. Area around 12 channel slip ring clear of obstructions. | ✓ | | | | | | | |
| 2. 12 Channel Slip Ring. | | | | | | | | |
| a. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| b. Upper portion of 12-channel slip ring rotates freely. | ✓ | | | | | | | |
| c. Manual and electrical weapons station operation. | ✓ | | | | | | | |
| 3. Power Relay Assembly. | | | | | | | | |
| a. Box secure to bottom of basket. | ✓ | | | | | | | |
| b. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| 4. Basket inspection | | | | | | | | |
| a. Seat belt secure, latch working properly, belt in good condition. | ✓ | | | | | | | |
| b. Stowed items do not overhang basket. | ✓ | | | | | | | |
| c. Seat in good condition, locks in all height positions, secure in basket assembly. | ✓ | | | | | | | |
| II. Weapons Station Interior | | | | | | | | |
| 1. Turret Power Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 2. Weapon Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Traverse Switch Assembly | | | | | | | | |
| a. Box cover secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 4. M36E TSS Periscope | | | | | | | | |
| a. Mounting Screws. Check screws for security. Check sight is secure to turret weldment. | ✓ | | | | | | | |
| b. Sight. Check for moisture in window and in mirror. Check condition of glass. | ✓ | | | | | | | |
| c. Sight Eyepieces. Check for moisture, condition of reticles, condition of eye-piece pads, and proper operation. | ✓ | | | | | | | |
| d. Latch Assembly. Check that latch moves freely, and has spring tension. | ✓ | | | | | | | |
| e. Hanger Strap. Check for serviceability. | ✓ | | | | | | | |
| f. Head Assembly. Check nuts on head assembly for tightness. | ✓ | | | | | | | |
| g. Body Assembly. Check mounting hardware for security and that safety wire is present. | ✓ | | | | | | | |
| h. Boresight Knobs - Azimuth and Elevation. Check setting on both knobs and record. Turn each knob, check for smooth movement and shift of sight reticle. Reposition knobs to original settings. | ✓ | | | | | | | |
| i. Sight Power Electrical Connectors. Check that electrical connectors are in good condition. | ✓ | | | | | | | |
| j. Check for cracks, dents, burns and chipped paint on housing. | ✓ | | | | | | | |
| k. Check that valve cap is tight and retaining strap is not broken or missing. | ✓ | | | | | | | |
| l. Check that both knobs on elbow assembly move freely from LO to HI position. | ✓ | | | | | | | |
| m. Check that lamp holder is tight and packing is installed. | ✓ | | | | | | | |
| n. Check that plug or shutter switch is present. If missing, notify supervisor. | ✓ | | | | | | | |
| o. Check that all boresight knobs move freely, and scales can be easily read. | ✓ | | | | | | | |
| p. Check ID plate for damage and if it can be easily read. If plate cannot be read, notify supervisor. | ✓ | | | | | | | |
| q. Check that shutter switch will not move to ON without pushing safety button first. | ✓ | | | | | | | |
| r. Check that valve cap strap is not damaged or missing. | ✓ | | | | | | | |
| s. Check that all screws are tight on mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | ✓ | | | | | | | |
| 6. .50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | ✓ | | | | | | | |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Equilibrator. Check for corrosion, security and adjustment. | ✓ | | | | | | | |
| 8. .50 Caliber Ammo Feed System. | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | ✓ | | | | | | | |
| b. Check security and condition of roller guides. | ✓ | | | | | | | |
| 9. 40mm Ammo Feed System. | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | ✓ | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | ✓ | | | | | | | |
| c. Check anti-feedback lever for condition and security. | ✓ | | | | | | | |
| 10. 40mm Ammo Box Assembly. | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | ✓ | | | | | | | |
| b. Check operation of latches. | ✓ | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | ✓ | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | ✓ | | | | | | | |
| 12. 40mm Mantlet. | | | | | | | | |
| a. Check condition and security. | ✓ | | | | | | | |
| b. Check operation of cover latches. | ✓ | | | | | | | |
| 13. .50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | ✓ | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 15. Elevation Control Assembly. Check for security and condition. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Gunner's Trigger Switch. Check for security and condition. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 17. Linkage. Check for security and condition. | ✓ | | | | | | | |
| 18. Grenade Launcher Inhibit Switch. Check for security and condition. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| 19. Elevation Interrupter Switches. Check for condition and security. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 20. Utility Light. Check that light and electrical connector is secure and in good condition. | ✓ | | | | | | | |
| 21. Communications Box | | | | | | | | |
| a. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | ✓ | | | | | | | |
| 22. Weapons Station. Inspect for damage, security and clarity. | | | | | | | | |
| a. Vision Blocks. Inspect for damage, security and clarity. | ✓ | | | | | | | |
| b. Ring Gear. Inspect for damage and corrosion. Should be clean and no grease. | ✓ | | | | | | | |
| 23. Hatch | | | | | | | | |
| a. Seal, Hatch, Hinges. Inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Hatch Latch Check. It should lock the hatch closed, hatch vertical to turret and hatch horizontally open in three positions (15 degrees, 90 degrees and 175 degrees). | ✓ | | | | | | | |
| c. Hatch Handle. Check security, condition and proper operation. | ✓ | | | | | | | |
| d. Crash Pads. Inspect pads on hatch and weapons station for security and condition. | ✓ | | | | | | | |
| 24. DAGR | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | | ✓ | | | | | | |
| b. Check for security and condition. | | ✓ | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | | ✓ | | | | | | Cap |
| 2. Mount, Spot Light. Inspect condition and security. | ✓ | | | | | | | |
| 3. Smoke Grenade Launchers | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | ✓ | | | | | | | |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | ✓ | | | | | | | |
| c. Rubber Caps. Check sight caps for condition. | ✓ | | | | | | | |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | ✓ | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | ✓ | | | | | | | |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Remote Antenna. Check security and condition of cover. | ✓ | | | | | | | |
| IV. Functional Tests | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | ✓ | | | | | | | |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | ✓ | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | ✓ | | | | | | | |
| b. Domelight. Lights in both blue and white switch positions. | ✓ | | | | | | | |
| c. Utility Light. Lights in both red and white. | ✓ | | | | | | | |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | ✓ | | | | | | | |
| e. Spot Light. Install and check operation. | ✓ | | | | | | | |
| f. Exhaust Blower. Check operation. | ✓ | | | | | | | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Low Ammo System Test | | | | | | | | |
| a. Last-Round Switch OFF. Last-round indicator light on. triggers do not work. | ✓ | | | | | | | |
| b. Last-Round Switch ON. Last-round indicator lamp light ON, override switch in up position, triggers work. | ✓ | | | | | | | |
| c. Last-Round Switch OFF. Last-round indicator light OFF, override switch down, triggers work. | ✓ | | | | | | | |
| 4. Weapons Station System. Perform test as prescribed in Section 3. | | | | | | | | |
| a. Manual Elevation. Check operation. | ✓ | | | | | | | |
| b. Deck Clearance. Check clearance of all obstacles. Check all inhibit zones. Weapons electrical trigger will not fire while in inhibit zones. | ✓ | | | | | | | |
| 5. Smoke Grenade Launcher Test | | | | | | | | |
| a. Tubes. Check that they are clear of grenades. | ✓ | | | | | | | |
| b. Contacts. Check for 24 volts at eight firing pins inside of tubes on smoke grenade launchers. Turret power switches ON, smoke grenade switch ON, hatch in closed and locked position and grenade firing switch depressed. | ✓ | | | | | | | |
| 6. DAGR Operational Test. Refer to TM 11-5820-1172-13 | | | | | | | | |
| a. Check that DAGR passes self-test. | | ✓ | | | | | | |
| b. Check that DAGR is using vehicle power. | | ✓ | | | | | | |
| c. Check that DAGR is using remote antenna. | | ✓ | | | | | | |
| d. Check functioning of DAGR screen back lighting. | | ✓ | | | | | | |

| TAMCN | NOMEN | NIIN | SERIAL# | QTY | Condition Code | SR# | SR Status | T/P (\$) | REMARKS |
|---------|--------------------|-------------|---------|-----|----------------|----------|-----------|----------|---------|
| E08467K | SCREW, MACHINE | 00-984-6211 | 522932 | 4 | R | 29921818 | SHT PART | \$16.56 | |
| E08467K | WASHER, FLAT | 00-014-5850 | 522932 | 4 | R | 29921818 | SHT PART | \$3.96 | |
| E08467K | DETECTOR, POSITION | 00-432-1787 | 522932 | 1 | R | 29921818 | SHT PART | \$214.51 | |
| E08467K | CABLE ASSEMBLY, R | 01-226-2442 | 522932 | 4 | R | 29921818 | SHT PART | \$190.00 | |
| E08467K | CABLE ASSEMBLY, R | 01-301-0834 | 522932 | 4 | R | 29921818 | SHT PART | \$212.56 | |
| E08467K | BRACKET, MOUNTING | 01-456-7985 | 522932 | 4 | R | 29921818 | SHT PART | \$48.36 | |
| E08467K | COLLET, SPECIAL | 01-435-8079 | 522932 | 4 | R | 29921818 | SHT PART | \$16.64 | |
| E08467K | ANTENNA ELEMENT | 01-376-7934 | 522932 | 4 | R | 29921818 | SHT PART | \$194.96 | |

ENCLOSURE (34)

DATE: 20200415

PURPOSE OF LTR: SLT/

RESPONSIBLE UNIT: 3D AAGW

NOT ENCLATURE: A A U P 7 A 1

SERVICE REQUEST: 29876112

SET SERIAL: 523311

TAMN: E08467K NSN: 2350-01-458-7410

[illegible]

DEFECT CODES: S - SERVICABLE U - UNSERVICABLE M - MISSING

SL-3 COMPLETE: YES NO

MODS VERIFIED: YES / NO

LAST PMCS DATE: 2019 1031

COMMENTS:

CONDITION CODE: A

LTIBY PRINT/SIGN

(b)(3), (b)(6), (b)(7)(c)

LTI BY PRINT/SIG

(b)(3), (b)(6), (b)(7)(c)

DATE: 20200418

ENCLOSURE (55)

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|--|
| MODEL (CIRCLE ONE) AAVP7A1 AAVC7A1 AAVR7A1 | REFERENCES TM 09674A-25&P/4 TM 8F152B-25&P TM 07267B-50 TM 07268B-25&P/2 |
| TAC NO. <u>3 HG 04</u> | MILES <u>1763</u> |
| U.S.M.C. NO. <u>523311</u> | HOURS <u>239</u> |
| HULL NO. <u>RAM-Y-109</u> | |
| ENGINE NO. <u>37188252</u> | |
| TRANSMISSION NO. <u>A15238E</u> | |
| INSPECTOR'S NAME/RANK/SIGNATURE (b)(3), (b)(6), (b)(7)(c) | DATE INSPECTED <u>26200415</u> |
| NOTE: The following inspection sheets are divided into seven columns. The inspector will place a <i>check</i> in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column. | |

ENCLOSURE (55)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Track (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | / | | | | | | | |
| b. Track Pads. | / | | | | | | | |
| c. Track Pins. | / | | | | | | | |
| d. Track Wear. | / | | | | | | | |
| e. Track Adjustment. | / | | | | | | | |
| 12. Port Road Wheels and Hubs (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | / | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | / | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | / | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | / | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | / | | | | | | | |
| 13. Port Support Arms. (Para. 7-13) Circle those numbers which are unserviceable. 1 2 3 4 5 6 | / | | | | | | | |
| 14. Port Torsion Bars (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | / | | | | | | | |
| b. Retaining Screws. 1 2 3 4 5 6 | / | | | | | | | |
| 15. Port Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock. | / | | | | | | | |
| b. No. 2 Shock. | / | | | | | | | |
| c. No. 3 Shock. | / | | | | | | | |
| d. No. 4 Shock. | / | | | | | | | |
| e. Mounting Hardware. | / | | | | | | | |
| 16. Port Front Single Support Roller (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | / | | | | | | | |
| b. Hub Oil Leaks. | / | | | | | | | |
| c. Hub Oil Level. | / | | | | | | | |
| d. Mounting Hardware. | / | | | | | | | |

ENCLOSURE (55)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 30. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 31. Bilge Pump Outlets. | ✓ | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 32. Personnel Heater Exhaust Outlet. | ✓ | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 33. Exterior Fire Extinguisher Pull Handle. | ✓ | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 34. External Fuel Tank Drain. Check plug for tightness and leaks. | ✓ | | | | | | | |
| 35. Port Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 36. Port Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 37. Fuel Tank Pressure Relief Valve Outlet Cover. Check cover and mounting screws for damage. | ✓ | | | | | | | |
| 38. Port Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate driveshaft to check for free movement of impeller. | ✓ | | | | | | | |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Taillights. | | | | | | | | |
| a. Port Taillight. | | | | | | ✓ | | lights are Cracked |
| b. Starboard Taillight. | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | / | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | / | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | / | | | | | | | |
| d. Hub Oil Level. | / | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | / | | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | / | | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | / | | | | | | | |
| 22. Starboard Shock Absorbers. | | | | | | | | |
| a. No. 1 Shock | / | | | | | | | |
| b. No. 2 Shock | / | | | | | | | |
| c. No. 3 Shock | / | | | | | | | |
| d. No. 4 Shock | / | | | | | | | |
| e. Mounting Hardware. | / | | | | | | | |
| 23. Starboard Front Single Support Roller. | | | | | | | | |
| a. Support Wheel Cracks/Damage. | / | | | | | | | |
| b. Hub Oil Leaks. | / | | | | | | | |
| c. Hub Oil Level. | / | | | | | | | |
| d. Mounting Hardware. | / | | | | | | | |
| 24. Starboard Dual Support Roller. | | | | | | | | |
| a. Support Wheel Cracks Damage. | / | | | | | | | |
| b. Hub Oil Leaks. | / | | | | | | | |
| c. Hub Oil Level. | / | | | | | | | |
| d. Mounting Hardware. | / | | | | | | | |
| 25. Starboard Rear Single Support Roller. | | | | | | | | |
| a. Support Wheel Cracks Damage. | / | | | | | | | |
| b. Hub Oil Leaks. | / | | | | | | | |
| c. Hub Oil Level. | / | | | | | | | |
| d. Mounting Hardware. | / | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-69a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-72) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 16-73) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-81) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-71) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-70) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-80) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight or damaged plugs. | | | | | | | | |
| a. Hull. | ✓ | | | | | | | |
| b. Ramp. | ✓ | | | | | | | |
| c. Contact Cooler. | | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille | | | | | | | | |
| NOTE Make sure intake grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspiration. Check that valve works properly and filter screen is clean and not damaged. (Para. 8-18) | ✓ | | | | | | | |
| 5. Radiator Cover and Cap. Check ballene cover for damage and radiator cap for proper sealing. (Para. 8-19) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | / | | | | | | | |
| 15. Overhead Protection Kit (OPK). | | | | | | | | |
| a. OPK Tiles. | / | | | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | / | | | | | | | |
| c. TBAM. | / | | | | | | | |
| d. Bosses. | / | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | / | | | | | | | |
| b. Torsion Bar. | / | | | | | | | |
| c. Latches (open and closed). | | | / | | | | | Prt Ftg handle ① m spacers |
| d. Seals. | / | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | / | | | | | | | |
| b. Port Sending Mount. | / | | | | | | | |
| c. Starboard Sending Mount. | / | | | | | | | |
| d. PLRS Antenna Mount. | / | | | | | | | |
| e. DACT Antenna Mount. | / | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | / | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| <p>NOTE Make sure intake grille is properly secured in raised position.</p> | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | / | | | | | | | |
| b. Bow Pod Access Cover. | | / | | | | | | ① 2 Bdr |
| c. TACNAV sensor. | / | | | | | | | |
| 2. Intake Plenum Actuating Cylinder | | | | | | | | |
| a. Cylinder. | / | | | | | | | |
| b. Hydraulic Hoses. | / | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | / | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive | | | | | | | | |
| a. Oil/Oil Level. | / | | | | | | | |
| b. Oil Leaks/Seals. | / | | | | | | | |
| c. Mounting Hardware. | / | | | | | | | |
| d. Speedometer Adapter/Cable. | / | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | / | | | | | | | |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | / | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | / | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | / | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | / | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | / | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris | / | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | / | | | | | | | |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | / | | | | | | | |
| 21. Starboard Final Drive | | | | | | | | |
| a. Oil/Oil Level. | / | | | | | | | |
| b. Oil Leaks/Seals. | / | | | | | | | |
| c. Mounting Hardware. | / | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | / | | | | | | | |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire | / | | | | | | | |
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | / | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Misalign | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|----------|---------|--------|--------|---------|--------|--|
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | / | | | | | | | |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | / | | | | | | | |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | / | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | / | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | / | | | | | | | |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | / | | | | | | | |
| b. Drain Cock/Contamination. | / | | | | | | | |
| c. Electrical Leads/Transducer. | / | | | | | | | |
| d. Mounting Hardware/Air Valve. | / | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | / | | | | | | | |
| b. Mounting Hardware. | / | | | | | | | |
| c. Electrical leads/Connections. | / | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | / | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | / | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | / | | | | / | | | leak |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | ✓ | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | ✓ | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | (M) Bellow wrap |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | ✓ | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | ✓ | | | | | | | |
| 6. Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |

ENCLOSURE (58)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | / | | | | | | | |
| b. Lamp Test/Warning Cancel Switch. | / | | | | | | | |
| c. Horn Button. | / | | | | | | | |
| d. Panel Lights Brt/Dim Switch. | / | | | | | | | |
| e. Cold Start Switch. | / | | | | | | | |
| f. Starter Button. | / | | | | | | | |
| g. Light Switch. | / | | | | | | | |
| h. TACNAV Indicator. | / | | | | | | | |
| i. Tachometer. | / | | | | | | | |
| j. Speedometer. | / | | | | | | | |
| k. Smoke Generation Indicator Light. | / | | | | | | | |
| l. Smoke Generation Switch. | / | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | / | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | / | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | / | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | / | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | / | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | / | | | | | | | |
| s. Ventilation Switch. | / | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | / | | | | | | | |
| NOTE Bar scales and warning lights will be checked during the operational portion of preinduction. | / | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | / | / | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | / | | | | | | | |
| b. Commander's Outlet. | / | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | |
| NOTE Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (all). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | |
| a. Aft Upper. | / | | | | | | | |
| b. Aft Center. | / | | | | | | | |
| c. Aft Lower. | / | | | | | | | |
| d. Port Upper. | / | | | | | | | |
| e. Port Lower. | / | | | | | | | |
| f. Smoke Generation. | | / | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | / | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | |
| a. Bottle and Tag. | / | | | | | | | |
| b. Control Valve. | / | | | | | | | |
| c. Clamps. | / | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | / | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | | / | | | | | | |
| 6. Air Cleaner Compartment. | | | | | | | | |
| a. Access Door. | / | | | | | | | |
| b. Retaining Brackets. | / | | | | | | | |
| c. Element. | / | | | | | | | |
| d. Compartment. | / | | | | | | | |
| 7. Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | / | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | / | | | | | | | |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | / | | | | | | | |

ENCLOSURE (59)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Batteries | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Holddowns. | ✓ | | | | | | | |
| c. Cables and Terminals. | ✓ | | | | | | | |
| d. Battery and Terminal Posts. | ✓ | | | | | | | |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | | | | | | |
| a. Port | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 18. Water Slicer System Components | | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | ✓ | | | | | | | |
| 19. AFSSS Electrical Components | | | | | | | | |
| a. Sensors Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | ✓ | | | | | | | |
| 21. Aft Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 23. Ramp Lock Linkage. Check to see that linkage does not bind. Check for bent or warped linkage rods. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| | | | | | | | | |
| 33. Personnel Heater. | / | | | | | | | |
| a. Mounts. | / | | | | | | | |
| b. Exhaust System and Cover. | / | | | | | | | |
| c. Electrical Wiring and Switches. | / | | | | | | | |
| d. Fuel System. | / | | | | | | | |
| e. Heater Ducts. | / | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | / | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | / | | | | | | | |
| 36. Radio Mounts. | / | | | | | | | |
| a. Check Mounting Hardware. | / | | | | | | | |
| b. Check Radio Mounts. | / | | | | | | | |
| c. Check Radio Cables. | / | | | | | | | |
| 37. EPIRS Rack. | / | | | | | | | |
| a. Check Mounting Hardware. | / | | | | | | | |
| b. Check Radio Mounts. | / | | | | | | | |
| c. Check Radio Cables. | / | | | | | | | |
| VIII. Driver's and Commander's Station | | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | / | | | | | | | |
| b. Final Drive U-Joint. | / | | | | | | | |
| c. Hydraulic Reservoir. | / | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | / | | | | | | | |
| 3. Fire Extinguisher (7 lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seal on control head. | / | | | | | | | |
| a. Bracket and Mounting Hardware. | / | | | | | | | |
| b. Tag Date. | / | | | | | | | |
| c. Wire Seal. | / | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | / | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | / | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | | | | | | | | |
| a. Master Switch. | / | | | | | | | |
| b. Horn. | / | | | | | | | |
| c. Fuel Level Indicator. | / | | | | | | | |
| d. Battery Generator Indicator. | / | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | / | | | | | | | |
| f. Panel Lights (brt/dim). | / | | | | | | | |
| g. Display Panel Warning Lights. | / | | | | | | | |
| h. Vent Switch Low Position. | / | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P/4, (See worksheet at the end of this Appendix). | | | | | | | | |
| 3. Vehicle Stall Check. With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | / | | | | | | | |
| b. Transmission. | / | | | | | | | |
| c. Engine, RPM. | / | | | | | | | 2500 |
| *d. TACNAV Indicator. Check that system powers and display works. | / | | | | | | | |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | / | | | | | | | |
| b. Service Drive. | / | | | | | | | |
| c. Dimmer Switch. | / | | | | | | | |
| d. Blackout Markers. | / | | | | | | | |
| e. Stop Light. | / | | | | | | | |
| f. Park. | / | | | | | | | |
| g. Searchlight. | / | | | | | | | |
| h. Interior Dome Lights. | / | | | | | | | |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | / | | | | | | | |
| 6. Lamp Test Warning Cancel Switch. Check audio signal with proper comm helmet. | / | | | | | | | |

APPENDIX C

ASSAULT AMPHIBIOUS VEHICLE
UPGUNNED WEAPONS STATION (UGWS), AAVP7A1

LIMITED TECHNICAL INSPECTION

TAC No. 34604 USMC No. 523311 Miles 1763 Hours 9.39
 Date Inspected 20200415 Inspector (b)(3), (b)(6), (b)(7)(c)
 (Rank/Signature)

*See Table C-1 for UGWS Deadline Criteria.

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | / | | | | | | | |
| b. Area around 12 channel slip ring clear of obstructions. | / | | | | | | | |
| 2. 12 Channel Slip Ring. | | | | | | | | |
| a. Electrical connectors tight and in good condition. | / | | / | | | | | (M) Fork |
| b. Upper portion of 12-channel slip ring rotates freely. | / | | | | | | | |
| c. Manual and electrical weapons station operation. | / | | | | | | | |
| 3. Power Relay Assembly. | / | | | | | | | |
| a. Box secure to bottom of basket. | / | | | | | | | |
| b. Electrical connectors tight and in good condition. | / | | | | | | | |
| 4. Basket Inspection | / | | | | | | | |
| a. Seat belt secure, latch working properly, belt in good condition. | / | | | | | | | |
| b. Stowed items do not overhang basket. | / | | | | | | | |
| c. Seat in good condition, locks in all height positions, secure in basket assembly. | / | | | | | | | |
| II. Weapons Station Interior | / | | | | | | | |
| 1. Turret Power Control Assembly. | / | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | / | | | | | | | |
| b. Electrical connector tight and in good condition. | / | | | | | | | |
| 2. Weapon Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | / | | | | | | | |
| b. Electrical connector tight and in good condition. | / | | | | | | | |

ENCLOSURE (95)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | / | | | | | | | |
| 6. .50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | / | | | | | | | |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | / | | | | | | | |
| 7. Equilibrator. Check for corrosion, security and adjustment. | / | | | | | | | |
| 8. .50 Caliber Ammo Feed System | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | / | | | | | | | |
| b. Check security and condition of roller guides. | / | | | | | | | |
| 9. 40mm Ammo Feed System | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | / | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | / | | | | | | | |
| c. Check anti-feedback lever for condition and security. | / | | | | | | | |
| 10. 40mm Ammo Box Assembly | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | / | | | | | | | |
| b. Check operation of latches. | / | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | / | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | / | | | | | | | |
| 12. 40mm Mantlet | | | | | | | | |
| a. Check condition and security. | / | | | | | | | |
| b. Check operation of cover latches. | / | | | | | | | |
| 13. .50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | / | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | / | | | | | | | |
| 15. Elevation Control Assembly. Check for security and condition. | / | | | | | | | |

ENCLOSURE (55)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | / | | | | | | | |
| 2. Mount, Spot Light. Inspect condition and security. | / | | | | | | | |
| 3. Smoke Grenade Launchers | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | / | | | | | | | |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | / | | | | | | | |
| c. Rubber Caps. Check sight caps for condition. | / | | | | | | | |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | / | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | / | | | | | | | |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | / | | | | | | | |
| 7. Remote Antenna. Check security and condition of cover. | / | | | | | | | |
| IV. Functional Tests | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | / | | | | | | | |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | / | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | / | | | | | | | |
| b. Domelight. Lights in both blue and white switch positions. | / | | | | | | | |
| c. Utility Light. Lights in both red and white. | / | | | | | | | |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | / | | | | | | | |
| e. Spot Light. Install and check operation. | / | | | | | | | |
| f. Exhaust Blower. Check operation. | / | | | | | | | |

| 523311 | | | | | |
|--------|----------|---------------------|----------|------------|-----------|
| # | NIIN | Nomenclature | Quantity | Unit Price | Ext Price |
| 1 | 11870964 | SHACKLE | 4 | \$36.08 | \$144.32 |
| 2 | 13552064 | BAR,PRY | 1 | \$9.95 | \$9.95 |
| 3 | 2247987 | BRUSH,FILE CLEANER | 1 | \$16.63 | \$16.63 |
| 4 | 2363272 | CHISEL,COLD,HAND | 1 | \$5.05 | \$5.05 |
| 5 | 10758292 | DRIFT PIN,TRACK | 1 | \$113.56 | \$113.56 |
| 6 | 13551899 | DRIVE HEAD,SOCKET W | 1 | \$35.24 | \$35.24 |
| 7 | 2657462 | HAMMER,HAND | 1 | \$24.48 | \$24.48 |
| 8 | 13785361 | HANDLE,EXTENSION,WR | 1 | \$48.31 | \$48.31 |
| 9 | 2532478 | LUBRICATING GUN,HAN | 1 | \$11.15 | \$11.15 |
| 10 | 2432395 | MATTOCK | 1 | \$13.71 | \$13.71 |
| 11 | 2628868 | OILER,HAND | 1 | \$6.96 | \$6.96 |
| 12 | 14297306 | PLIERS,DIAGONAL CUT | 1 | \$11.47 | \$11.47 |
| 13 | 13351318 | RATCHET HEAD,SOCKET | 1 | \$134.05 | \$134.05 |
| 14 | 2348913 | SCREWDRIVER,CROSS T | 1 | \$1.40 | \$1.40 |
| 15 | 13784933 | SOCKET,SOCKET WRENC | 1 | \$31.25 | \$31.25 |
| 16 | 13785543 | SOCKET,SOCKET WRENC | 1 | \$10.26 | \$10.26 |
| 17 | 1776154 | SPOUT,CAN,FLEXIBLE | 1 | \$11.65 | \$11.65 |
| 18 | 2289503 | WRENCH,BOX AND OPEN | 1 | \$2.15 | \$2.15 |
| 19 | 2289507 | WRENCH,BOX AND OPEN | 1 | \$5.15 | \$5.15 |
| 20 | 2289509 | WRENCH,BOX AND OPEN | 1 | \$3.76 | \$3.76 |
| 21 | 2289516 | WRENCH,BOX AND OPEN | 1 | \$17.43 | \$17.43 |
| 22 | 2289513 | WRENCH,BOX AND OPEN | 1 | \$11.25 | \$11.25 |
| 23 | 2278074 | EXTENSION,SOCKET WR | 1 | \$4.57 | \$4.57 |
| 24 | 1897932 | SOCKET,SOCKET WRENC | 1 | \$3.64 | \$3.64 |
| 25 | 1897985 | SOCKET,SOCKET WRENC | 1 | \$4.55 | \$4.55 |
| 26 | 1897935 | SOCKET,SOCKET WRENC | 1 | \$5.67 | \$5.67 |
| 27 | 2405328 | WRENCH,ADJUSTABLE | 1 | \$10.45 | \$10.45 |
| 28 | 2401414 | WRENCH,ADJUSTABLE | 1 | \$65.47 | \$65.47 |
| 29 | 13491383 | WRENCH,BOX | 1 | \$9.50 | \$9.50 |
| 30 | 13375269 | CAN,MILITARY | 2 | \$44.09 | \$88.18 |
| 31 | 893827 | CAN,MILITARY | 1 | \$21.00 | \$21.00 |
| 32 | 9221200 | FIRST AID KIT,UTILI | 1 | \$51.90 | \$51.90 |
| 33 | 13767934 | ANTENNA ELEMENT | 1 | \$48.74 | \$48.74 |
| 34 | 14789090 | COVER,GUN | 1 | \$101.36 | \$101.36 |
| 35 | 2423650 | FLAGSTAFF | 3 | \$4.29 | \$12.87 |
| 36 | 13616921 | EXTINGUISHER,FIRE | 1 | \$129.91 | \$129.91 |
| 37 | 3228959 | ADAPTER,CONNECTOR | 1 | \$39.53 | \$39.53 |
| 38 | 2881511 | ADAPTER,GREASE GUN | 1 | \$11.53 | \$11.53 |
| 39 | 2932336 | AX,SINGLE BIT | 1 | \$34.57 | \$34.57 |
| 40 | 9857846 | BATTERY,NONRECHARGE | 1 | \$6.50 | \$6.50 |
| 41 | 8357210 | BATTERY,NONRECHARGE | 1 | \$9.20 | \$9.20 |
| 42 | 11740968 | BRUSH,WIRE,SCRATCH | 1 | \$4.52 | \$4.52 |
| 43 | 2247055 | CUTTER,BOLT | 1 | \$30.30 | \$30.30 |
| 44 | 7083799 | FIXTURE ASSEMBLY,TR | 1 | \$119.95 | \$119.95 |
| 45 | 2648261 | FLASHLIGHT | 1 | \$10.40 | \$10.40 |

ENCLOSURE (58)

| | | | | | |
|----|----------|---------------------|---|---------|------------|
| 46 | 2657462 | HAMMER,HAND | 1 | \$24.48 | \$24.48 |
| 47 | 1558675 | LAMP,INCANDESCENT | 1 | \$2.03 | \$2.03 |
| 48 | 193093 | LAMP,INCANDESCENT | 1 | \$0.25 | \$0.25 |
| 49 | 2558113 | MEASURE,LIQUID | 1 | \$45.40 | \$45.40 |
| 50 | 6821508 | PADLOCK | 1 | \$7.18 | \$7.18 |
| 51 | 2348912 | SCREWDRIVER,CROSS T | 1 | \$4.46 | \$4.46 |
| 52 | 2376985 | SCREWDRIVER,FLAT TI | 1 | \$8.60 | \$8.60 |
| 53 | 2933336 | SHOVEL,HAND | 1 | \$14.90 | \$14.90 |
| 54 | 13673462 | SCREWDRIVER ATTACHM | 1 | \$3.59 | \$3.59 |
| 55 | 1065671 | ROLL,TOOLS AND ACCE | 1 | \$10.64 | \$10.64 |
| 56 | 2289505 | WRENCH,BOX AND OPEN | 1 | \$4.26 | \$4.26 |
| 57 | 2289506 | WRENCH,BOX AND OPEN | 1 | \$4.79 | \$4.79 |
| 58 | 2289508 | WRENCH,BOX AND OPEN | 1 | \$3.50 | \$3.50 |
| 59 | 2289511 | WRENCH,BOX AND OPEN | 1 | \$5.55 | \$5.55 |
| 60 | 2289514 | WRENCH,BOX AND OPEN | 1 | \$13.28 | \$13.28 |
| 61 | 2431697 | EXTENSION,SOCKET WR | 1 | \$7.70 | \$7.70 |
| 62 | 2437326 | EXTENSION,SOCKET WR | 1 | \$6.72 | \$6.72 |
| 63 | 2306385 | HANDLE,SOCKET WRENC | 1 | \$37.69 | \$37.69 |
| 64 | 1897924 | SOCKET,SOCKET WRENC | 1 | \$4.29 | \$4.29 |
| 65 | 2243154 | WRENCH,BOX | 1 | \$13.79 | \$13.79 |
| 66 | 2370984 | SOCKET,SOCKET WRENC | 1 | \$2.36 | \$2.36 |
| | 66 | | | | \$1,718.95 |

ENCLOSURE (8)

| TAMCN | NOMEN | NIIN | SERIAL# | QTY | Condition Code | SR# | SR Status | T/P (\$) | REMARKS |
|---------|-------------------|-------------|---------|-----|----------------|----------|-----------|------------|---------|
| E08467K | PUMP UNIT BILGE | 01-111-0813 | 523311 | 1 | R | 29876112 | SHT PART | \$7,174.24 | |
| E08467K | WASHER, LOCK | 00-579-0079 | 523311 | 1 | R | 29876112 | SHT PART | \$1.13 | |
| E08467K | GASKET | 00-959-7197 | 523311 | 1 | R | 29876112 | SHT PART | \$4.04 | |
| E08467K | SHELL, ELECTRICAL | 01-254-9253 | 523311 | 1 | R | 29876112 | SHT PART | \$39.17 | |
| E08467K | ADHESIVE | 01-068-2423 | 523311 | 2 | R | 29876112 | SHT PART | \$109.76 | |
| E08467K | SEAL, NONMETALLIC | 00-157-6585 | 523311 | 1 | R | 29876112 | SHT PART | \$439.93 | |
| E08467K | BATTERY, STORAGE | 01-485-1472 | 523311 | 2 | R | 29876112 | SHT PART | \$731.78 | |
| E08467K | CABLE ASSEMBLY, S | 01-449-1701 | 523311 | 1 | R | 29921708 | SHT PART | \$457.14 | |
| E08467K | CABLE ASSEMBLY, S | 01-449-1699 | 523311 | 1 | R | 29921708 | SHT PART | \$335.75 | |
| E08467K | CABLE ASSEMBLY, S | 01-449-3110 | 523311 | 1 | R | 29921708 | SHT PART | \$596.20 | |
| E08467K | WIRING HARNESS | 01-258-9598 | 523311 | 1 | R | 29921708 | SHT PART | \$553.57 | |

ENCLOSURE (55)

ASSAULT AMPHIBIOUS VEHICLE
AAV ☐ P ☐ 7A1 RAM/RS

L NO.

HOISTING WT

RS CONVERSION MO AND YEAR

BUILD STANDARD

LOCATION

IN NO.

USMC NO.

CC02 4-TTW-290: 8/10

DATE: 20200415

SERVICE REQUEST: 29455614

SET SERIAL: 522677

TAMN: E08467K

NSN: 2350-01-458-7410

DEFECT CODES: S - SERVICABLE U - UNSERVICABLE M - MISSING

SL-8 COMPLETE: YES / NO

MODS VERIFIED: YES/NO

LAST PMCS DATE: 2200131

COMMENTS:

CONDITION CODE: F

LTI BY PRINT/SIGN

(b)(3), (b)(6), (b)(7)(c)

LTI BY PRINT/SIGN

(b)(3), (b)(6), (b)(7)(c)

DATE: 20200415

ENCLOSURE (SC)

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|--|--|
| MODEL (CIRCLE ONE) <u>AAVP7A1</u> AAVC7A1 AAVR7A1 | REFERENCES TM 09674A-25&P/4 TM 8F152B-25&P TM 07267B-50 TM 07268B-25&P/2 |
| TAC NO. <u>3HN04</u> | MILES <u>2241</u> |
| U.S.M.C. NO. <u>522677</u> | HOURS <u>425</u> |
| HULL NO. <u>RAM-Y-136</u> | |
| ENGINE NO. <u>37218414</u> | |
| TRANSMISSION NO. <u>A5155E</u> | |
| INSPECTOR'S NAME/RANK/SIGNATURE (b)(3), (b)(6), (b)(7)(c) | DATE INSPECTED <u>70200415</u> |
| <p>The following inspection sheets are entered into other columns. The inspector will place a <i>check</i> in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column.</p> | |

ENCLOSURE (SE)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes. (Para. 8-33) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights. (Para. 11-32) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane. (Para. 10-14) | | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |
| b. Bow Plane. (Para. 10-17) | ✓ | | | | | | | |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | ✓ | | | | | | | |
| 5. Hull Port Side. Check for damage and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 16-28) | | | ✓ | | | | | 3 Bolts |
| 7. Port Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Port Track. (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 11. Port Road Wheels and Hubs. (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 12. Port Support Arms. (Para. 7-13) Circle those numbers which are unserviceable. (1) 2 3 4 5 6 | | | ✓ | | | | | SEAL FAULTY |
| 13. Port Torsion Bars. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. (1) 2 3 4 5 6 | | | ✓ | | | | | LEAKING / LOOSE |
| 14. Port Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | | ✓ | | | | | | (M) |
| c. No. 3 Shock. | | ✓ | | | | | | (M) |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 15. Port Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Port Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 17. Port Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Slap Guard. (Para. 7-10) Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 19. Port Idler Wheel and Hub. (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 20. Port Track Tension Adjuster. (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 21. Port Anode. (Para. 8-54) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 22. Port Midships Bearing. (Para. 9-18) Check for signs of leaks. | ✓ | | | | | | | |
| 23. Drive Shaft. (Para. 9-17) Check for signs of damage. | ✓ | | | | | | | |
| 24. Footman Loop. (Para. 8-50) Check for weld cracks. | ✓ | | | | | | | |
| 25. Port Handrails. (Table 3-1) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Cargo Hatch Supports. (Para. 8-26) | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 27. Fuel Tank Pressure Relief Valve (Para. 12-18) and Outlet Cover (Para. 12-12). Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 28. Check fuel filter cap. (Para. 12-9) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 29. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 30. Bilge Pump Outlets. | | | | | | | | |
| a. Hydraulic Pump Outlet. (Para. 8-47) | ✓ | | | | | | | |
| b. Electric Pump Outlet. (Para. 8-46) | ✓ | | | | | | | |
| 31. Personnel Heater Exhaust Outlet. (Para. 14-14) | | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 32. Exterior Fire Extinguisher Pull Handle. (Para. 15-13) | | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 33. External Fuel Tank Drain. Check plug for tightness and leaks. (Para. 12-18) | ✓ | | | | | | | |
| 34. Port Deflector. (Para. 9-21) Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 35. Port Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 36. Port Propulsion Unit. (Para. 9-20) Check unit for damage and mounting hardware for tightness. Rotate driveshaft to check for free movement of impeller. | ✓ | | | | | | | |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Taillights. | | | | | | | | |
| a. Port Taillight. (Para. 11-53) | ✓ | | | | | | | |
| b. Starboard Taillight. (Para. 11-59) | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. (Para. 11-54) Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. (Para. 8-27) Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. (Para. 8-41) Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. (Para. 8-27) Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. (Para. 8-27) Check mounting hardware for tightness. | ✓ | | | | | | | |

ENCLOSURE (56)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Vision Block and Guard. (Para. 8-30) | | | | | | | | |
| a. Vision Block Guard. | ✓ | | | | | | | |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch. (Para. 8-31) | | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | ✓ | | | | | | | |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. (Para. 9-20) | ✓ | | | | | | | |
| 10. Trailer Receptacle. | | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. (Para. 9-20) | ✓ | | | | | | | |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub. (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer wheel. | ✓ | | | | | | | |
| c. Inner wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster. (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. (Para. 8-54) | ✓ | | | | | | | |
| 18. Starboard Midships Bearing. Check for signs of leaks. (Para. 9-18) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. (Para. 7-12) | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 22. Starboard Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock | | ✓ | | | | | | (2) |
| b. No. 2 Shock | | ✓ | | | | | | (1) |
| c. No. 3 Shock | ✓ | | | | | | | |
| d. No. 4 Shock | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 23. Starboard Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | | | ✓ | | | | | LEAK |
| c. Hub Oil Level. | | | ✓ | | | | | NO OIL |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 24. Starboard Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 25. Starboard Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

ENCLOSURE (56)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. (Para. 7-10) | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gage to measure wear. Mark each unserviceable track shoe. (Para. 7-7) | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. (Para. 7-16) | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 30. Starboard Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | | | ✓ | | | | | LEAK BAD SEAL |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. (Para. 8-44) | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting hardware and damage. (Para. 8-34) | | | ✓ | | | | | ② 3 BOLTS |
| 33. Starboard Bilge Pump Outlets. (Para. 8-46) | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. (Para. 8-26) | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails. | ✓ | | | | | | | |
| 37. Footman Loop. Check for weld cracks. (Para. 8-50) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | | | | | | | | |
| a. Hull. (Para. 8-42) | ✓ | | | | | | | |
| b. Ramp. (Para. 8-27) | ✓ | | | | | | | |
| c. Contact Cooler. (Para. 8-43) | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille. | | | | | | | | |
| NOTE Make sure intake grille is secured properly in raised position. (Para. 8-13) | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspirator. Check that valve works properly and inlet screen is clean and not damaged. (Para. 8-18) | ✓ | | | | | | | |
| 5. Radiator Cover and Cap. Check ballistic cover for damage and radiator cap for proper sealing. (Para. 8-19) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | ✓ | | | | | | | |
| 7. Exhaust Grille. (Para. 8-14) | | | | | | | | |
| NOTE Make sure that exhaust grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators. (Para. 8-16) | | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | ✓ | | | | | | | |
| 10. Driver's Hatch. (Para. 8-21) | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | | ✓ | | | | | | (M) CRASH PAD |
| e. Vision Blocks. | | | | | | ✓ | | 1 BLOCK CRACKED |
| f. DVE Adapter Assembly. | ✓ | | | | | | | |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. (Para. 8-24) | ✓ | | | | | | | |
| 12. Commander's Hatch. (Para. 8-23) | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. (TM 8F152B-25&P/C) | | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes/Clamp. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | ✓ | | | | | | | |
| 15. Overhead Protection Kit (OPK). | | | | | | | | |
| a. OPK Tiles. | ✓ | | | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | | ✓ | | | | | | MISSING BOTH COVERS |
| c. TBAM. | ✓ | | | | | | | |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | | | ✓ | | | | | CENTER HATCH TORSION ASSIST BR04 |
| b. Torsion Bar. | | | ✓ | | | | | I |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. PLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| NOTE Make sure intake grille is properly secured in raised position. | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | ✓ | | | | | | | |
| c. TACNAV sensor. | ✓ | | | | | | | |
| 2. Intake Plenum Actuating Cylinder. | | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hoses. | ✓ | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | ✓ | | | | | | | |

ENCLOSURE (86)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 4. Cooling Fan. | | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |
| h. Drain Tube. | ✓ | | | | | | | |
| 5. Surge Tank. | | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | | | | | | | | |
| a. Ducts, Clamps, and Hoses. | | | ✓ | | | | | TUBE UNINSTALLED |
| b. Drain Tube. | | | ✓ | | | | | |
| 7. Control Linkages. | | | | | | | | |
| a. Brake Linkage. | ✓ | | | | | | | |
| b. Steering Linkage. | ✓ | | | | | | | |
| c. Throttle Linkage. | ✓ | | | | | | | |
| d. Brake Flood Control Valve Linkage. | | | | | | | | |
| NOTE | ✓ | | | | | | | |
| Make sure flood valve spindle moves freely. | | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | ✓ | | | | | | | |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | ✓ | | | | | | | |
| 9. Electrical Wiring and Connections. | | | | | | | | |
| a. Bulk Head Connectors. | ✓ | | | | | | | |
| b. Power Plant Wiring. | ✓ | | | | | | | |
| c. Crew Vent Fan. | ✓ | | | | | | | |
| d. Electrical Bilge Pump. | | | ✓ | | | | | TUBE DISCN FROM OUTLET |
| 10. Hydrostatic Steering Disconnect Lever. Check lever for correct operation, damage, and wear. Check for leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| d. Speedometer Adapter/Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | ✓ | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | | | ✓ | | | | | NEEDS OIL |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | ✓ | | | | | | | |

ENCLOSURE (58)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | | | ✓ | | | | | TUBE DISCON |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | ✓ | | | | | | | |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | ✓ | | | | | | | |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock/Contamination. | ✓ | | | | | | | |
| c. Electrical Leads/Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware/Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads/Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | | | | | | | | |
| a. Turbocharger. | | | ✓ | | | | | NEEDS PM |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | ✓ | | | | | | | |
| 6. Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |

ENCLOSURE (56)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | ✓ | | | | | | | |
| 11. Generator. | | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | ✓ | | | | | | | |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | ✓ | | | | | | | |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of safety wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |
| 15. Cold Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | ✓ | | | | | | | |
| d. Dipstick for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | |
| NOTE Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (aft). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | |
| a. Aft Upper. | ✓ | | | | | | | |
| b. Aft Center. | ✓ | | | | | | | |
| c. Aft Lower. | ✓ | | | | | | | |
| d. Port Upper. | | | ✓ | | | | | 1 PANE BRACKET (M) |
| e. Port Lower. | ✓ | | | | | | | |
| f. Smoke Generation. | | ✓ | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | |
| a. Bottle and Tag. | | | ✓ | | | | | TAG (M) |
| b. Control Valve. | ✓ | | | | | | | |
| c. Clamps. | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | ✓ | | | | | | | |
| 6. Air Cleaner Compartment. | | | | | | | | |
| a. Access Door. | ✓ | | | | | | | |
| b. Retaining Brackets. | ✓ | | | | | | | |
| c. Element. | ✓ | | | | | | | |
| d. Compartment. | ✓ | | | | | | | |
| 7. Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | ✓ | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | | ✓ | | | | | | (M) AFT COVER |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |

ENCLOSURE (56)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | | | | | | | | |
| a. Internal Fuel Tank Drain. | | | ✓ | | | | | ① (LAMPS) |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank. | | | | | | | | |
| a. Electrical Leads. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | ✓ | | | | | | | |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts/Straps. | | ✓ | | | | | | |
| f. Adjusting Rods. | ✓ | | | | | | | |
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | ✓ | | | | | | | |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVE Container. | ✓ | | | | | | | |
| f. Portable Fire Extinguisher Bracket. | ✓ | | | | | | | |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support. | ✓ | | | | | | | |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check cover for tight screws. Check slave output power switch for damage. | | | ✓ | | | | | ① 4 SCREWS |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Batteries. | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Holddowns. | | | ✓ | | | | | BENT / 1 LATCH Ⓢ |
| c. Cables and Terminals. | ✓ | | | | | | | |
| d. Battery and Terminal Posts. | ✓ | | | | | | | |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | | | | | | |
| a. Port | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 18. Water Steer System Components. | | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | ✓ | | | | | | | |
| 19. AFSSS Electrical Components. | | | | | | | | |
| a. Sensors/Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| c. Test AFSSS using the test set (Item 4, Table 11-1) (Para. 11-70) | ✓ | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | | | ✓ | | | | | AFT + TURRET DOME LIGHT Ⓢ CABLE |
| 21. Aft Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 23. Ramp Lock Linkage. Check to see that linkage does not bind. Check for bent or warped linkage rods. | ✓ | | | | | | | |

ENCLOSURE (56)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | ✓ | | | | | | | |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates. | | | | | | | | |
| a. Deck Plates (port and starboard). | ✓ | | | | | | | |
| b. Center Deck Plate. | ✓ | | | | | | | |
| c. Contact Cooler Bleeder Valve Access Cover. | ✓ | | | | | | | |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tiedown Rings. | ✓ | | | | | | | |
| NOTE Remove troop compartment deck plates before continuing. | ✓ | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramp Cylinder and Cable. | ✓ | | | | | | | |
| 29. Hydraulic Bilge Pump. | | | | | | | | |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump. | | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | | | ✓ | | | | | Ⓟ CLAMP |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17 lb). | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal. | ✓ | | | | | | | |
| c. Tag Date. _____ | | | ✓ | | | | | NOT DATED |
| d. Seal. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 33. Personnel Heater. | | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | | | ✓ | | | | | ⑦ MOUNTING |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | | | ✓ | | | | | ⑦ AFT COVER |
| 36. Radio Mounts. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| 37. EPLRS Rack. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | ✓ | | | | | | | |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7 lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seat on control head. | | | | | | | | |
| a. Bracket and Mounting Hardware. | ✓ | | | | | | | |
| b. Tag/Date. | | ✓ | | | | | | |
| c. Wire Seal. | ✓ | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | ✓ | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |

ENCLOSURE (56)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | ✓ | | | | | | | |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | | | ✓ | | | | | DISCON |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | ✓ | | | | | | | |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gages are securely mounted in panel, and that hose connections are tight. | ✓ | | | | | | | |
| 13. Accelerator Pedal. | | | | | | | | |
| a. Mounting Hardware/Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | ✓ | | | | | | | |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel tilt. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Lamp Test/Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | ✓ | | | | | | | |
| d. Panel Lights Brt/Dim Switch. | ✓ | | | | | | | |
| e. Cold Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | | | | | | |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | | | | | | | | |
| NOTE Bar scales and warning lights will be checked during the operational portion of preinduction. | ✓ | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | | | ✓ | | | | | DOES N'T ROTATE FREELY |

ENCLOSURE (52)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | | | ✓ | | | | | (M) CLAMPS |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | | | ✓ | | | | | (M) 2 SCREWS |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | | | ✓ | | | | | (M) CAP |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | | | ✓ | | | | | HANDLE BENT (M) BALL |
| 27. Data Plates. Check for damage. | ✓ | | | | | | | |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | | | ✓ | | | | | SEAT ADJS DOESN'T MOVE |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | | | ✓ | | | | | ↓ |
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MFSS and AFSSS). | | | | | | | | |
| NOTE At this time all fire suppression system bottles are to be pulled and weighed. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | | ✓ | | | | | | |
| d. Seal. | ✓ | | | | | | | |
| 33. Drive Shaft Guards. Check guards for damage and mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | | | | | | | | |
| a. Master Switch. | | | ✓ | | | | | TRACK TURNS OVER W/ MASTER SWITCH ON |
| b. Horn. | ✓ | | | | | | | |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | ✓ | | | | | | | |
| f. Panel Lights (brt/dim). | | | ✓ | | | | | LIGHT DOESN'T TURN ON |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P/4, (See worksheet at the end of this Appendix). | ✓ | | | | | | | |
| 3. Vehicle Stall Check. With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | | | ✓ | | | | | UNABLE TO RUN FULL |
| b. Transmission. | | | ✓ | | | | | TEST DUE TO ELEC. ISSUES |
| c. Engine. RPM. | | | ✓ | | | | | |
| d. TACNAV Indicator. Check that system powers and display works. | | | ✓ | | | | | |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | | | | | | | | |
| b. Service Drive. | | | | | | | | |
| c. Dimmer Switch. | | | | | | | | |
| d. Blackout Markers. | | | | | | | | |
| e. Stop Light. | | | | | | | | |
| f. Park. | | | | | | | | |
| g. Searchlight. | | | | | | | | |
| h. Interior Dome Lights. | | | | | | | | |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | | | | | | | | |
| 6. Lamp Test Warning Cancel Switch. Check audio signal with proper comm helmet. | | | | | | | | |

ENCLOSURE (86)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | | | | | | | | UNABLE TO CHECK |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | | | | | | | | DUE TO ELEC. ISSUES |
| 3. Smoke Generation. Check for correct operation. | | | | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | | | | | | | | |
| 5. Speedometer. Check for correct operation. | | | | | | | | |
| 6. Noises. Check for any unusual noises. | | | | | | | | |
| XI. Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | | | | | | | | |
| 2. Check if hydraulic bilge pumps operation. | | | | | | | | |
| 3. Check if electric bilge pumps operate. | | | | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | | | | | | | | |
| 5. Bow Plane Operation: | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | | | | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | | | | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | | | | | | | | |

NOTE

See TM 10004A-25&P/2 for LTI of UGWS Unique Items.
 See TM 07267B-25&P/4 for LTI of AAVR7A1 Unique Items.
 See TM 07268B-25&P/2 for LTI of AAVC7A1 Unique Items.

Turret Uninstalled
From Vehicle

APPENDIX C

ASSAULT AMPHIBIOUS VEHICLE
UPGUNNED WEAPONS STATION (UGWS) AAVP7A1
LIMITED TECHNICAL INSPECTION

TAC No. 3HN04 USMC No. 522677 Miles 2241 Hours 425
Date Inspected 20200415 Inspector

(b)(3), (b)(6), (b)(7)(c)

*See Table C-1 for UGWS

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | ✓ | | | | | | | |
| b. Area around 12 channel slip ring clear of obstructions. | ✓ | | | | | | | |
| 2. 12 Channel Slip Ring. | | | | | | | | |
| a. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| b. Upper portion of 12-channel slip ring rotates freely. | ✓ | | | | | | | |
| c. Manual and electrical weapons station operation. | ✓ | | | | | | | |
| 3. Power Relay Assembly. | | | | | | | | |
| a. Box secure to bottom of basket. | ✓ | | | | | | | |
| b. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| 4. Basket Inspection. | | | | | | | | |
| a. Seat belt secure, fast working properly belt in good condition. | ✓ | | | | | | | |
| b. Slowed down do not overhang basket. | ✓ | | | | | | | |
| c. Fasten, if unknown, bolts in all holes, no loose or missing bolts. | | | ✓ | | | | | Assist For Seat Broken |
| II. Weapons Section Interior | | | | | | | | |
| 1. Turret Power Control Assembly. | ✓ | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 2. Weapon Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | ✓ | ✓ | | | | | ② 3 Bolts / Loose |
| b. Electrical connectors tight and in good condition. | ✓ | | | | | | | |

ENCLOSURE (5B)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Traverse Switch Assembly | | | | | | | | |
| a. Box cover secure to basket weldment. | | ✓ | ✓ | | | | | Ⓜ All 4 Bolts |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 4. M36E-TSS Periscope | | | | | | | | |
| a. Mounting Screws. Check screws for security. Check sight is secure to turret weldment. | ✓ | | | | | | | |
| b. Sight. Check for moisture in window and in mirror. Check condition of glass. | | | ✓ | | | | | Condensation in Glass |
| c. Sight Eyepieces. Check for moisture, condition of reticles, condition of eye-piece pads, and proper operation. | ✓ | | | | | | | |
| d. Latch Assembly. Check that latch moves freely, and has spring tension. | ✓ | | | | | | | |
| e. Hanger Strap. Check for serviceability. | ✓ | | | | | | | |
| f. Head Assembly. Check nuts on head assembly for tightness. | ✓ | | | | | | | |
| g. Body Assembly. Check mounting hardware for security and that safety wire is present. | ✓ | | | | | | | |
| h. Boresight Knobs - Azimuth and Elevation. Check setting on both knobs and record. Turn each knob, check for smooth movement and shift of sight reticle. Reposition knobs to original settings. | ✓ | | | | | | | |
| i. Sight Power Electrical Connectors. Check that electrical connectors are in good condition. | ✓ | | | | | | | |
| j. Check for cracks, dents, burns and chipped paint on housing. | ✓ | | | | | | | |
| k. Check that valve cap is tight and retaining strap is not broken or missing. | ✓ | | | | | | | |
| l. Check that both knobs on elbow assembly move freely from LO to HI position. | ✓ | | | | | | | |
| m. Check that lamp holder is tight and packing is installed. | ✓ | | | | | | | |
| n. Check that plug or shutter switch is present. If missing, notify supervisor. | ✓ | | | | | | | |
| o. Check that all boresight knobs move freely, and scales can be easily read. | ✓ | | | | | | | |
| p. Check ID plate for damage and if it can be easily read. If plate cannot be read, notify supervisor. | ✓ | | | | | | | |
| q. Check that shutter switch will not move to ON without pushing safety button first. | ✓ | | | | | | | |
| r. Check that valve cap strap is not damaged or missing. | ✓ | | | | | | | |
| s. Check that all screws are tight on mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | ✓ | | | | | | | |
| 6. .50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | ✓ | | | | | | | |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Equilibrator. Check for corrosion, security and adjustment. | ✓ | | | | | | | |
| 8. .50 Caliber Ammo Feed System. | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | ✓ | | | | | | | |
| b. Check security and condition of roller guides. | ✓ | | | | | | | |
| 9. 40mm Ammo Feed System. | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | ✓ | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | ✓ | | | | | | | |
| c. Check anti-feedback lever for condition and security. | ✓ | | | | | | | |
| 10. 40mm Ammo Box Assembly. | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | ✓ | | | | | | | |
| b. Check operation of latches. | ✓ | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | ✓ | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | ✓ | | | | | | | |
| 12. 40mm Mantlet. | | | | | | | | |
| a. Check condition and security. | ✓ | | | | | | | |
| b. Check operation of cover latches. | ✓ | | | | | | | |
| 13. .50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | ✓ | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | | ✓ | | | | | | Ⓜ 2 Boats |
| 15. Elevation Control Assembly. Check for security and condition. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Gunner's Trigger Switch. Check for security and condition. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 17. Linkage. Check for security and condition. | ✓ | | | | | | | |
| 18. Grenade Launcher Inhibit Switch. Check for security and condition. Check that electrical connector is tight and in good condition. | | | | | | ✓ | | (M) WIRES |
| 19. Elevation Interrupter Switches. Check for condition and security. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 20. Utility Light. Check that light and electrical connector is secure and in good condition. | ✓ | | | | | | | |
| 21. Communications Box. | | | | | | | | |
| a. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | ✓ | | | | | | | |
| 22. Weapons Station. Inspect for damage, security and clarity. | | | | | | | | |
| a. Vision Blocks. Inspect for damage, security and clarity. | ✓ | | | | | | | |
| b. Ring Gear. Inspect for damage and corrosion. Should be clean and no grease. | ✓ | | | | | | | |
| 23. Hatch. | | | | | | | | |
| a. Seal, Hatch, Hinges. Inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Hatch Latch Check. It should lock the hatch closed, hatch vertical to turret and hatch horizontally open in three positions (15 degrees, 90 degrees and 175 degrees). | ✓ | | | | | | | |
| c. Hatch Handle. Check security, condition and proper operation. | ✓ | | | | | | | |
| d. Crash Pads. Inspect pads on hatch and weapons station for security and condition. | ✓ | | | | | | | |
| 24. Sight Cover. | | | | | | | | |
| a. Seals, cover, hinges, inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Sight cover handle. Check conditions and proper operation. | ✓ | | | | | | | |
| 25. DAGR. | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | | ✓ | | | | | | |
| b. Check for security and condition. | | ✓ | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior. | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | ✓ | | | | | | | |
| 2. Mount, Spot Light. Inspect condition and security. | ✓ | | | | | | | |
| 3. Smoke Grenade Launchers. | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | ✓ | | | | | | | |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | ✓ | | | | | | | |
| c. Rubber Caps. Check sight caps for condition. | ✓ | | | | | | | |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | ✓ | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | | | ✓ | | | | | UNINSTALLED |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Remote Antenna. Check security and condition of cover. | ✓ | | | | | | | |
| IV. Functional Tests. | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | ✓ | | | | | | | |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | ✓ | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | | | ✓ | | | | | LIGHTS IN OP |
| b. Domelight. Lights in both blue and white switch positions. | ✓ | | | | | | | |
| c. Utility Light. Lights in both red and white. | ✓ | | | | | | | |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | ✓ | | | | | | | |
| e. Spot Light. Install and check operation. | ✓ | | | | | | | |
| f. Exhaust Blower. Check operation. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Low Ammo System Test | | | | | | | | |
| a. Last-Round Switch OFF. Last-round indicator light on, triggers do not work. | | | ✓ | | | | | LIGHTS INOP |
| b. Last-Round Switch ON. Last-round indicator lamp light ON, override switch in up position, triggers work. | | | ✓ | | | | | L |
| c. Last-Round Switch OFF. Last-round indicator light OFF, override switch down, triggers work. | | | ✓ | | | | | |
| 4. Weapons Station System. Perform test as prescribed in Section 3. | | | | | | | | |
| a. Manual Elevation. Check operation. | ✓ | | | | | | | |
| b. Deck Clearance. Check clearance of all obstacles. Check all inhibit zones. Weapons electrical trigger will not fire while in inhibit zones. | ✓ | | | | | | | |
| 5. Smoke Grenade Launcher Test | | | | | | | | |
| a. Tubes. Check that they are clear of grenades. | ✓ | | | | | | | |
| b. Contacts. Check for 24 volts at eight firing pins inside of tubes on smoke grenade launchers. Turret power switches ON, smoke grenade switch ON, hatch in closed and locked position and grenade firing switch depressed. | ✓ | | | | | | | |
| 6. DAGR Operational Test. Refer to TM 11-5820-1172-13. | | | | | | | | |
| a. Check that DAGR passes self-test. | | ✓ | | | | | | |
| b. Check that DAGR is using vehicle power. | | ✓ | | | | | | |
| c. Check that DAGR is using remote antenna. | | ✓ | | | | | | |
| d. Check functioning of DAGR screen back lighting. | | ✓ | | | | | | |

| 522677 | | | | | |
|--------|----------|---------------------|----------|------------|-----------|
| # | NIIN | Nomenclature | Quantity | Unit Price | Ext Price |
| 1 | 433463 | HANDSET | 1 | \$52.52 | \$52.52 |
| 2 | 11870964 | SHACKLE | 2 | \$36.08 | \$72.16 |
| 3 | 2247987 | BRUSH,FILE CLEANER | 1 | \$16.63 | \$16.63 |
| 4 | 2633873 | BRUSH,PAINT | 1 | \$1.56 | \$1.56 |
| 5 | 11740968 | BRUSH,WIRE,SCRATCH | 1 | \$4.52 | \$4.52 |
| 6 | 11955355 | BRUSH,WIRE,SCRATCH | 1 | \$1.80 | \$1.80 |
| 7 | 2363272 | CHISEL,COLD,HAND | 1 | \$5.05 | \$5.05 |
| 8 | 2247055 | CUTTER,BOLT | 1 | \$30.30 | \$30.30 |
| 9 | 13551899 | DRIVE HEAD,SOCKET W | 1 | \$35.24 | \$35.24 |
| 10 | 10635996 | GOGGLES,INDUSTRIAL | 1 | \$17.66 | \$17.66 |
| 11 | 13785361 | HANDLE,EXTENSION,WR | 1 | \$48.31 | \$48.31 |
| 12 | 2630349 | HANDLE,FILE | 1 | \$1.59 | \$1.59 |
| 13 | 193093 | LAMP,INCANDESCENT | 1 | \$0.25 | \$0.25 |
| 14 | 2532478 | LUBRICATING GUN,HAN | 1 | \$11.15 | \$11.15 |
| 15 | 2628868 | OILER,HAND | 1 | \$6.96 | \$6.96 |
| 16 | 6821508 | PADLOCK | 1 | \$7.18 | \$7.18 |
| 17 | 13365636 | PLIERS,SLIP JOINT | 1 | \$14.37 | \$14.37 |
| 18 | 2348912 | SCREWDRIVER,CROSS T | 1 | \$4.46 | \$4.46 |
| 19 | 2228852 | SCREWDRIVER,FLAT TI | 1 | \$3.84 | \$3.84 |
| 20 | 2376985 | SCREWDRIVER,FLAT TI | 1 | \$8.60 | \$8.60 |
| 21 | 13784933 | SOCKET,SOCKET WRENC | 1 | \$31.25 | \$31.25 |
| 22 | 2289503 | WRENCH,BOX AND OPEN | 1 | \$2.15 | \$2.15 |
| 23 | 2289507 | WRENCH,BOX AND OPEN | 1 | \$5.15 | \$5.15 |
| 24 | 2289516 | WRENCH,BOX AND OPEN | 1 | \$17.43 | \$17.43 |
| 25 | 1897924 | SOCKET,SOCKET WRENC | 1 | \$4.29 | \$4.29 |
| 26 | 2355870 | SOCKET,SOCKET WRENC | 1 | \$3.42 | \$3.42 |
| 27 | 1897933 | SOCKET,SOCKET WRENC | 1 | \$7.01 | \$7.01 |
| 28 | 1897934 | SOCKET,SOCKET WRENC | 1 | \$4.62 | \$4.62 |
| 29 | 1897927 | SOCKET,SOCKET WRENC | 1 | \$3.79 | \$3.79 |
| 30 | 1897917 | SOCKET,SOCKET WRENC | 1 | \$6.33 | \$6.33 |
| 31 | 2697971 | UNIVERSAL JOINT,SOC | 1 | \$5.92 | \$5.92 |
| 32 | 2405328 | WRENCH,ADJUSTABLE | 1 | \$10.45 | \$10.45 |
| 33 | 2401414 | WRENCH,ADJUSTABLE | 1 | \$65.47 | \$65.47 |
| 34 | 2243154 | WRENCH,BOX | 1 | \$13.79 | \$13.79 |
| 35 | 14806390 | CABLE ASSEMBLY,SPEC | 1 | \$343.25 | \$343.25 |
| 36 | 14812595 | CAP,ELECTRICAL | 2 | \$20.24 | \$40.48 |
| 37 | 14812598 | CAP,ELECTRICAL | 1 | \$41.40 | \$41.40 |
| 38 | 13375269 | CAN,MILITARY | 1 | \$44.09 | \$44.09 |
| 39 | 893827 | CAN,MILITARY | 2 | \$21.00 | \$42.00 |
| 40 | 9221200 | FIRST AID KIT,UTILI | 1 | \$51.90 | \$51.90 |
| 41 | 13767934 | ANTENNA ELEMENT | 2 | \$48.74 | \$97.48 |
| 42 | 8893494 | BINDER,LOOSE-LEAF | 1 | \$9.73 | \$9.73 |
| 43 | 13616921 | EXTINGUISHER,FIRE | 1 | \$129.91 | \$129.91 |
| 44 | 13552064 | BAR,PRY | 1 | \$9.95 | \$9.95 |
| 45 | 1245275 | CLIP,SPRING TENSION | 1 | \$5.65 | \$5.65 |

ENCLOSURE (86)

| | | | | | |
|----|----------|----------------------|---|----------|------------|
| 46 | 10758292 | DRIFT PIN, TRACK | 1 | \$113.56 | \$113.56 |
| 47 | 13351054 | EXTENSION, SOCKET WR | 1 | \$12.36 | \$12.36 |
| 48 | 14863431 | FLASHLIGHT | 1 | \$97.99 | \$97.99 |
| 49 | 2648261 | FLASHLIGHT | 2 | \$10.40 | \$20.80 |
| 50 | 618546 | HAMMER, HAND | 1 | \$23.24 | \$23.24 |
| 51 | 10711746 | HOIST, WIRE ROPE | 1 | \$269.39 | \$269.39 |
| 52 | 1558675 | LAMP, INCANDESCENT | 1 | \$2.03 | \$2.03 |
| 53 | 13351318 | RATCHET HEAD, SOCKET | 1 | \$134.05 | \$134.05 |
| 54 | 11182879 | REMOVER, SHOCK ABSOR | 1 | \$13.23 | \$13.23 |
| 55 | 2345224 | RULE, MACHINIST'S | 1 | \$18.43 | \$18.43 |
| 56 | 13673462 | SCREWDRIVER ATTACHM | 1 | \$3.59 | \$3.59 |
| 57 | 2289505 | WRENCH, BOX AND OPEN | 1 | \$4.26 | \$4.26 |
| 58 | 2289506 | WRENCH, BOX AND OPEN | 1 | \$4.79 | \$4.79 |
| 59 | 2289508 | WRENCH, BOX AND OPEN | 1 | \$3.50 | \$3.50 |
| 60 | 2289504 | WRENCH, BOX AND OPEN | 1 | \$4.43 | \$4.43 |
| 61 | 2289511 | WRENCH, BOX AND OPEN | 1 | \$5.55 | \$5.55 |
| 62 | 2289512 | WRENCH, BOX AND OPEN | 1 | \$8.05 | \$8.05 |
| 63 | 2289513 | WRENCH, BOX AND OPEN | 1 | \$11.25 | \$11.25 |
| 64 | 2431697 | EXTENSION, SOCKET WR | 1 | \$7.70 | \$7.70 |
| 65 | 2437326 | EXTENSION, SOCKET WR | 1 | \$6.72 | \$6.72 |
| 66 | 2278074 | EXTENSION, SOCKET WR | 1 | \$4.57 | \$4.57 |
| 67 | 2217958 | HANDLE, SOCKET WRENC | 1 | \$11.69 | \$11.69 |
| 68 | 2367590 | HANDLE, SOCKET WRENC | 1 | \$13.29 | \$13.29 |
| 69 | 2306385 | HANDLE, SOCKET WRENC | 1 | \$37.69 | \$37.69 |
| 70 | 2370984 | SOCKET, SOCKET WRENC | 1 | \$2.36 | \$2.36 |
| 71 | 1897985 | SOCKET, SOCKET WRENC | 1 | \$4.55 | \$4.55 |
| 72 | 1897935 | SOCKET, SOCKET WRENC | 1 | \$5.67 | \$5.67 |
| 73 | 1897913 | SOCKET, SOCKET WRENC | 1 | \$3.65 | \$3.65 |
| 74 | 13491383 | WRENCH, BOX | 1 | \$9.50 | \$9.50 |
| 75 | 14806389 | CABLE ASSEMBLY, SPEC | 1 | \$591.56 | \$591.56 |
| 76 | 14810504 | SCREW, MACHINE | 1 | \$0.20 | \$0.20 |
| 77 | 14789090 | COVER, GUN | 1 | \$101.36 | \$101.36 |
| 78 | 1788437 | CASE, FLAG | 1 | \$11.08 | \$11.08 |
| 79 | 2423650 | FLAGSTAFF | 3 | \$4.29 | \$12.87 |
| 80 | 2271405 | FLAG, SIGNAL | 1 | \$3.49 | \$3.49 |
| 81 | 2271406 | FLAG, SIGNAL | 1 | \$3.21 | \$3.21 |
| 82 | 2271511 | FLAG, SIGNAL | 1 | \$3.09 | \$3.09 |
| | 82 | | | | \$2,925.81 |

| TAMCN | NOMEN | NSN | SERIAL# | QTY | Condition Code | SR# | SR Status | T/P (\$) | REMARKS |
|---------|---------------------|-------------|---------|-----|----------------|----------|-----------|------------|---------|
| E08467K | CABLE ASSEMBLY, S | 01-310-0335 | 522677 | 4 | R | 29921734 | SHT PART | \$173.84 | |
| E08467K | SCREW, CAP, HEXAGON | 00-964-0634 | 522677 | 10 | R | 29921734 | SHT PART | \$12.70 | |
| E08467K | WASHER, FLAT | 00-680-6745 | 522677 | 10 | R | 29921734 | SHT PART | \$26.90 | |
| E08467K | WASHER, LOCK | 00-933-8118 | 522677 | 10 | R | 29921734 | SHT PART | \$10.10 | |
| E08467K | NUT, PLAI, HEXAGON | 00-903-5966 | 522677 | 10 | R | 29921734 | SHT PART | \$93.10 | |
| E08467K | PARTS KIT, LINEAR | 01-382-6522 | 522677 | 1 | R | 29734722 | SHT PART | \$544.51 | |
| E08467K | BOLT, MACHINE | 00-637-9675 | 522677 | 2 | R | 29734722 | SHT PART | \$0.74 | |
| E08467K | WASHER, LOCK | 00-974-6623 | 522677 | 1 | R | 29734722 | SHT PART | \$3.94 | |
| E08467K | ARM, ANCHOR, SLIP | 01-418-9898 | 522677 | 1 | R | 29734722 | SHT PART | \$35.47 | |
| E08467K | PACKING, PREFORMED | 01-317-7418 | 522677 | 6 | R | 29734722 | SHT PART | \$3.54 | |
| E08467K | RING, RETAINING | 01-318-6908 | 522677 | 3 | R | 29734722 | SHT PART | \$13.35 | |
| E08467K | SEAL, NONMETALLIC | 01-102-4720 | 522677 | 3 | R | 29734722 | SHT PART | \$32.37 | |
| E08467K | CAP, PROTECTIVE | 01-102-4702 | 522677 | 3 | R | 29734722 | SHT PART | \$24.99 | |
| E08467K | SCREW, CAP, HEXAGON | 00-724-7221 | 522677 | 6 | R | 29734722 | SHT PART | \$2.28 | |
| E08467K | SHOCK ABSORBER | 01-312-4730 | 522677 | 3 | R | 29734722 | SHT PART | \$2,934.48 | |
| E08467K | SCREW, MACHINE | 00-984-5674 | 522677 | 2 | R | 29734722 | SHT PART | \$17.92 | |
| E08467K | HUB CAP, WHEEL | 01-102-4770 | 522677 | 1 | R | 29734722 | SHT PART | \$68.46 | |

ENCLOSURE (56)

Enclosure (1): Limited Technical Inspection, Assault Amphibious Vehicle AAV7A1

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|---|
| MODEL (CIRCLE ONE) <div style="border: 1px solid black; border-radius: 50%; padding: 2px; display: inline-block;">AAVP7A1</div> RAM/RS AAVC7A1 RAM/RS AAVR7A1 RAM/RS | REFERENCES TM 09674A-25&P/4 TM 8F152B-25&P TM 07267C-25&P/2 TM 07268C-25&P/2 |
| TAC NO. 3B110 | MILES 345 |
| U.S.M.C. NO. 522681 | HOURS 67 |
| HULL NO. RAM-5-0040 | |
| ENGINE NO. 37204294 | |
| TRANSMISSION NO. A600E | |
| INSPECTOR'S NAME/RANK/SIGNATURE REFERENCES (b)(3), (b)(6), (b)(7)(c) | DATE INSPECTED 20200914 |
| <p>NOTE: The following inspection sheets are divided into seven columns. The inspector will place a check in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column.</p> | |

Rear Starboard Hull Plug Needs welding - seized
 Engine oil temp pegged out on DDM
 Missing mounting bolt on water plate - planning
 Deck plates missing bolts
 Forward Hydro pump trip
 routing electrical connections per DADR
 Thermal alarm stays in self check

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes. (Para. 8-33) | ✓ | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights. (Para. 11-32) | ✓ | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane. (Para. 10-14) | ✓ | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |
| b. Bow Plane. (Para. 10-17) | ✓ | | | | | | | |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | ✓ | | | | | | | |
| 5. Hull Port Side. Check for damage and bare metal. | ✓ | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 16-28) | ✓ | | | | | | | |
| 7. Port Final Drive. (Para. 7-18) | ✓ | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | ✓ | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Port Track. (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 11. Port Road Wheels and Hubs. (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 12. Port Support Arms. (Para. 7-13) Circle those numbers which are unserviceable. | ✓ | | | | | | | |
| 1 2 3 4 5 6 | | | | | | | | |
| 13. Port Torsion Bars. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 14. Port Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | ✓ | | | | | | | |
| c. No. 3 Shock. | ✓ | | | | | | | |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 15. Port Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Port Dual Support Roller. (Para. 7-15) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 17. Port Rear Single Support Roller. (Para. 7-14) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | Needs to be fixed |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Slap Guard. (Para. 7-10) Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 19. Port Idler Wheel and Hub. (Para. 7-9) | ✓ | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 20. Port Track Tension Adjuster. (Para. 7-8) | ✓ | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 21. Port Anode. (Para. 8-54) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 22. Port Midships Bearing. (Para. 9-18) Check for signs of leaks. | ✓ | | | | | | | |
| 23. Drive Shaft. (Para. 9-17) Check for signs of damage. | ✓ | | | | | | | |
| 24. Footman Loop. (Para. 8-50) Check for weld cracks. | ✓ | | | | | | | |
| 25. Port Handrails. (Table 3-1) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Cargo Hatch Supports. (Para. 8-26) | ✓ | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 27. Fuel Tank Pressure Relief Valve (Para. 12-18) and Outlet Cover (Para. 12-12). Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 28. Check fuel filter cap. (Para. 12-9) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 29. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 30. Bilge Pump Outlets. | ✓ | | | | | | | |
| a. Hydraulic Pump Outlet. (Para. 8-47) | ✓ | | | | | | | |
| b. Electric Pump Outlet. (Para. 8-46) | ✓ | | | | | | | |
| 31. Personnel Heater Exhaust Outlet. (Para. 14-14) | ✓ | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 32. Exterior Fire Extinguisher Pull Handle. (Para. 15-13) | ✓ | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 33. External Fuel Tank Drain. Check plug for tightness and leaks. (Para. 12-18) | ✓ | | | | | | | |
| 34. Port Deflector. (Para. 9-21) Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 35. Port Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 36. Port Propulsion Unit. (Para. 9-20) Check unit for damage and mounting hardware for tightness. Rotate driveshaft to check for free movement of impeller. | ✓ | | | | | | | |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Tail lights. | | | | | | | | |
| a. Port Tail light. (Para. 11-53) | ✓ | | | | | | | |
| b. Starboard Tail light. (Para. 11-59) | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. (Para. 11-54) Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. (Para. 8-27) Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. (Para. 8-41) Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. (Para. 8-27) Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. (Para. 8-27) Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Vision Block and Guard. (Para. 8-30) | ✓ | | | | | | | |
| a. Vision Block Guard. | ✓ | | | | | | | |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch. (Para. 8-31) | ✓ | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | ✓ | | | | | | | |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. (Para. 9-20) | ✓ | | | | | | | |
| 10. Trailer Receptacle. | ✓ | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. (Para. 9-20) | ✓ | | | | | | | |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub. (Para. 7-9) | ✓ | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer wheel. | ✓ | | | | | | | |
| c. Inner wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster. (Para. 7-8) | ✓ | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. (Para. 8-54) | ✓ | | | | | | | |
| 18. Starboard Midships Bearing. Check for signs of leaks. (Para. 9-18) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. (Para. 7-12) | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | ✓ | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | ✓ | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | ✓ | | | | | | |
| d. Hub Oil Level. | ✓ | ✓ | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | ✓ | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | ✓ | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | ✓ | | | | | | |
| 22. Starboard Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock | ✓ | ✓ | | | | | | |
| b. No. 2 Shock | ✓ | ✓ | | | | | | |
| c. No. 3 Shock | ✓ | ✓ | | | | | | |
| d. No. 4 Shock | ✓ | ✓ | | | | | | |
| e. Mounting Hardware. | ✓ | ✓ | | | | | | |
| 23. Starboard Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | ✓ | | | | | | |
| b. Hub Oil Leaks. | ✓ | ✓ | | | | | | |
| c. Hub Oil Level. | ✓ | ✓ | | | | | | |
| d. Mounting Hardware. | ✓ | ✓ | | | | | | |
| 24. Starboard Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | ✓ | | | | | | |
| b. Hub Oil Leaks. | ✓ | ✓ | | | | | | |
| c. Hub Oil Level. | ✓ | ✓ | | | | | | |
| d. Mounting Hardware. | ✓ | ✓ | | | | | | |
| 25. Starboard Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | ✓ | | | | | | |
| b. Hub Oil Leaks. | ✓ | ✓ | | | | | | |
| c. Hub Oil Level. | ✓ | ✓ | | | | | | |
| d. Mounting Hardware. | ✓ | ✓ | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. (Para. 7-10) | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gage to measure wear. Mark each unserviceable track shoe. (Para. 7-7) | ✓ | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. (Para. 7-16) | ✓ | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 30. Starboard Final Drive. (Para. 7-18) | ✓ | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. (Para. 8-44) | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting hardware and damage. (Para. 8-34) | ✓ | | | | | | | |
| 33. Starboard Bilge Pump Outlets. (Para. 8-46) | ✓ | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. (Para. 8-26) | ✓ | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails. | ✓ | | | | | | | |
| 37. Footman Loop. Check for weld cracks. (Para. 8-50) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Pairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | | | | | | | | |
| a. Hull. (Para. 8-42) | ✓ | | | | | | | |
| b. Ramp. (Para. 8-27) | ✓ | | | | | | | |
| c. Contact Cooler. (Para. 8-43) | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille. | | | | | | | | |
| NOTE Make sure intake grille is secured properly in raised position. (Para. 8-13) | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspirator. Check that valve works properly and inlet screen is clean and not damaged. (Para. 8-18) | ✓ | | | | | | | |
| 5. Radiator Cover and Cap. Check ballistic cover for damage and radiator cap for proper sealing. (Para. 8-19) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | ✓ | | | | | | | 1 month still missing |
| 7. Exhaust Grille. (Para. 8-14) | | | | | | | | |
| NOTE Make sure that exhaust grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators. (Para. 8-16) | | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | ✓ | | | | | | | |
| 10. Driver's Hatch. (Para. 8-21) | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| f. DVE Adapter Assembly. | ✓ | | | | | | | |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. (Para. 8-24) | ✓ | | | | | | | |
| 12. Commander's Hatch. (Para. 8-23) | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. (TM 8F152B-25&P/C) | | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes/Clamp. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | ✓ | | | | | | | |
| 15. Overhead Protection Kit (OPK). | | | | | | | | |
| a. OPK Tiles. | ✓ | | | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | ✓ | | | | | | | |
| c. TBAM. | ✓ | | | | | | | |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. PLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| NOTE Make sure intake grille is properly secured in raised position. | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | ✓ | | | | | | | |
| c. TACNAV sensor. | ✓ | | | | | | | |
| 2. Intake Plenum Actuating Cylinder. | | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hoses. | ✓ | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 4. Cooling Fan. | | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |
| h. Drain Tube. | ✓ | | | | | | | |
| 5. Surge Tank. | | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | | | | | | | | |
| a. Ducts, Clamps, and Hoses. | ✓ | | | | | | | |
| b. Drain Tube. | ✓ | | | | | | | |
| 7. Control Linkages. | | | | | | | | |
| a. Brake Linkage. | ✓ | | | | | | | |
| b. Steering Linkage. | ✓ | | | | | | | |
| c. Throttle Linkage. | ✓ | | | | | | | |
| d. Brake Flood Control Valve Linkage. | ✓ | | | | | | | |
| NOTE | | | | | | | | |
| Make sure flood valve spindle moves freely. | | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | ✓ | | | | | | | |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | ✓ | | | | | | | |
| 9. Electrical Wiring and Connections. | | | | | | | | |
| a. Bulk Head Connectors. | ✓ | | | | | | | |
| b. Power Plant Wiring. | ✓ | | | | | | | |
| c. Crew Vent Fan. | ✓ | | | | | | | |
| d. Electrical Bilge Pump. | ✓ | | | | | | | |
| 10. Hydrostatic Steering Disconnect Lever. Check lever for correct operation, damage, and wear. Check for leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| d. Speedometer Adapter/Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | ✓ | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | ✓ | | | | | | | |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | ✓ | | | | | | | |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | ✓ | | | | | | | |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock/Contamination. | ✓ | | | | | | | |
| c. Electrical Leads/Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware/Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads/Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | ✓ | | | | | | | |
| 6. Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | ✓ | | | | | | | |
| 11. Generator. | ✓ | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | ✓ | | | | | | | |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | ✓ | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | ✓ | | | | | | | |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of safety wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |
| 15. Cold Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir. | ✓ | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | ✓ | | | | | | | |
| d. Dipstick for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | |
| NOTE Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (aft). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | |
| a. Aft Upper. | ✓ | | | | | | | |
| b. Aft Center. | ✓ | | | | | | | |
| c. Aft Lower. | ✓ | | | | | | | |
| d. Port Upper. | ✓ | | | | | | | |
| e. Port Lower. | ✓ | | | | | | | |
| f. Smoke Generation. | ✓ | | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | ✓ | | | | | | | |
| a. Bottle and Tag. | ✓ | | | | | | | |
| b. Control Valve. | ✓ | | | | | | | |
| c. Clamps. | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | ✓ | | | | | | | |
| 6. Air Cleaner Compartment. | ✓ | | | | | | | |
| a. Access Door. | ✓ | | | | | | | |
| b. Retaining Brackets. | ✓ | | | | | | | |
| c. Element. | ✓ | | | | | | | |
| d. Compartment. | ✓ | | | | | | | |
| 7. Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | ✓ | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | | | | | | | | |
| a. Internal Fuel Tank Drain. | ✓ | | | | | | | |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank. | | | | | | | | |
| a. Electrical Leads. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | ✓ | | | | | | | |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts/Straps. | ✓ | | | | | | | |
| f. Adjusting Rods. | ✓ | | | | | | | |
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | ✓ | | | | | | | |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVB Container. | ✓ | | | | | | | |
| f. Portable Fire Extinguisher Bracket. | ✓ | | | | | | | |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support. | ✓ | | | | | | | |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check cover for tight screws. Check slave output power switch for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Batteries | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Hold downs. | ✓ | | | | | | | |
| c. Cables and Terminals. | ✓ | | | | | | | |
| d. Battery and Terminal Posts. | ✓ | | | | | | | |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | | | | | | |
| a. Port | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 18. Water Steer System Components | | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | ✓ | | | | | | | |
| 19. AFSSS Electrical Components | | | | | | | | |
| a. Sensors/Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| c. Test AFSSS using the test set (Item 4, Table 11-1) (Para. 11-70) | ✓ | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | ✓ | | | | | | | |
| 21. Aft Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 23. Ramp Lock Linkage. Check to see that linkage does not bind. Check for bent or warped linkage rods. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | ✓ | | | | | | | |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates. | ✓ | | | | | | | |
| a. Deck Plates (port and starboard). | ✓ | | | | | | | missing some bolts |
| b. Center Deck Plate. | ✓ | | | | | | | |
| c. Contact Cooler Bleeder Valve Access Cover. | ✓ | | | | | | | |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tie down Rings. | ✓ | | | | | | | |
| <p align="center">NOTE</p> <p>Remove troop compartment deck plates before continuing.</p> | | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramp Cylinder and Cable | ✓ | | | | | | | |
| 29. Hydraulic Bilge Pump. | | | | | ✓ | | | forward repair or replace |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump. | ✓ | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17 lb). | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal. | ✓ | | | | | | | |
| c. Tag Date. 1-5-17 | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 33. Personnel Heater. | | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | ✓ | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 36. Radio Mounts. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | ✓ | | | | | | | |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7 lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seal on control head. | | | | | | | | |
| a. Bracket and Mounting Hardware. | ✓ | | | | | | | |
| b. Tag/Date. | | | | | | | | |
| c. Wire Seal. | ✓ | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | ✓ | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | ✓ | | | | | | | |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | ✓ | | | | | | | |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | ✓ | | | | | | | |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gages are securely mounted in panel, and that hose connections are tight. | ✓ | | | | | | | |
| 13. Accelerator Pedal. | ✓ | | | | | | | |
| a. Mounting Hardware/Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | ✓ | | | | | | | |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel tilt. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | ✓ | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Lamp Test/Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | ✓ | | | | | | | |
| d. Panel Lights Brt Dim Switch. | ✓ | | | | | | | |
| e. Cold Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | | | | | | |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | ✓ | | | | | | | |
| NOTE Bar scales and warning lights will be checked during the operational portion of pre-induction. | | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | ✓ | | | | | | | |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | ✓ | | | | | | | |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | ✓ | | | | | | | |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | ✓ | | | | | | | |
| 27. Data Plates. Check for damage. | ✓ | | | | | | | |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MFSS and AFSSS). | ✓ | | | | | | | |
| NOTE At this time all fire suppression system bottles are to be pulled and weighed. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | ✓ | | | | | | | |
| d. Seal. | ✓ | | | | | | | |
| 33. Drive Shaft Guards. Check guards for damage and mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Horn. | ✓ | | | | | | | |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | ✓ | | | | | | | |
| f. Panel Lights (brt/dim). | ✓ | | | | | | | |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P/4, (See worksheet at the end of this Appendix). | ✓ | | | | | | | |
| 3. Vehicle Stall Check. With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | ✓ | | | | | | | |
| b. Transmission. | ✓ | | | | | | | |
| c. Engine. RPM. | ✓ | | | | | | | |
| d. TACNAV Indicator. Check that system powers and display works. | ✓ | | | | | | | |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | ✓ | | | | | | | |
| b. Service Drive. | ✓ | | | | | | | |
| c. Dimmer Switch. | ✓ | | | | | | | |
| d. Blackout Markers. | ✓ | | | | | | | |
| e. Stop Light. | ✓ | | | | | | | |
| f. Park. | ✓ | | | | | | | |
| g. Searchlight. | ✓ | | | | | | | |
| h. Interior Dome Lights. | ✓ | | | | | | | |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | ✓ | | | | | | | |
| 6. Lamp Test Warning Cancel Switch. Check audio signal with proper comm helmet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | ✓ | | | | | | | |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | ✓ | | | | | | | |
| 3. Smoke Generation. Check for correct operation. | ✓ | | | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | ✓ | | | | | | | |
| 5. Speedometer. Check for correct operation. | ✓ | | | | | | | |
| 6. Noises. Check for any unusual noises. | ✓ | | | | | | | |
| XI. Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | ✓ | | | | | | | |
| 2. Check if hydraulic bilge pumps operation. | ✓ | | ✓ | | | | | Forward Inop |
| 3. Check if electric bilge pumps operate. | ✓ | | | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | ✓ | | | | | | | |
| 5. Bow Plane Operation. | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | ✓ | | | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | ✓ | | | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | ✓ | | | | | | | |

NOTE

See TM 10004A-25&P/2 for LTI of UGWS Unique Items.

See TM 07267C-25&P/4 for LTI of AAVR7A1 Unique Items.

See TM 07268C-25&P/2 for LTI of AAVC7A1 Unique Items.

Enclosure (2): Limited Technical Inspection, AAV Ungunned Weapons Station (UGWS)

TAC No. _____ USMC No. _____ Miles _____ Hours _____

Date Inspected _____ Inspector _____
(Rank/Signature)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | ✓ | ✓ | | | | | | |
| b. Area around 12- channel slip ring clear of obstructions. | ✓ | ✓ | | | | | | |
| 2. 12 Channel Slip Ring. | | | | | | | | |
| a. Electrical connectors tight and in good condition. | ✓ | ✓ | | | | | | |
| b. Upper portion of 12-channel slip ring rotates freely. | ✓ | ✓ | | | | | | |
| c. Manual and electrical weapons station operation. | ✓ | ✓ | | | | | | |
| 3. Power Relay Assembly. | | | | | | | | |
| a. Box secure to bottom of basket. | ✓ | ✓ | | | | | | |
| b. Electrical connectors tight and in good condition. | ✓ | ✓ | | | | | | |
| 4. Basket Inspection | | | | | | | | |
| a. Seat belt secure, latch working properly, belt in good condition. | ✓ | ✓ | | | | | | |
| b. Stowed items do not overhang basket. | ✓ | ✓ | | | | | | |
| c. Seat in good condition, locks in all height positions, secure in basket assembly. | ✓ | ✓ | | | | | | |
| II. Weapons Station Interior | | | | | | | | |
| 1. Turret Power Control Assembly | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | ✓ | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | ✓ | | | | | | |
| 2. Weapon Control Assembly | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | ✓ | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | ✓ | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactor | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|-------------|---------|---------|--------|--------|---------|--------|--|
| 3. Traverse Switch Assembly. | ✓ | ✓ | | | | | | |
| a. Box cover secure to basket weldment. | ✓ | ✓ | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | ✓ | | | | | | |
| 4. M36E-TSS Periscope. | ✓ | ✓ | | | | | | |
| a. Mounting Screws. Check screws for security. Check sight is secure to turret weldment. | ✓ | ✓ | | | | | | |
| b. Sight. Check for moisture in window and in mirror. Check condition of glass. | ✓ | ✓ | | | | | | |
| c. Sight Eyepieces. Check for moisture, condition of reticles, condition of eye-piece pads, and proper operation. | ✓ | ✓ | | | | | | |
| d. Latch Assembly. Check that latch moves freely, and has spring tension. | ✓ | ✓ | | | | | | |
| e. Hanger Strap. Check for serviceability. | ✓ | ✓ | | | | | | |
| f. Head Assembly. Check nuts on head assembly for tightness. | ✓ | ✓ | | | | | | |
| g. Body Assembly. Check mounting hardware for security and that safety wire is present. | ✓ | ✓ | | | | | | |
| h. Boresight Knobs - Azimuth and Elevation. Check setting on both knobs and record. Turn each knob, check for smooth movement and shift of sight reticle. Reposition knobs to original settings. | ✓ | ✓ | | | | | | |
| i. Sight Power Electrical Connectors. Check that electrical connectors are in good condition. | ✓ | ✓ | | | | | | |
| j. Check for cracks, dents, burns and chipped paint on housing. | ✓ | ✓ | | | | | | |
| k. Check that valve cap is tight and retaining strap is not broken or missing. | ✓ | ✓ | | | | | | |
| l. Check that both knobs on elbow assembly move freely from LO to HI position. | ✓ | ✓ | | | | | | |
| m. Check that lamp holder is tight and packing is installed. | ✓ | ✓ | | | | | | |
| n. Check that plug or shutter switch is present. If missing, notify supervisor. | ✓ | ✓ | | | | | | |
| o. Check that all boresight knobs move freely, and scales can be easily read. | ✓ | ✓ | | | | | | |
| p. Check ID plate for damage and if it can be easily read. If plate cannot be read, notify supervisor. | ✓ | ✓ | | | | | | |
| q. Check that shutter switch will not move to ON without pushing safety button first. | ✓ | ✓ | | | | | | |
| r. Check that valve cap strap is not damaged or missing. | ✓ | ✓ | | | | | | |
| s. Check that all screws are tight on mounting hardware. | ✓ | ✓ | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | ✓ | | | | | | | |
| 6. .50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | ✓ | | | | | | | |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Equilibrator. Check for corrosion, security and adjustment. | ✓ | | | | | | | |
| 8. .50 Caliber Ammo Feed System. | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | ✓ | | | | | | | |
| b. Check security and condition of roller guides. | ✓ | | | | | | | |
| 9. 40mm Ammo Feed System | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | ✓ | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | ✓ | | | | | | | |
| c. Check anti-feedback lever for condition and security. | ✓ | | | | | | | |
| 10. 40mm Ammo Box Assembly | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | ✓ | | | | | | | |
| b. Check operation of latches. | ✓ | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | ✓ | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | ✓ | | | | | | | |
| 12. 40mm Mantlet | | | | | | | | |
| a. Check condition and security. | ✓ | | | | | | | |
| b. Check operation of cover latches. | ✓ | | | | | | | |
| 13. .50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | ✓ | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 15. Elevation Control Assembly. Check for security and condition. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Gunner's Trigger Switch. Check for security and condition. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 17. Linkage. Check for security and condition. | ✓ | | | | | | | |
| 18. Grenade Launcher Inhibit Switch. Check for security and condition. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| 19. Elevation Interrupter Switches. Check for condition and security. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 20. Utility Light. Check that light and electrical connector is secure and in good condition. | ✓ | | | | | | | |
| 21. Communications Box | | | | | | | | |
| a. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | ✓ | | | | | | | |
| 22. Weapons Station. Inspect for damage, security and clarity. | | | | | | | | |
| a. Vision Blocks. Inspect for damage, security and clarity. | ✓ | | | | | | | |
| b. Ring Gear. Inspect for damage and corrosion. Should be clean and no grease. | ✓ | | | | | | | |
| 23. Hatch | | | | | | | | |
| a. Seal, Hatch, Hinges. Inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Hatch Latch Check. It should lock the hatch closed, hatch vertical to turret and hatch horizontally open in three positions (15 degrees, 90 degrees and 175 degrees). | ✓ | | | | | | | |
| c. Hatch Handle. Check security, condition and proper operation. | ✓ | | | | | | | |
| d. Crash Pads. Inspect pads on hatch and weapons station for security and condition. | ✓ | | | | | | | |
| 24. Sight Cover | | | | | | | | |
| a. Seals, cover, hinges, inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Sight cover handle. Check conditions and proper operation. | ✓ | | | | | | | |
| 25. DAGR | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | | | | | | ✓ | | NONE |
| b. Check for security and condition. | | | | | | ✓ | | NONE |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | ✓ | | | | | | | |
| 2. Mount, Spot Light. Inspect condition and security. | ✓ | | | | | | | |
| 3. Smoke Grenade Launchers | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | ✓ | | | | | | | |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | ✓ | | | | | | | |
| c. Rubber Caps. Check sight caps for condition. | ✓ | | | | | | | |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | ✓ | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | ✓ | | | | | | | |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Remote Antenna. Check security and condition of cover. | ✓ | | | | | | | |
| IV. Functional Tests | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | ✓ | | | | | | | |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | ✓ | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | ✓ | | | | | | | |
| b. Dome Light. Lights in both blue and white switch positions. | ✓ | | | | | | | |
| c. Utility Light. Lights in both red and white. | ✓ | | | | | | | |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | | | | | ✓ | | | Stays in self check |
| e. Spot Light. Install and check operation. | ✓ | | | | | | | |
| f. Exhaust Blower. Check operation. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Low Ammo System Test. | | | | | | | | |
| a. Last-Round Switch OFF. Last-round indicator light on, triggers do not work. | ✓ | | | | | | | |
| b. Last-Round Switch ON. Last-round indicator lamp light ON, override switch in up position, triggers work. | ✓ | | | | | | | |
| c. Last-Round Switch OFF. Last-round indicator light OFF, override switch down, triggers work. | ✓ | | | | | | | |
| 4. Weapons Station System. Perform test as prescribed in Section 3. | | | | | | | | |
| a. Manual Elevation. Check operation. | ✓ | | | | | | | |
| b. Deck Clearance. Check clearance of all obstacles. Check all inhibit zones. Weapons electrical trigger will not fire while in inhibit zones. | ✓ | | | | | | | |
| 5. Smoke Grenade Launcher Test. | | | | | | | | |
| a. Tubes. Check that they are clear of grenades. | ✓ | | | | | | | |
| b. Contacts. Check for 24 volts at eight firing pins inside of tubes on smoke grenade launchers. Turret power switches ON, smoke grenade switch ON, hatch in closed and locked position and grenade firing switch depressed. | | | | | | | | |
| 6. DAGR Operational Test. Refer to TM 11-5820-1172-13 | | | | | | | | |
| a. Check that DAGR passes self-test. | | | | | | | | |
| b. Check that DAGR is using vehicle power. | | | | | | | | |
| c. Check that DAGR is using remote antenna. | | | | | | | | |
| d. Check functioning of DAGR screen back lighting. | | | | | | | | |

DATE: 20200415

PURPOSE OF LTI: JLT1

RESPONSIBLE UNIT: 3D AASW

NOMENCLATURE: AAV P7A1

SERVICE REQUEST:

SET SERIAL: 522999

TAMN: E08467K

NSN: 2350-01-458-7410

DEFECT CODES: S - SERVICABLE U - UNSERVICABLE M - MISSING

SL-3 COMPLETE: YES / NO

MODS VERIFIED: YES / NO

LAST PMCS DATE: 20191031

COMMENTS:

CONDITION CODE: A

LTI BY PRINT/SIGN

(b)(3), (b)(6), (b)(7)(c)

LTI BY PRINT/SIGN

(b)(3), (b)(6), (b)(7)(c)

DATE: 2020 04 15

ENCLOSURE (58)

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|--|
| MODEL (CIRCLE ONE) <div style="text-align: center;"> AAVP7A1 AAVC7A1 AAVR7A1 </div> | REFERENCES TM 09674A-25&P/4 TM 8F152B-25&P TM 07267B-50 TM 07268B-25&P/2 |
| TAC NO. 34606 | MILES 834 |
| U.S.M.C. NO. 522999 | HOURS 18 |
| HULL NO. 9567 | |
| ENGINE NO. 37192742 | |
| TRANSMISSION NO. 86171E | |
| INSPECTOR'S NAME/RANK/SIGNATURE (b)(3), (b)(6), (b)(7)(c) | DATE INSPECTED 20200415 |
| NOTE: The following inspection sheets are divided into seven columns. The inspector will place a <i>check</i> in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column. | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes. (Para. 8-33) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights. (Para. 11-32) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane. (Para. 10-14) | | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |
| b. Bow Plane. (Para. 10-17) | | | ✓ | | | | | Needs Paint |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | | | ✓ | | | | | Needs Paint |
| 5. Hull Port Side. Check for damage and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | | | ✓ | | | | | Needs Paint |
| b. Steps. (Para. 16-29) | | ✓ | | | | | | ⊗ Bottom Step |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 16-28) | | | ✓ | ✓ | | | | ⊗ 4 Bolts / Needs Paint |
| 7. Port Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Port Track. (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 11. Port Road Wheels and Hubs. (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | | | ✓ | | | | | Needs PMCS & Paint |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 12. Port Support Arms. (Para. 7-13) Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 13. Port Torsion Bars. (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. 1 2 3 ④ 5 6 | | ✓ | | | | | | No Retaining Screw |
| 14. Port Shock Absorbers. (Para. 7-11) | ✓ | | | | | | | |
| a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | ✓ | | | | | | | |
| c. No. 3 Shock. | ✓ | | | | | | | |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 15. Port Front Single Support Roller. (Para. 7-14) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Port Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 17. Port Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Slap Guard. (Para. 7-10) Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 19. Port Idler Wheel and Hub. (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 20. Port Track Tension Adjuster. (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 21. Port Anode. (Para. 8-54) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 22. Port Midships Bearing. (Para. 9-18) Check for signs of leaks. | ✓ | | | | | | | |
| 23. Drive Shaft. (Para. 9-17) Check for signs of damage. | ✓ | | | | | | | |
| 24. Footman Loop. (Para. 8-50) Check for weld cracks. | ✓ | | | | | | | |
| 25. Port Handrails. (Table 3-1) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Cargo Hatch Supports. (Para. 8-26) | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 27. Fuel Tank Pressure Relief Valve (Para. 12-18) and Outlet Cover (Para. 12-12). Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 28. Check fuel filter cap. (Para. 12-9) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 29. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 30. Bilge Pump Outlets. | | | | | | | | |
| a. Hydraulic Pump Outlet. (Para. 8-47) | ✓ | | | | | | | |
| b. Electric Pump Outlet. (Para. 8-46) | ✓ | | | | | | | |
| 31. Personnel Heater Exhaust Outlet. (Para. 14-14) | | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 32. Exterior Fire Extinguisher Pull Handle. (Para. 15-13) | | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 33. External Fuel Tank Drain. Check plug for tightness and leaks. (Para. 12-18) | ✓ | | | | | | | |
| 34. Port Deflector. (Para. 9-21) Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 35. Port Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 36. Port Propulsion Unit. (Para. 9-20) Check unit for damage and mounting hardware for tightness. Rotate driveshaft to check for free movement of impeller. | ✓ | | | | | | | |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Taillights. | | | | | | | | |
| a. Port Taillight. (Para. 11-53) | ✓ | | | | | | | |
| b. Starboard Taillight. (Para. 11-59) | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. (Para. 11-54) Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. (Para. 8-27) Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. (Para. 8-41) Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. (Para. 8-27) Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. (Para. 8-27) Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Vision Block and Guard. (Para. 8-30) | | | | | | | | |
| a. Vision Block Guard. | | | | | | ✓ | | Cover Panel Bent |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch. (Para. 8-31) | | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | ✓ | | | | | | | |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. (Para. 9-20) | ✓ | | | | | | | |
| 10. Trailer Receptacle. | | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. (Para. 9-20) | ✓ | | | | | | | |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub. (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer wheel. | ✓ | | | | | | | |
| c. Inner wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster. (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. (Para. 8-54) | ✓ | | | | | | | |
| 18. Starboard Midships Bearing. Check for signs of leaks. (Para. 9-18) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. (Para. 7-12) | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | | | ✓ | | | | | Needs PMCS & Paint |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 22. Starboard Shock Absorbers. (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock | ✓ | | | | | | | |
| b. No. 2 Shock | ✓ | | | | | | | |
| c. No. 3 Shock | ✓ | | | | | | | |
| d. No. 4 Shock | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 23. Starboard Front Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 24. Starboard Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 25. Starboard Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | | | ✓ | | | | | Needs Oil |
| d. Mounting Hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|---|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. (Para. 7-10) | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gage to measure wear. Mark each unserviceable track shoe. (Para. 7-7) | | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. (Para. 7-16) | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 30. Starboard Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. (Para. 8-44) | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting hardware and damage. (Para. 8-34) | ✓ | | | | | | | |
| 33. Starboard Bilge Pump Outlets. (Para. 8-46) | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. (Para. 8-26) | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails. | ✓ | | | | | | | |
| 37. Footman Loop. Check for weld cracks. (Para. 8-50) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | ✓ | | | | | | | |
| a. Hull. (Para. 8-42) | ✓ | | | | | | | |
| b. Ramp. (Para. 8-27) | ✓ | | | | | | | |
| c. Contact Cooler. (Para. 8-43) | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille. | | | | | | | | |
| NOTE Make sure intake grille is secured properly in raised position. (Para. 8-13) | | | ✓ | | | | | Needs Paint |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspirator. Check that valve works properly and inlet screen is clean and not damaged. (Para. 8-18) | ✓ | | ✓ | | | | | Needs Paint |
| 5. Radiator Cover and Cap. Check ballistic cover for damage and radiator cap for proper sealing. (Para. 8-19) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | | ✓ | | | | | | All Mounting Bolts |
| 7. Exhaust Grille. (Para. 8-14) | | | | | | | | |
| NOTE Make sure that exhaust grille is secured properly in raised position. | | | ✓ | | | | | Needs Paint |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators. (Para. 8-16) | | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | ✓ | | | | | | | |
| 10. Driver's Hatch. (Para. 8-21) | | | ✓ | | | | | Needs Paint |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| f. DVE Adapter Assembly. | ✓ | | | | | | | |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. (Para. 8-24) | ✓ | | | | | | | |
| 12. Commander's Hatch. (Para. 8-23) | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. (TM 8F152B-25&P/C) | | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes/Clamp. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | ✓ | | | | | | | |
| 15. Overhead Protection Kit (OPK). | | | | | | | | |
| a. OPK Tiles. | ✓ | | | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | ✓ | | | | | | | |
| c. TBAM. | ✓ | | | | | | | |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. PLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| NOTE Make sure intake grille is properly secured in raised position. | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | ✓ | | | | | | | |
| c. TACNAV sensor. | ✓ | | | | | | | |
| 2. Intake Plenum Actuating Cylinder. | | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hoses. | ✓ | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 4. Cooling Fan. | | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |
| h. Drain Tube. | ✓ | | | | | | | |
| 5. Surge Tank. | | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | | | | | | | | |
| a. Ducts, Clamps, and Hoses. | ✓ | | | | | | | |
| b. Drain Tube. | | | ✓ | | | | | Uninstalled |
| 7. Control Linkages. | | | | | | | | |
| a. Brake Linkage. | | | ✓ | | | | | Uninstalled |
| b. Steering Linkage. | | | ✓ | | | | | Uninstalled |
| c. Throttle Linkage. | | | ✓ | | | | | Uninstalled |
| d. Brake Flood Control Valve Linkage. | | | ✓ | | | | | Uninstalled |
| NOTE Make sure flood valve spindle moves freely. | | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | | | ✓ | | | | | Uninstalled |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | | | ✓ | | | | | Uninstalled |
| 9. Electrical Wiring and Connections. | | | | | | | | |
| a. Bulk Head Connectors. | | | ✓ | | | | | Uninstalled |
| b. Power Plant Wiring. | | | ✓ | | | | | Uninstalled |
| c. Crew Vent Fan. | | | | | | ✓ | | (I) |
| d. Electrical Bilge Pump. | ✓ | | | | | | | |
| 10. Hydrostatic Steering Disconnect Lever. Check lever for correct operation, damage, and wear. Check for leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ⊗ | | ✓ | | | | | Ⓜ Yolk Retaining Bolts |
| d. Speedometer Adapter/Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | | | ✓ | | | | | Uninstalled |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | | | | ✓ | | | | Leak - every 6 Seconds Small one. Left Side |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | | | ✓ | | | | | Uninstalled |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | | | ✓ | | | | | Ⓜ 2 Retaining Bolts For Yolk |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | | | ✓ | | | | | Uninstalled |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | | | ✓ | | | | | Uninstalled |
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | | | ✓ | | | | | Tube Disconnected |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | | | | | | ✓ | | ① |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | | | ✓ | | | | | Uninstalled |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock/Contamination. | ✓ | | | | | | | |
| c. Electrical Leads/Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware/Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads/Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | ✓ | | | | | | | |
| 6. Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | ✓ | | | | | | | |
| 11. Generator. | | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | ✓ | | | | | | | |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | ✓ | | | | | | | |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of safety wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |
| 15. Cold Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | ✓ | | | | | | | |
| d. Dipstick for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | |
| NOTE Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (aft). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | |
| a. Aft Upper. | ✓ | | | | | | | |
| b. Aft Center. | | | ✓ | | | | | Ⓜ Clamps |
| c. Aft Lower. | ✓ | | | | | | | |
| d. Port Upper. | ✓ | | | | | | | |
| e. Port Lower. | | | ✓ | | | | | Ⓜ Clamps |
| f. Smoke Generation. | ✓ | | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | |
| a. Bottle and Tag. | ✓ | | | | | | | |
| b. Control Valve. | ✓ | | | | | | | |
| c. Clamps. | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | ✓ | | | | | | | |
| 6. Air Cleaner Compartment. | | | | | | | | |
| a. Access Door. | ✓ | | | | | | | |
| b. Retaining Brackets. | ✓ | | | | | | | |
| c. Element. | ✓ | | | | | | | |
| d. Compartment. | ✓ | | | | | | | |
| 7. Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | ✓ | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | | | | | | | | |
| a. Internal Fuel Tank Drain. | | | ✓ | | | | | Leaks Fuel |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank. | | | | | | | | |
| a. Electrical Leads. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | | | ✓ | | | | | Cap Loose |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts/Straps. | | ✓ | | | | | | No Seat Belts |
| f. Adjusting Rods. | | ✓ | | | | | | Ⓜ 3 |
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | ✓ | | | | | | | |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVE Container. | ✓ | | | | | | | |
| f. Portable Fire Extinguisher Bracket. | | | ✓ | | | | | Clamp Ⓜ |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support. | | | ✓ | | | | | Uninstalled |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check cover for tight screws. Check slave output power switch for damage. | | ✓ | | | | | | Ⓜ 3 Screws |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Batteries. | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Holddowns. | | ✓ | ✓ | | | | | No Holddowns |
| c. Cables and Terminals. | | | | ✓ | | | | Cables Loose |
| d. Battery and Terminal Posts. | | | ✓ | | | | | Needs Gel |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | Ⓢ 1 Locking Bracket |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | | | | | | |
| a. Port | | ✓ | | | | | | Ⓢ Hardware |
| b. Starboard. | ✓ | | | | | | | |
| 18. Water Steer System Components. | ✓ | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | ✓ | | | | | | | |
| 19. AFSSS Electrical Components. | | | | | | | | |
| a. Sensors/Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| c. Test AFSSS using the test set (Item 4, Table 11-1) (Para. 11-70) | ✓ | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | | | ✓ | | | | | Rear Dome Light Undugged |
| 21. Aft Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 23. Ramp Lock Linkage. Check to see that linkage does not bind. Check for bent or warped linkage rods. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | ✓ | | | | | | | |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates. | | | | | | | | |
| a. Deck Plates (port and starboard). | ✓ | | | | | | | |
| b. Center Deck Plate. | ✓ | | | | | | | |
| c. Contact Cooler Bleeder Valve Access Cover. | ✓ | | | | | | | |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tiedown Rings. | ✓ | | | | | | | |
| NOTE Remove troop compartment deck plates before continuing. | | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramp Cylinder and Cable. | ✓ | | | | | | | |
| 29. Hydraulic Bilge Pump. | | | | | | | | |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump. | | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17 lb). | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal. | ✓ | | | | | | | |
| c. Tag Date. _____ | ✓ | | | | | | | |
| d. Seal. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 33. Personnel Heater. | | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | ✓ | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 36. Radio Mounts. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| 37. EPLRS Rack. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | ✓ | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | ✓ | | | | | | | |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7 lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seat on control head. | | | | | | | | |
| a. Bracket and Mounting Hardware. | ✓ | | | | | | | |
| b. Tag Date. | ✓ | | | | | | | 20190814 |
| c. Wire Seal. | ✓ | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | ✓ | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | | | ✓ | | | | | Seized |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | | | ✓ | | | | | Not Connected |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | | ✓ | | | | | | Ⓜ Mounting Hardware |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gages are securely mounted in panel, and that hose connections are tight. | ✓ | | | | | | | |
| 13. Accelerator Pedal. | | | | | | | | |
| a. Mounting Hardware/Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | | | ✓ | | | | | Disconnected |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel tilt. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | | ✓ | ✓ | | | | | Needs Tightening |

Ⓜ 1 Mounting Screw

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Lamp Test/Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | ✓ | | | | | | | |
| d. Panel Lights Brt/Dim Switch. | ✓ | | | | | | | |
| e. Cold Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | | | | | | |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | ✓ | | | | | | | |
| NOTE Bar scales and warning lights will be checked during the operational portion of preinduction. | | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | ✓ | | | | | | | |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | ✓ | ✓ | | | | | | All Screws |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | ✓ | | | | | | | |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | ✓ | | | | | | | |
| 27. Data Plates. Check for damage. | ✓ | | | | | | | |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MFSS and AFSSS). | | | | | | | | |
| NOTE At this time all fire suppression system bottles are to be pulled and weighed. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | ✓ | | | | | | | |
| d. Seal. | ✓ | | | | | | | |
| 33. Drive Shaft Guards. Check guards for damage and mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Horn. | ✓ | | | | | | | |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | ✓ | | | | | | | |
| f. Panel Lights (brt/dim). | ✓ | | | | | | | |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P/4, (See worksheet at the end of this Appendix). | | | | | | | | |
| 3. Vehicle Stall Check. With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | | | ✓ | | | | | Pack Not Installed |
| b. Transmission. | | | ✓ | | | | | ⊥ |
| c. Engine, RPM. | | | ✓ | | | | | |
| d. TACNAV Indicator. Check that system powers and display works. | ✓ | | | | | | | |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | | | ✓ | | | | | Power Switches |
| b. Service Drive. | | | ✓ | | | | | Ⓡ |
| c. Dimmer Switch. | | | ✓ | | | | | Ⓡ |
| d. Blackout Markers. | | | ✓ | | | | | Ⓡ |
| e. Stop Light. | | | ✓ | | | | | Ⓡ |
| f. Park. | | | ✓ | | | | | Ⓡ |
| g. Searchlight. | | | ✓ | | | | | Ⓡ |
| h. Interior Dome Lights. | | | ✓ | | | | | Ⓡ |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | | | ✓ | | | | | |
| 6. Lamp Test, Warning Cancel Switch. Check audio signal with proper comm helmet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | | | | | | | | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | |
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | | | ✓ | | | | | Pac 11 Not Installed |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | | | ✓ | | | | | |
| 3. Smoke Generation. Check for correct operation. | | | ✓ | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | | | ✓ | | | | | |
| 5. Speedometer. Check for correct operation. | | | ✓ | | | | | |
| 6. Noises. Check for any unusual noises. | | | ✓ | | | | | |
| XI. Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | | | ✓ | | | | | |
| 2. Check if hydraulic bilge pumps operation. | | | ✓ | | | | | |
| 3. Check if electric bilge pumps operate. | | | ✓ | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | | | ✓ | | | | | |
| 5. Bow Plane Operation. | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | | | ✓ | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | | | ✓ | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | | | ✓ | | | | | |

NOTE

See TM 10004A-25&P/2 for LTI of UGWS Unique Items.
 See TM 07267B-25&P/4 for LTI of AAVR7A1 Unique Items.
 See TM 07268B-25&P/2 for LTI of AAVC7A1 Unique Items.

APPENDIX C

ASSAULT AMPHIBIOUS VEHICLE
UPGUNNED WEAPONS STATION (UGWS), AAVP7A1

LIMITED TECHNICAL INSPECTION

TAC No. 3HG06 USMC No. 522999 Miles 834 Hours .18
 Date Inspected 20200415 Inspector _____

(b)(3), (b)(6), (b)(7)(c)

*See Table C-1 for UGWS Deamie Criteria.

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | ✓ | | | | | | | |
| b. Area around 12 channel slip ring clear of obstructions. | ✓ | | | | | | | |
| 2. 12 Channel Slip Ring. | | | | | | | | |
| a. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| b. Upper portion of 12-channel slip ring rotates freely. | ✓ | | | | | | | |
| c. Manual and electrical weapons station operation. | | | ✓ | | | | | UNINSTALLED |
| 3. Power Relay Assembly. | | | | | | | | |
| a. Box secure to bottom of basket. | ✓ | | ✓ | | | | | (M) 2 bolts |
| b. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| 4. Basket inspection | | | | | | | | |
| a. Seat belt secure, latch working properly, belt in good condition. | | | ✓ | | | | | latch is seized |
| b. Stowed items do not overhang basket. | ✓ | | | | | | | |
| c. Seat in good condition, locks in all height positions, secure in basket assembly. | ✓ | | | | | | | |
| II. Weapons Station Interior | | | | | | | | |
| 1. Turret Power Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 2. Weapon Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |

ENCLOSURE (58)
C-1

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Traverse Switch Assembly. | | | | | | | | |
| a. Box cover secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 4. M36E-TSS Periscope. | | | | | | | | |
| a. Mounting Screws. Check screws for security. Check sight is secure to turret weldment. | ✓ | | | | | | | unserviceable |
| b. Sight. Check for moisture in window and in mirror. Check condition of glass. | ✓ | | | | | | | |
| c. Sight Eyepieces. Check for moisture, condition of reticles, condition of eye-piece pads, and proper operation. | ✓ | | | | | | | |
| d. Latch Assembly. Check that latch moves freely, and has spring tension. | ✓ | | | | | | | |
| e. Hanger Strap. Check for serviceability. | ✓ | | | | | | | |
| f. Head Assembly. Check nuts on head assembly for tightness. | | | ✓ | | | | | missing one nut |
| g. Body Assembly. Check mounting hardware for security and that safety wire is present. | ✓ | | | | | | | |
| h. Boresight Knobs - Azimuth and Elevation. Check setting on both knobs and record. Turn each knob, check for smooth movement and shift of sight reticle. Reposition knobs to original settings. | ✓ | | | | | | | |
| i. Sight Power Electrical Connectors. Check that electrical connectors are in good condition. | | | ✓ | | | | | ground disconnected |
| j. Check for cracks, dents, burns and chipped paint on housing. | ✓ | | | | | | | |
| k. Check that valve cap is tight and retaining strap is not broken or missing. | ✓ | | | | | | | |
| l. Check that both knobs on elbow assembly move freely from LO to HI position. | ✓ | | | | | | | |
| m. Check that lamp holder is tight and packing is installed. | ✓ | | | | | | | |
| n. Check that plug or shutter switch is present. If missing, notify supervisor. | ✓ | | | | | | | |
| o. Check that all boresight knobs move freely, and scales can be easily read. | ✓ | | | | | | | |
| p. Check ID plate for damage and if it can be easily read. If plate cannot be read, notify supervisor. | ✓ | | | | | | | |
| q. Check that shutter switch will not move to ON without pushing safety button first. | ✓ | | | | | | | |
| r. Check that valve cap strap is not damaged or missing. | ✓ | | | | | | | |
| s. Check that all screws are tight on mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | | | ✓ | | | | | No Electric Connection |
| 6. .50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | | | ✓ | | | | | uninstalled |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | | | ✓ | | | | | Not secured |
| 7. Equilibrator. Check for corrosion, security and adjustment. | ✓ | | | | | | | |
| 8. .50 Caliber Ammo Feed System. | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | | | ✓ | | | | | Uninstalled |
| b. Check security and condition of roller guides. | ✓ | | ✓ | | | | | |
| 9. 40mm Ammo Feed System. | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | ✓ | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | | ✓ | | | | | | |
| c. Check anti-feedback lever for condition and security. | ✓ | | | | | | | |
| 10. 40mm Ammo Box Assembly. | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | ✓ | | | | | | | |
| b. Check operation of latches. | ✓ | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | ✓ | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | ✓ | | | | | | | |
| 12. 40mm Mantlet. | | | | | | | | |
| a. Check condition and security. | | ✓ | | | | | | |
| b. Check operation of cover latches. | | ✓ | | | | | | |
| 13. .50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | ✓ | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | | | ✓ | | | | | Seized |
| 15. Elevation Control Assembly. Check for security and condition. | | | ✓ | | | | | Handle missing pin |

ENCLOSURE (8)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Gunner's Trigger Switch. Check for security and condition. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 17. Linkage. Check for security and condition. | | | ✓ | | | | | missing top nut belt + washers + nut |
| 18. Grenade Launcher Inhibit Switch. Check for security and condition. Check that electrical connector is tight and in good condition. | | | ✓ | | | | | elec. connection (M) |
| 19. Elevation Interrupter Switches. Check for condition and security. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 20. Utility Light. Check that light and electrical connector is secure and in good condition. | | | ✓ | | | | | elec. connectors cut |
| 21. Communications Box. | | | | | | | | |
| a. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | ✓ | | | | | | | |
| 22. Weapons Station. Inspect for damage, security and clarity. | | | | | | | | |
| a. Vision Blocks. Inspect for damage, security and clarity. | ✓ | | | | | | | |
| b. Ring Gear. Inspect for damage and corrosion. Should be clean and no grease. | ✓ | | | | | | | |
| 23. Hatch. | | | | | | | | |
| a. Seal, Hatch, Hinges. Inspect for damage, loose hardware and proper operation. | | | ✓ | | | | | missing seal |
| b. Hatch Latch Check. It should lock the hatch closed, hatch vertical to turret and hatch horizontally open in three positions (15 degrees, 90 degrees and 175 degrees). | ✓ | | | | | | | |
| c. Hatch Handle. Check security, condition and proper operation. | ✓ | | | | | | | |
| d. Crash Pads. Inspect pads on hatch and weapons station for security and condition. | | | | | | ✓ | | 80% or more (M) |
| 24. Sight Cover. | | | | | | | | |
| a. Seals, cover, hinges, inspect for damage, loose hardware and proper operation. | | | ✓ | | | | | explosive |
| b. Sight cover handle. Check conditions and proper operation. | | ✓ | | | | | | assembly missing |
| 25. DAGR. | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | | | ✓ | | | | | elec. cable cut |
| b. Check for security and condition. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior. | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | ✓ | | | | | | | |
| 2. Mount, Spot Light. Inspect condition and security. | ✓ | | | | | | | |
| 3. Smoke Grenade Launchers. | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | | | ✓ | | | | | Port side (M) |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | | | ✓ | | | | | cables are corroded and separating |
| c. Rubber Caps. Check sight caps for condition. | | | ✓ | | | | | (M) 4 |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | ✓ | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | | | ✓ | | | | | All bolts (M) |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | | ✓ | | | | | | (M) |
| 7. Remote Antenna. Check security and condition of cover. | ✓ | | | | | | | |
| IV. Functional Tests. | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | | | ✓ | | | | | can't traverse, stuck |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | ✓ | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | | | ✓ | | | | | No Electrical Connection |
| b. Domelight. Lights in both blue and white switch positions. | | | ✓ | | | | | No Electrical Connection |
| c. Utility Light. Lights in both red and white. | | | ✓ | | | | | wires are cut |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | | | ✓ | | | | | No Power |
| e. Spot Light. Install and check operation. | ✓ | | ✓ | | | | | No Power |
| f. Exhaust Blower. Check operation. | | | ✓ | | | | | No Power |

ENCLOSURE (58)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Low Ammo System Test. | | | | | | | | |
| a. Last-Round Switch OFF. Last-round indicator light on, triggers do not work. | | | ✓ | | | | | No Power |
| b. Last-Round Switch ON. Last-round indicator lamp light ON, override switch in up position, triggers work. | | | ✓ | | | | | L |
| c. Last-Round Switch OFF. Last-round indicator light OFF, override switch down, triggers work. | | | ✓ | | | | | L |
| 4. Weapons Station System. Perform test as prescribed in Section 3. | | | | | | | | |
| a. Manual Elevation. Check operation. | ✓ | | ✓ | | | | | Needs Grease |
| b. Deck Clearance. Check clearance of all obstacles. Check all inhibit zones. Weapons electrical trigger will not fire while in inhibit zones. | ✓ | | | | | | | |
| 5. Smoke Grenade Launcher Test. | | | | | | | | |
| a. Tubes. Check that they are clear of grenades. | ✓ | | | | | | | |
| b. Contacts. Check for 24 volts at eight firing pins inside of tubes on smoke grenade launchers. Turret power switches ON, smoke grenade switch ON, hatch in closed and locked position and grenade firing switch depressed. | | | ✓ | | | | | No Power |
| 6. DAGR Operational Test. Refer to TM 11-5820-1172-13. | | | | | | | | |
| a. Check that DAGR passes self-test. | | ✓ | | | | | | |
| b. Check that DAGR is using vehicle power. | | ✓ | | | | | | |
| c. Check that DAGR is using remote antenna. | | ✓ | | | | | | |
| d. Check functioning of DAGR screen back lighting. | | ✓ | | | | | | |

| 522999 | | | | | |
|--------|----------|---------------------|----------|------------|-----------|
| # | NIIN | Nomenclature | Quantity | Unit Price | Ext Price |
| 1 | 11870964 | SHACKLE | 4 | \$36.08 | \$144.32 |
| 2 | 13616921 | EXTINGUISHER,FIRE | 1 | \$129.91 | \$129.91 |
| 3 | 13552064 | BAR,PRY | 1 | \$9.95 | \$9.95 |
| 4 | 2247987 | BRUSH,FILE CLEANER | 1 | \$16.63 | \$16.63 |
| 5 | 2633873 | BRUSH,PAINT | 1 | \$1.56 | \$1.56 |
| 6 | 1245275 | CLIP,SPRING TENSION | 1 | \$5.65 | \$5.65 |
| 7 | 2247055 | CUTTER,BOLT | 1 | \$30.30 | \$30.30 |
| 8 | 10758292 | DRIFT PIN,TRACK | 1 | \$113.56 | \$113.56 |
| 9 | 13551899 | DRIVE HEAD,SOCKET W | 1 | \$35.24 | \$35.24 |
| 10 | 618546 | HAMMER,HAND | 1 | \$23.24 | \$23.24 |
| 11 | 13785361 | HANDLE,EXTENSION,WR | 1 | \$48.31 | \$48.31 |
| 12 | 6821508 | PADLOCK | 1 | \$7.18 | \$7.18 |
| 13 | 13365636 | PLIERS,SLIP JOINT | 1 | \$14.37 | \$14.37 |
| 14 | 13351318 | RATCHET HEAD,SOCKET | 1 | \$134.05 | \$134.05 |
| 15 | 2348912 | SCREWDRIVER,CROSS T | 1 | \$4.46 | \$4.46 |
| 16 | 2376985 | SCREWDRIVER,FLAT TI | 1 | \$8.60 | \$8.60 |
| 17 | 2228852 | SCREWDRIVER,FLAT TI | 1 | \$3.84 | \$3.84 |
| 18 | 14863602 | SPOTLIGHT | 1 | \$951.69 | \$951.69 |
| 19 | 13673462 | SCREWDRIVER ATTACHM | 1 | \$3.59 | \$3.59 |
| 20 | 2289505 | WRENCH,BOX AND OPEN | 1 | \$4.26 | \$4.26 |
| 21 | 2289507 | WRENCH,BOX AND OPEN | 1 | \$5.15 | \$5.15 |
| 22 | 2289513 | WRENCH,BOX AND OPEN | 1 | \$11.25 | \$11.25 |
| 23 | 2289514 | WRENCH,BOX AND OPEN | 1 | \$13.28 | \$13.28 |
| 24 | 2431697 | EXTENSION,SOCKET WR | 1 | \$7.70 | \$7.70 |
| 25 | 2437326 | EXTENSION,SOCKET WR | 1 | \$6.72 | \$6.72 |
| 26 | 2278074 | EXTENSION,SOCKET WR | 1 | \$4.57 | \$4.57 |
| 27 | 2217958 | HANDLE,SOCKET WRENC | 1 | \$11.69 | \$11.69 |
| 28 | 1897924 | SOCKET,SOCKET WRENC | 1 | \$4.29 | \$4.29 |
| 29 | 2370984 | SOCKET,SOCKET WRENC | 1 | \$2.36 | \$2.36 |
| 30 | 1897946 | SOCKET,SOCKET WRENC | 1 | \$4.12 | \$4.12 |
| 31 | 2355870 | SOCKET,SOCKET WRENC | 1 | \$3.42 | \$3.42 |
| 32 | 1897985 | SOCKET,SOCKET WRENC | 1 | \$4.55 | \$4.55 |
| 33 | 1897933 | SOCKET,SOCKET WRENC | 1 | \$7.01 | \$7.01 |
| 34 | 1897934 | SOCKET,SOCKET WRENC | 1 | \$4.62 | \$4.62 |
| 35 | 1897935 | SOCKET,SOCKET WRENC | 1 | \$5.67 | \$5.67 |
| 36 | 1897927 | SOCKET,SOCKET WRENC | 1 | \$3.79 | \$3.79 |
| 37 | 1897913 | SOCKET,SOCKET WRENC | 1 | \$3.65 | \$3.65 |
| 38 | 1897914 | SOCKET,SOCKET WRENC | 1 | \$3.46 | \$3.46 |
| 39 | 1897917 | SOCKET,SOCKET WRENC | 1 | \$6.33 | \$6.33 |
| 40 | 2405328 | WRENCH,ADJUSTABLE | 1 | \$10.45 | \$10.45 |
| 41 | 2401414 | WRENCH,ADJUSTABLE | 1 | \$65.47 | \$65.47 |
| 42 | 2243154 | WRENCH,BOX | 1 | \$13.79 | \$13.79 |
| 43 | 13491383 | WRENCH,BOX | 1 | \$9.50 | \$9.50 |
| 44 | 2243138 | WRENCH,BOX | 1 | \$13.75 | \$13.75 |
| 45 | 14812595 | CAP,ELECTRICAL | 1 | \$20.24 | \$20.24 |

ENCLOSURE (58)

| | | | | | |
|----|----------|---------------|---|--------|------------|
| 46 | 14810504 | SCREW,MACHINE | 2 | \$0.20 | \$0.40 |
| 47 | 2423650 | FLAGSTAFF | 1 | \$4.29 | \$4.29 |
| 48 | 2271405 | FLAG,SIGNAL | 1 | \$3.49 | \$3.49 |
| | 48 | | | | \$1,945.72 |

ENCLOSURE (SF)

| TAMCN | NOMEN | NIIN | SERIAL# | QTY | Condition Code | SR# | SR Status | T/P (\$) | REMARKS |
|---------|---------------------|-------------|---------|-----|----------------|----------|-----------|----------|---------|
| E08467E | BOLT, MACHINE | 00-933-1131 | 522999 | 2 | R | 29871926 | SHT PART | \$9.22 | |
| E08467E | WASHER, FLAT | 00-081-4219 | 522999 | 6 | R | 29871926 | SHT PART | \$12.66 | |
| E08467E | RETAINER | 00-009-4015 | 522999 | 2 | R | 29871926 | SHT PART | \$12.46 | |
| E08467E | NUT, SELF LOCKING | 00-660-3381 | 522999 | 4 | R | 29871926 | SHT PART | \$115.24 | |
| E08467E | RETAINER, BATTERY | 00-009-4016 | 522999 | 4 | R | 29871926 | SHT PART | \$69.80 | |
| E08467E | BOLT, TEE HEAD | 00-920-0640 | 522999 | 4 | R | 29871926 | SHT PART | \$24.04 | |
| E08467E | SWITCH, TOGGLE | 00-451-5377 | 522999 | 1 | R | 29871926 | SHT PART | \$90.72 | |
| E08467E | SCREW, DRIVE | 00-253-5608 | 522999 | 4 | R | 29871926 | SHT PART | \$5.28 | |
| E08467E | SEAL, NONMETALLIC | 00-439-2761 | 522999 | 6 | R | 29871926 | SHT PART | \$113.58 | |
| E08467E | PAD, CUSHION | 00-402-6024 | 522999 | 8 | R | 29871926 | SHT PART | \$269.68 | |
| E08467E | SEAL, NONMETALLIC | 00-439-2760 | 522999 | 8 | R | 29871926 | SHT PART | \$688.56 | |
| E08467E | RING, RETAINING | 00-721-6876 | 522999 | 50 | R | 29871926 | SHT PART | \$18.00 | |
| E08467E | GUARD AND CRASH | 01-257-7922 | 522999 | 2 | R | 29871926 | SHT PART | \$49.86 | |
| E08467E | SCREW, CAP, SOCKET | 00-988-7845 | 522999 | 50 | R | 29871926 | SHT PART | \$56.00 | |
| E08467E | WASHER, LOCK | 01-020-5947 | 522999 | 50 | R | 29871926 | SHT PART | \$5.50 | |
| E08467E | CABLE ASSEMBLY, R | 01-304-2026 | 522999 | 10 | R | 2992290 | SHT PART | \$227.40 | |
| E08467E | BOLT, MACHINE | 00-162-6056 | 522999 | 40 | R | 2992290 | SHT PART | \$24.40 | |
| E08467E | SCREW, CAP, HEXAGON | 00-207-8253 | 522999 | 40 | R | 2992290 | SHT PART | \$8.80 | |
| E08467E | NUT, PLAIN HEXAGON | 00-903-5966 | 522999 | 20 | R | 2992290 | SHT PART | \$186.20 | |
| E08467E | NUT, SELF LOCKING | 00-927-3877 | 522999 | 20 | R | 2992290 | SHT PART | \$23.00 | |
| E08467E | BOLT, MACHINE | 00-543-4405 | 522999 | 40 | R | 2992290 | SHT PART | \$10.00 | |

ENCLOSURE (58)

DATE: 20200415

SERVICE REQUEST: 296 80890

SET SERIAL: 522288

TAMN: 07967K

NSN: 2350-01-458-7318

DEFECT CODES: S - SERVICABLE U - UNSERVICABLE M - MISSING

LAST PMCS DATE: 20190928

CONDITION CODE: F

BY PRINT/SIGN

(b)(3), (b)(6), (b)(7)(c)

DATE: 20200418

ENCLOSURE (59)

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|--|
| MODEL (CIRCLE ONE) AAVP7A1 <u>AAVC7A1</u> AAVR7A1 | REFERENCES TM 09674A-25&P/4 TM 8F152B-25&P TM 07267B-50 TM 07268B-25&P/2 |
| TAC NO. <u>3402</u> | MILES <u>1909</u> |
| U.S.M.C. NO. <u>522288</u> | HOURS <u>817</u> |
| HULL NO. <u>RAM-CX-006</u> | |
| ENGINE NO. <u>37189886</u> | |
| TRANSMISSION NO. <u>A5213E</u> | |
| INSPECTOR'S NAME/RANK/SIGNATURE (b)(3), (b)(6), (b)(7)(c) | DATE INSPECTED <u>20200415</u> |
| NOTE: The following inspection sheets are divided into seven columns. The inspector will place a <i>check</i> in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column. | |

ENCLOSURE (54)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes. (Para. 8-33) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights. (Para. 11-32) | | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane. (Para. 10-14) | | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |
| b. Bow Plane. (Para. 10-17) | ✓ | | | | | | | |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | ✓ | | | | | | | |
| 5. Hull Port Side. Check for damage and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 16-28) | ✓ | | | | | | | |
| 7. Port Final Drive. (Para. 7-18) | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | | | | | | | | |
| a. Inner. | | | | | | ✓ | | Worn |
| b. Outer. | ✓ | | | | | | | |

| NOMENCLATURE, LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Track (Para. 7-7) Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | | | ✓ | | | | | (M) 9 new pads |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 12. Port Road Wheels and Hubs (Para. 7-12) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 13. Port Support Arms (Para. 7-13) Circle those numbers which are unserviceable. | ✓ | | | | | | | |
| 14. Port Torsion Bars (Para. 7-13) Circle those numbers which are unserviceable. | | | | | | | | |
| a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 15. Port Shock Absorbers (Para. 7-11) | | | | | | | | |
| a. No. 1 Shock | ✓ | | | | | | | |
| b. No. 2 Shock | ✓ | | | | | | | |
| c. No. 3 Shock | ✓ | | | | | | | |
| d. No. 4 Shock | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 16. Port Front Single Support Roller (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks Damage | ✓ | | | | | | | |
| b. Hub Oil Leaks | ✓ | | | | | | | |
| c. Hub Oil Level | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

ENCLOSURE (59)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Port Dual Support Roller. (Para. 7-15) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Rear Single Support Roller. (Para. 7-14) | | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 19. Port Slap Guard. (Para. 7-10) Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 20. Port Idler Wheel and Hub. (Para. 7-9) | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 21. Port Track Tension Adjuster. (Para. 7-8) | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 22. Port Anode. (Para. 8-53) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 23. Port Midships Bearing. (Para. 9-13) Check for signs of leaks. | ✓ | | | | | | | |
| 24. Drive Shaft. (Para. 9-17) Check for signs of damage | ✓ | | | | | | | |
| 25. Foreman Loop. (Para.) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Handrails. (Para.) Check for weld cracks. | ✓ | | | | | | | |
| 27. Port Cargo Hatch Supports. (Para.) | ✓ | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 28. Fuel Tank Pressure Relief Valve and Outlet Cover. (Para.) Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 29. Check fuel filter cap. (Para.) | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 30. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 31. Bilge Pump Outlets | ✓ | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 32. Personnel Heater Exhaust Outlet. | ✓ | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 33. Exterior Fire Extinguisher Pull Handle. | ✓ | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 34. External Fuel Tank Drain. Check plug for tightness and leaks. | ✓ | | | | | | | |
| 35. Port Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 36. Port Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 37. Fuel Tank Pressure Relief Valve Outlet Cover. Check cover and mounting screws for damage. | ✓ | | | | | | | |
| 38. Port Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. | ✓ | | | | | | | Doesn't free spin |
| II. Outside of Vehicle (Aft and Starboard) | | | | | | | | |
| 1. Taillights. | | | | | | | | |
| a. Port Taillight. | ✓ | | | | | | | |
| b. Starboard Taillight. | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | portside bent |
| 2. Horn. Check for loose mounting hardware, corrosion and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Point. Check for loose mounting hardware. Check point for bow tension and proper quick release operation. | | | ✓ | | | | | tow pinable (yes) |
| 5. Bump Plug. Check for alignment. | ✓ | | | | | | | |
| 6. Bump Plug and Towing Eyes. Check mounting hardware for alignment. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Vision Block and Guard. | | | | | | | | |
| a. Vision Block Guard. | ✓ | | | | | | | |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch. | | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | | | ✓ | | | | | Outer bent |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 10. Trailer Receptacle. | | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. | ✓ | | | | | | | |
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. | ✓ | | | | | | | bent on bottom dashed forenoon |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub. | | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer wheel. | ✓ | | | | | | | |
| c. Inner wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster. | | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 18. Starboard Main Prop. Bearing. Check for signs of leaks. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. | | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 20. Starboard Support Arms. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 21. Starboard Tension Bars. Check for broken bar and loose retaining screws. Circle those numbers which are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 22. Starboard Shock Absorbers. | | | | | | | | |
| a. No. 1 Shock | ✓ | | | | | | | |
| b. No. 2 Shock | ✓ | | | | | | | |
| c. No. 3 Shock | ✓ | | | | | | | |
| d. No. 4 Shock | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 23. Starboard Front Single Support Roller. | | | | | | | | |
| a. Support Wheel Cracks Damage | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level | ✓ | | | | | | | |
| d. Mounting Hardware | ✓ | | | | | | | |
| 24. Starboard Dual Support Roller | | | | | | | | |
| a. Support Wheel Cracks Damage | ✓ | | | | | | | |
| b. Hub Oil Leaks | ✓ | | | | | | | |
| c. Hub Oil Level | ✓ | | | | | | | |
| d. Mounting Hardware | ✓ | | | | | | | |
| 25. Starboard Front Single Support Roller | | | | | | | | |
| a. Support Wheel Cracks Damage | ✓ | | | | | | | |
| b. Hub Oil Leaks | ✓ | | | | | | | |
| c. Hub Oil Level | ✓ | | | | | | | |
| d. Mounting Hardware | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gage to measure wear. Mark each unserviceable track shoe. | | | | | | | | |
| a. Track Shoes. | | | ✓ | | | | | 4 track shoes (2) |
| b. Track Pads. | ✓ | | | | | | | |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. | | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | | | | | | ✓ | | worn |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 30. Starboard Final Drive. | | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting hardware and damage. | | | ✓ | | | | | (2) 1 bolt |
| 33. Starboard Bilge Pump Outlets. | | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. | | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails | ✓ | | | | | | | |
| 37. Foreman Loop. Check for weld cracks. | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 38. Starboard Side Hull. Check for damaged and bare metal. | | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 16-69a) | ✓ | | | | | | | |
| b. Steps. (Para. 16-72) | ✓ | ✓ | | | | | | NO STEPS |
| c. Slope Rack Kit (SRK). (Para. 16-73) | ✓ | | | | | | | |
| d. Stowage provisions. (Para. 16-81) | ✓ | | | | | | | |
| e. Fairings. (Para. 16-71) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 16-70) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 16-80) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | | | | | | | | |
| a. Hull. | ✓ | | | | | | | |
| b. Ramp. | ✓ | | | | | | | |
| c. Contact Cooler. | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |
| 3. Intake Grille. | | | | | | | | |
| NOTE Make sure intake grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly (Para. 8-17). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |

Spring in latch
ENCLOSURE (59)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | ✓ | | | | | | | |
| 7. Exhaust Grille (Para 8-14) | | | | | | | | |
| NOTE Make sure that exhaust grille is secured properly in raised position. | | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators. | | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | | | ✓ | | | | | ⓐ cap & chain |
| 10. Driver's Hatch. | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | ✓ | | | | | low torsion |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | ✓ | | | | | crash pads ⓐ hatch |
| e. Vision Blocks. | ✓ | | | | | | | bury st |
| f. DVE Adapter Assembly. | ✓ | | | | | | | |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. | ✓ | | | | | | | |
| 12. Commander's Hatch. | | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. | | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes/Clamp. | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | ✓ | | | | | | | |
| 15. Overhead Protection Kit (OPK). | | | | | | | | |
| a. OPK Tiles. | | | ✓ | | | | | (not to place) |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | ✓ | | | | | | | |
| c. TBAM. | ✓ | | | | | | | |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | | | | | | | | |
| a. Covers and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. FLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod. | | | | | | | | |
| NOTE Make sure intake grille is properly secured in raised position. | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | ✓ | | | | | | | |
| c. TACNAV sensor. | ✓ | | | | | | | |
| 2. Brake Pneum Actuating Cylinder. | | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hose. | ✓ | | | | | | | |
| c. Quick-Release Assembly. | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 4. Cooling Fan | | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |
| h. Drain Tube. | ✓ | | | | | | | |
| 5. Surge Tank | | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | | | | | | | | |
| a. Ducts, Clamps, and Hoses. | ✓ | | | | | | | |
| b. Drain Tube. | | | ✓ | | | | | not installed |
| 7. Control Linkages. | | | | | | | | |
| a. Brake Linkage. | | ✓ | | | | | | needs PM |
| b. Steering Linkage. | ✓ | | | | | | | |
| c. Throttle Linkage. | ✓ | | | | | | | |
| d. Brake Flood Control Valve Linkage. | ✓ | | | | | | | |
| NOTE | | | | | | | | |
| Make sure flood valve spindle moves freely. | | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | ✓ | | | | | | | |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | ✓ | | | | | | | |
| 9. Electrical Wiring and Connections. | | | | | | | | |
| a. Bulk Head Connectors. | ✓ | | | | | | | |
| b. Power Plant Wiring. | ✓ | | | | | | | |
| c. Crew War Fan. | ✓ | | | | | | | |
| d. Electrical Bidge Pump. | ✓ | | | | | | | |
| Check and verify Emergency Lower Deck door lock mechanism is properly installed and working properly. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| d. Speedometer Adapter Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | ✓ | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 20. Port Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive. | | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 24. Starboard Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | | | | | | | | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | |
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | | | ✓ | | | | | (M) clamps |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | ✓ | | | | | | | |
| 27. Starboard Right Angle Drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper safety wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check safety wire for damage. | ✓ | | | | | | | |
| 30. Fuel Filter. | | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock Contamination. | ✓ | | | | | | | |
| c. Electrical Leads Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and safety wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (port side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |
| d. Engine Oil Level. Check for correct level and type of transmission oil. Check for leaks for damage. | ✓ | | | | | | | |
| e. Transmission Oil Level. Check for correct level and type of transmission oil. Check for leaks for damage. | ✓ | | | | | | | |
| | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | ✓ | | | | | | | Needs PM |
| 11. Generator | | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | ✓ | | | | | | | |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | ✓ | | | | | | | |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of safety wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |
| 15. Cold Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir | | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | ✓ | | | | | | | |
| d. Dipstick for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--|--------------|---------|---------|--------|--------|---------|--------|--|
| VII. Troop Compartment | | | | | | | | | |
| NOTE | | | | | | | | | |
| Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | | |
| 1. Engine Compartment Access Covers (all). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | | | | | | | | | |
| a. Aft Upper. | | ✓ | | | | | | | |
| b. Aft Center. | | ✓ | | | | | | | |
| c. Aft Lower. | | ✓ | | | | | | | |
| d. Port Upper. | | ✓ | | | | | | | |
| e. Port Lower. | | ✓ | | | | | | | |
| f. Smoke Generation. | | ✓ | | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | | |
| a. Bottle and Tag. | | | ✓ | | | | | | (M) f 129 |
| b. Control Valve. | | ✓ | | | | | | | |
| c. Clamps. | | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | | ✓ | | | | | | | |
| 6. Air Cleaner Compartment. | | | | | | | | | |
| a. Access Door. | | ✓ | | | | | | | |
| b. Retaining Brackets. | | ✓ | | | | | | | |
| c. Element. | | ✓ | | | | | | | |
| d. Compartment | | ✓ | | | | | | | |
| Right Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | | ✓ | | | | | | | |
| Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | | ✓ | | | | | | | |
| Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | | | | | | | | |
| a. Internal Fuel Tank Drain. | ✓ | | | | | | | |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank | | | | | | | | |
| a. Electrical Leads. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | ✓ | | | | | | | |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts Straps. | ✓ | | | | | | | |
| f. Adjusting Rods. | ✓ | | | | | | | |
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | ✓ | | | | | | | |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVE Container. | ✓ | | | | | | | |
| f. Portable Fire Extinguisher Bracket. | ✓ | | | | | | | |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support | ✓ | | | | | | | |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check wires for tight screws. Check slave battery for damage. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Batteries. | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Holddowns. | ✓ | | | | | | | |
| c. Cables and Terminals. | ✓ | | | | | | | |
| d. Battery and Terminal Posts. | ✓ | | | | | | | |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | | | | | | |
| a. Port | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 18. Water Steer System Components. | | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | ✓ | | | | | | | |
| 19. AFSSS Electrical Components. | | | | | | | | |
| a. Sensors Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | | | | | | ✓ | | G-11 VC has broken |
| 21. Air Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Curtains. Check for free movement and damaged hardware. | ✓ | | | | | | | |
| 23. Entry Lock Linkage. Check to see that linkage is in position. Check for loose mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | ✓ | | | | | | | |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates | | | | | | | | |
| a. Deck Plates (port and starboard). | ✓ | | | | | | | |
| b. Center Deck Plate. | ✓ | | | | | | | |
| c. Contact Cooler Bleeder Valve Access Cover. | ✓ | | | | | | | |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tiedown Rings. | ✓ | | | | | | | |
| NOTE Remove troop compartment deck plates before continuing. | | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramap Cylinder and Cable. | ✓ | | | | | | | |
| 29. Hydraulic Bilge Pump. | | | | | | | | |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump. | | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17 lb). | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal | ✓ | | | | | | | |
| c. Tag Box | ✓ | | | | | | | |
| d. Seal | ✓ | | | | | | | |

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| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 33. Personnel Heater. | | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | ✓ | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper safety wire. | ✓ | | | | | | | |
| 36. Radio Mounts. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| 37. EPLRS Rack. | | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | | | | | | | | |
| 1. Access Covers. | | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever | ✓ | | | | | | | (M) |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7 lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seat on control head. | | | | | | | | |
| a. Bracket and Mounting Hardware | ✓ | | | | | | | |
| b. Tag Date | ✓ | ✓ | | | | | | (M) tag |
| c. Wire Seat. | ✓ | | | | | | | |
| d. Flapper Valve. Check handle and look for damage and proper operation. | ✓ | | | | | | | |
| e. Flapper Valve. Check handle and look for damage and proper operation. | ✓ | | | | | | | |

| NOMENCLATURE LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | ✓ | | | | | | | |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | ✓ | | | | | | | |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | ✓ | | | | | | | |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gages are securely mounted in panel, and that hose connections are tight. | ✓ | | | | | | | |
| 13. Accelerator Pedal. | | | | | | | | |
| a. Mounting Hardware Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | ✓ | | | | | | | |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel tilt. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Lamp Test Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | ✓ | | | | | | | |
| d. Panel Lights Brt Dim Switch. | ✓ | | | | | | | |
| e. Cold Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | ✓ | | | ✓ | | insp |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | ✓ | | | | | | | |
| <p align="center">NOTE</p> <p>Bar scales and warning lights will be checked during the operational portion of preinduction.</p> | | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | ✓ | | | | | | | |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | ✓ | | | | | | | |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | | | ✓ | | | | | ① cover & chain |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | ✓ | | | | | | | |
| 27. Data Plates. Check for damage. | | ✓ | | | | | | ① gear plate |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MFSS and AFSSS). | | | | | | | | |
| NOTE At this time all fire suppression system bottles are to be pulled and weighed. | | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | ① cover MFSSS |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | ✓ | | | | | | | |
| d. Seal. | ✓ | | | | | | | |
| 33. Tank Jack Bunch. Check bunch for damage and to ensure it is tight for tightness. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Horn. | ✓ | | | | | | | |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (forward and aft). | ✓ | | | | | | | |
| f. Panel Lights (brt dim). | ✓ | | | | | | | |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks in accordance with TM 09674A-25&P:4. (See worksheet at the end of this Appendix). | ✓ | | | | | | | |
| 3. Vehicle Stall Check: With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | | | | | | | | |
| a. Brakes. | ✓ | | | | | | | |
| b. Transmission. | ✓ | | | | | | | |
| c. Engine RPM | | ✓ | | | | | | 1000 RPM |
| d. TACNAV Indicator. Check that system powers and display works. | | | ✓ | | | | | inop |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | ✓ | | | | | | | |
| b. Service Drive. | ✓ | | | | | | | |
| c. Dimmer Switch. | ✓ | | | | | | | |
| d. Blackout Markers. | ✓ | | | | | | | |
| e. Stop Light. | ✓ | | | | | | | |
| f. Park. | ✓ | | | | | | | |
| g. Searchlight. | ✓ | | | | | | | |
| h. Interior Dome Lights. | ✓ | | | | | | | |
| i. Driver's View Mirror Indicator. Check that power mirror works. | ✓ | | | | | | | |
| j. Lamp Test Warning Control. Check that lamp test works properly. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | ✓ | | | | | | | |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | ✓ | | | | | | | |
| 3. Smoke Generation. Check for correct operation. | ✓ | | | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | ✓ | | | | | | | |
| 5. Speedometer. Check for correct operation. | ✓ | | | | | | | |
| 6. Noises. Check for any unusual noises. | ✓ | | | | | | | |
| XI. Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | ✓ | | | | | | | |
| 2. Check if hydraulic bilge pumps operation. | ✓ | | | | | | | |
| 3. Check if electric bilge pumps operate. | ✓ | | | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | ✓ | | | | | | | |
| 5. Bow Plane Operation. | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | ✓ | | | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | ✓ | | | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | ✓ | | | | | | | |

NOTE:

See TM 10004A-25&P 2 for LTI of UGWS Unique Items.
 See TM 07267B-25&P 4 for LTI of AAVR7A1 Unique Items.
 See TM 07268B-25&P 2 for LTI of AAVC7A1 Unique Items.

APPENDIX E
ASSAULT AMPHIBIOUS VEHICLE
AAVC7A1
LIMITED TECHNICAL INSPECTION

TAC No. 3 HNDZ USMC No. 522288 Miles 1909 Hours 341
Date Inspected 20200415 Inspector _____ (b)(3), (b)(6), (b)(7)(c)

NOTE

Perform inspections listed below in addition to those contained in Appendix E, TM 09674A-25&P/4.

| NOMENCLATURE/LOCATION | | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable |
|---|--|--------------|---------|---------|--------|--------|---------|--------|---|
| I. Outside of Vehicle | | | | | | | | | |
| 1. Vehicle Commander's Hatch | | | | | | | | | |
| a. Cover and Hinges | | ✓ | | | | | | | |
| b. Torsion Bar | | ✓ | | | | | | | |
| c. Latches (Open and Closed) | | ✓ | | | | | | | |
| d. Seals and Pads | | ✓ | | | | | | | |
| e. Vision Blocks | | ✓ | | | | | | | |
| f. M240 Machine Gun Pintle | | ✓ | | | | | | | |
| 2. Antenna Mounts | | | | | | | | | |
| a. AS-3916/VRC (5) /W/(3 GPS) (8) | | ✓ | ✓ | | | | | | Ⓜ 3 |
| b. AS-3449/VSQ-1 EPLRS (2) | | ✓ | | | | | | | |
| c. Model 4244-1 HF (1) | | ✓ | | | | | | | |
| d. 4310 UHF (1) | | ✓ | | | | | | | |
| e. AN0791A-1 OS-302 (1) SATCOM | | ✓ | | | | | | | |
| f. AT-1621-5 (2) | | ✓ | | | | | | | |
| g. MT-2011 (1) BFT | | ✓ | | | | | | | |
| h. RA-1 (1) DAGR | | ✓ | | | | | | | |
| II. Vehicle Commander's Station | | | | | | | | | |
| 1. Vehicle Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belts and cushions for damage. | | ✓ | | | | | | | |

ENCLOSURE (59)

| NOMENCLATURE/LOCATION | | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable |
|--------------------------------------|---|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Staff Radios And Switching Unit | | | | | | | | | |
| 1. | RT-1694 (C) Receiver-Transmitter. Check knobs and push button switches for cracks and/or breaks. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 2. | Model 4310 Ultra High Frequency Antenna. Check for bent or broken element. Check for missing element cap. Check antenna base for cracked or broken insulators. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 3. | RT-1796 (C) Receiver-Transmitter. Check knobs and push button switches for cracks and/or breaks. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | | | | ✓ | | | mode knob broken, requires repair/float SN 44160 |
| 4. | Model 4244 High Frequency Antenna. Check for bent or broken element. Check for missing element cap. Check antenna base for cracked or broken insulators. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 5. | 1796 RT- 1694 (C) Receiver-Transmitter. Check knobs and push button switches for cracks and/or breaks. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 6. | RT-1720 (C) EPLRS Receiver-Transmitter. Check knobs and push button switches for cracks and/or breaks. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | we don't operate EPLRS |
| 7. | AS-3449/VSQ-1 EPLRS. Check for bent or broken element. Check for missing element cap. Check antenna base for cracked or broken insulators. Check all cables for frayed and/or broken insulation; bent or broken connector pins, and tightness of connectors. | | | | | ✓ | | | PM connector & threads. Corroded/possibly inop |
| 8. | RT-1523/VRC Receiver-Transmitter. Check for torn key pad. Check for loose, broken or missing knobs. Check for missing screws for Hold Up Battery. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included If unserviceable |
|--|--|--------------|---------|---------|--------|--------|---------|--------|---|
| IV. Crew Radios And Switching Unit | | | | | | | | | |
| 1. RT-1523/VRC Receiver-Transmitter. Check for torn key pad. Check for loose, broken or missing knobs. Check for missing screws for Hold Up Battery. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | | |
| 2. AS-3916/VRC Antenna. Check for bent or broken element. Check for missing element cap. Check antenna base for cracked or broken insulators. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | | ✓ | | | | ✓ | | missing 3 AS 3916's. need 4 collet bolts for the 5 we have |
| 3. AM-7239/VRC Amplifier Adapter. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | | |
| 4. AM-7238/VRC Power Amplifier. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | | |
| 5. MT-6352/VRC Mounting Base. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | | |
| 6. TOCNET Enhanced Crew Access Unit (eCAU). Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | | |
| 7. Check Tactical Radio Interface Module (TRIM). Ensure TRIM interfaces with the EMCSU and accesses the crew radio system. | | ✓ | | | | | | | |
| V. Alternating and Direct Current Power Distribution Units | | | | | | | | | |
| 1. Check unit for missing or loose mounting hardware. | | ✓ | | | | | | | |
| 2. Check cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | ✓ | | | | | | | |
| VI. Work Station Module | | | | | | | | | |
| 1. Work Station Crew Seats (Port/Starboard). Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan. belts and cushions for damage. | | ✓ | | | | | | | |
| 2. Work Station Crew Seats BFT Monitor Keyboard Support Arm Assembly. Check to see the condition and secure in place. | | ✓ | | | | | | | |
| 3. Work Station Crew Seats eCAU Support Arm Assembly. Check to see the condition and secure in place. | | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable |
|---|--------------|---------|---------|--------|--------|---------|--------|---|
| III. Staff Radios And Switching Unit (Cont.) | | | | | | | | |
| 9. AS-3916/VRC Antenna. Check for bent or broken element. Check for missing element cap. Check antenna base for cracked or broken insulators. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | Missing 3 AS 3916s Missing 4 collet bolts for the 5 we |
| 10. AM-7239/VRC Amplifier Adapter. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 11. MT-2011 Blue Force Tracking antenna. Antenna. Check for bent or broken element. Check for missing element cap. Check antenna base for cracked or broken insulators. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 12. AM-7238/VRC Power Amplifier. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | | | | | ✓ | | | 2 antenna cables frayed. Repair cable |
| 13. MT-6352/VRC Mounting Base. Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 14. TOCNET Tactical Inter-Communication System's Enhanced Micro Central Switching Units (EMCSU). Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 15. TOCNET enhanced Crew Access Unit (eCAU). Check for loose or missing mounting hardware. Check all cables for frayed and/or broken insulation, bent or broken connector pins, and tightness of connectors. | ✓ | | | | | | | |
| 16. TOCNET Soft Crew Access Unit (CAU). Ensure software is properly configured on Soft CAU laptop and configuration files are loaded on the EMCSU. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable |
|---|--------------|---------|---------|--------|--------|---------|--------|---|
| VI. Work Station Module (Cont.) | | | | | | | | |
| 4. Work Station Crew Seats AFATDS Support Arm Assembly. Check to see the condition and secure in place. | ✓ | | | | | | | |
| 5. Work Station Crew Seats Port Laptop Mount Arm Assembly. Check to see the condition and secure in place. | ✓ | | | | | | | |
| 6. Work Station Crew Seats Starboard Laptop Mount Arm Assembly. Check to see the condition and secure in place. | ✓ | | | | | | | |
| 7. Work Station Crew Seat 1 (Port) | | | | | | | | |
| a. eCAU. Check that electrical and connections are tight and in good condition. Complete Built-In Test (BIT). | ✓ | | | | | | | |
| b. CF-19. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| c. Soft CAU. Verify in the program directory. | ✓ | | | | | | | |
| d. Docking Station. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| e. DVD Drive +/- . Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| f. USB Jack Box Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| g. Convenience Outlet. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| h. Work Light Assembly. Check that electrical and connections are tight and in good condition. | | ✓ | | | | | | (M) WS light |
| i. BFT Display. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| 8. Work Station Crew Seat 2 (Port) | | | | | | | | |
| a. eCAU. Check that electrical and connections are tight and in good condition. Complete Built-In Test (BIT). | ✓ | | | | | | | |
| b. CF-19. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| c. Soft CAU. Verify in the program directory. | ✓ | | | | | | | |
| d. Docking Station. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| e. DVD Drive +/- . Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| f. USB Jack Box Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| g. Convenience Outlet. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| h. Work Light Assembly. Check that electrical and connections are tight and in good condition. | | ✓ | | | | | | (M) WS light |

ENCLOSURE (59)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable |
|---|--------------|---------|---------|--------|--------|---------|--------|---|
| VI. Work Station Modules (Cont.) | | | | | | | | |
| 9. Work Station Crew Seat 3 (Port) | | | | | | | | |
| a. eCAU. Check that electrical and connections are tight and in good condition. Complete Built-In Test (BIT). | ✓ | | | | | | | |
| b. CF-19. Check that electrical and connections are tight and in good condition. | | ✓ | | | | | | NO CF 'm WS |
| c. Soft CAU. Verify in the program directory. | | | | | | | | cant verify |
| d. Docking Station. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| e. DVD Drive +/- . Check that electrical and connections are tight and in good condition. | | | | | | | | CV |
| f. USB Jack Box Assembly. Check that electrical and connections are tight and in good condition. | | | | | | | | CV |
| g. Convenience Outlet. Check that electrical and connections are tight and in good condition. | | | | | | | | CV |
| h. Work Light Assembly. Check that electrical and connections are tight and in good condition. | | ✓ | | | | | | (M) WS light |
| 10. Work Station Crew Seat 4 (Starboard) | | | | | | | | |
| a. eCAU. Check that electrical and connections are tight and in good condition. Complete Built-In Test (BIT). | ✓ | | | | | | | |
| b. CF-19. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| c. Soft CAU. Verify in the program directory. | ✓ | | | | | | | |
| d. Docking Station. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| e. DVD Drive +/- . Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| f. USB Jack Box Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| g. Convenience Outlet. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| h. Work Light Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | WS Light inop |
| i. AFATDS Tadpole. | ✓ | | | | | | | |
| 11. Work Station Crew Seat 5 (Starboard) | | | | | | | | |
| a. eCAU. Check that electrical and connections are tight and in good condition. Complete Built-In Test (BIT). | ✓ | | | | | | | |
| b. CF-19. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| c. Soft CAU. Verify in the program directory. | ✓ | | | | | | | |
| d. Docking Station. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable |
|---|--------------|---------|---------|--------|--------|---------|--------|---|
| VI. Work Station Modules (Cont.) | | | | | | | | |
| e. DVD Drive +/- . Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| f. USB Jack Box Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| g. Convenience Outlet. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| h. Work Light Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| 12. Work Station Crew Seat 6 (Starboard) | | | | | | | | |
| a. eCAU. Check that electrical and connections are tight and in good condition. Complete Built-In Test (BIT). | ✓ | | | | | | | |
| b. CF-19. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | NO CF in WS |
| c. Soft CAU. Verify in the program directory. | | | ✓ | | | | | CV |
| d. Docking Station. Check that electrical and connections are tight and in good condition. | | | ✓ | | | | | CV |
| e. DVD Drive +/- . Check that electrical and connections are tight and in good condition. | | | ✓ | | | | | CV |
| f. USB Jack Box Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| g. Convenience Outlet. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| h. Work Light Assembly. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| VII. DAGR Assembly | | | | | | | | |
| 1. DAGR | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | ✓ | | | | | | | |
| 2. DAGR Remote Antenna. Check security and condition of cover | | | | | | | | |
| | ✓ | | | | | | | |
| 3. DAGR Operational Test | | | | | | | | |
| a. Check that DAGR passes self-test. | | | | | ✓ | | | DAGR (M) cable won't power on |
| b. Check that DAGR is using vehicle power. | | | | | ✓ | | | |
| c. Check that DAGR is using remote antenna. | | | | | ✓ | | | |
| d. Check functioning of DAGR screen back lighting. | | | | | ✓ | | | |
| VIII. Windows Server | | | | | | | | |
| 1. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| 2. Check for security and condition. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable |
|-----------------------|---|--------------|---------|---------|--------|--------|---------|--------|---|
| IX. | Network Router | | | | | | | | |
| | 1. Check that electrical connections are tight. | ✓ | | | | | | | |
| | 2. Check for security and condition. | ✓ | | | | | | | |
| X. | Network Switch | | | | | | | | |
| | 1. Check that electrical connections are tight. | ✓ | | | | | | | |
| | 2. Check for security and condition. | ✓ | | | | | | | |
| XI. | SIXNET Hub | | | | | | | | |
| | 1. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| | 2. Check for security and condition. | ✓ | | | | | | | |
| XII. | Iridium Phone Base | | | | | | | | |
| | 1. Check that electrical and connections are tight and in good condition. | ✓ | | | | | | | |
| | 2. Check for security and condition. | | | | | ✓ | | | dangling. not mounted |
| | 3. Check mounting hardware for damage and tightness. | | | | | ✓ | | | 41 |

| 522288 | | | | | |
|--------|----------|---------------------|----------|------------|-----------|
| # | NIIN | Nomenclature | Quantity | Unit Price | Ext Price |
| 1 | 433463 | HANDSET | 1 | \$52.52 | \$52.52 |
| 2 | 13552064 | BAR,PRY | 1 | \$9.95 | \$9.95 |
| 3 | 10226004 | CABLE ASSEMBLY,POWE | 1 | \$341.68 | \$341.68 |
| 4 | 11348528 | CURTAIN,BLACKOUT | 1 | \$49.40 | \$49.40 |
| 5 | 2241390 | CROWBAR | 1 | \$49.45 | \$49.45 |
| 6 | 10758292 | DRIFT PIN,TRACK | 1 | \$113.56 | \$113.56 |
| 7 | 10635996 | GOGGLES,INDUSTRIAL | 1 | \$17.66 | \$17.66 |
| 8 | 618546 | HAMMER,HAND | 1 | \$23.24 | \$23.24 |
| 9 | 2657462 | HAMMER,HAND | 1 | \$24.48 | \$24.48 |
| 10 | 2630349 | HANDLE,FILE | 1 | \$1.59 | \$1.59 |
| 11 | 193093 | LAMP,INCANDESCENT | 1 | \$0.25 | \$0.25 |
| 12 | 2432395 | MATTOCK | 1 | \$13.71 | \$13.71 |
| 13 | 2558113 | MEASURE,LIQUID | 1 | \$45.40 | \$45.40 |
| 14 | 6821508 | PADLOCK | 1 | \$7.18 | \$7.18 |
| 15 | 14297306 | PLIERS,DIAGONAL CUT | 1 | \$11.47 | \$11.47 |
| 16 | 2348913 | SCREWDRIVER,CROSS T | 1 | \$1.40 | \$1.40 |
| 17 | 2348912 | SCREWDRIVER,CROSS T | 1 | \$4.46 | \$4.46 |
| 18 | 2228852 | SCREWDRIVER,FLAT TI | 1 | \$3.84 | \$3.84 |
| 19 | 13784933 | SOCKET,SOCKET WRENC | 1 | \$31.25 | \$31.25 |
| 20 | 13785543 | SOCKET,SOCKET WRENC | 1 | \$10.26 | \$10.26 |
| 21 | 1776154 | SPOUT,CAN,FLEXIBLE | 1 | \$11.65 | \$11.65 |
| 22 | 2289503 | WRENCH,BOX AND OPEN | 1 | \$2.15 | \$2.15 |
| 23 | 2289504 | WRENCH,BOX AND OPEN | 1 | \$4.43 | \$4.43 |
| 24 | 2289505 | WRENCH,BOX AND OPEN | 1 | \$4.26 | \$4.26 |
| 25 | 2289506 | WRENCH,BOX AND OPEN | 1 | \$4.79 | \$4.79 |
| 26 | 2278074 | EXTENSION,SOCKET WR | 1 | \$4.57 | \$4.57 |
| 27 | 2217958 | HANDLE,SOCKET WRENC | 1 | \$11.69 | \$11.69 |
| 28 | 2306385 | HANDLE,SOCKET WRENC | 1 | \$37.69 | \$37.69 |
| 29 | 1897932 | SOCKET,SOCKET WRENC | 1 | \$3.64 | \$3.64 |
| 30 | 1897946 | SOCKET,SOCKET WRENC | 1 | \$4.12 | \$4.12 |
| 31 | 1897933 | SOCKET,SOCKET WRENC | 1 | \$7.01 | \$7.01 |
| 32 | 1897914 | SOCKET,SOCKET WRENC | 1 | \$3.46 | \$3.46 |
| 33 | 2405328 | WRENCH,ADJUSTABLE | 1 | \$10.45 | \$10.45 |
| 34 | 2401414 | WRENCH,ADJUSTABLE | 1 | \$65.47 | \$65.47 |
| 35 | 13491383 | WRENCH,BOX | 1 | \$9.50 | \$9.50 |
| 36 | 14806390 | CABLE ASSEMBLY,SPEC | 1 | \$343.25 | \$343.25 |
| 37 | 14812598 | CAP,ELECTRICAL | 1 | \$41.40 | \$41.40 |
| 38 | 14810596 | GASKET | 1 | \$18.42 | \$18.42 |
| 39 | 14810504 | SCREW,MACHINE | 2 | \$0.20 | \$0.40 |
| 40 | 9221200 | FIRST AID KIT,UTILI | 1 | \$51.90 | \$51.90 |
| 41 | 11870964 | SHACKLE | 1 | \$36.08 | \$36.08 |
| 42 | 9857846 | BATTERY,NONRECHARGE | 1 | \$6.50 | \$6.50 |
| 43 | 8357210 | BATTERY,NONRECHARGE | 1 | \$9.20 | \$9.20 |
| 44 | 13786054 | EXTENSION,SOCKET WR | 1 | \$6.90 | \$6.90 |
| 45 | 7083799 | FIXTURE ASSEMBLY,TR | 1 | \$119.95 | \$119.95 |

ENCLOSURE (59)

| | | | | | |
|----|-----------|---------------------|---|----------|-------------------|
| 46 | 2886574 | HANDLE,MATTOCK-PICK | 1 | \$12.93 | \$12.93 |
| 47 | 10711746 | HOIST,WIRE ROPE | 1 | \$269.39 | \$269.39 |
| 48 | 2211536 | KNIFE,PUTTY | 1 | \$5.11 | \$5.11 |
| 49 | 1558675 | LAMP,INCANDESCENT | 1 | \$2.03 | \$2.03 |
| 50 | 11187711 | LIFTER,ROAD WHEEL | 1 | \$248.91 | \$248.91 |
| 51 | 193093 | LAMP,INCANDESCENT | 1 | \$0.25 | \$0.25 |
| 52 | 13616921 | EXTINGUISHER,FIRE | 1 | \$129.91 | \$129.91 |
| 53 | 11661730 | FIBER ROPE ASSEMBLY | 2 | \$164.67 | \$329.34 |
| 54 | 2247987 | BRUSH,FILE CLEANER | 1 | \$16.63 | \$16.63 |
| 55 | 11955355 | BRUSH,WIRE,SCRATCH | 1 | \$1.80 | \$1.80 |
| 56 | 2363272 | CHISEL,COLD,HAND | 1 | \$5.05 | \$5.05 |
| 57 | 2247055 | CUTTER,BOLT | 1 | \$30.30 | \$30.30 |
| 58 | 2558113 | MEASURE,LIQUID | 1 | \$45.40 | \$45.40 |
| 59 | 2628868 | OILER,HAND | 1 | \$6.96 | \$6.96 |
| 60 | 13351318 | RATCHET HEAD,SOCKET | 1 | \$134.05 | \$134.05 |
| 61 | 2376985 | SCREWDRIVER,FLAT TI | 1 | \$8.60 | \$8.60 |
| 62 | 14863602 | SPOTLIGHT | 1 | \$951.69 | \$951.69 |
| 63 | 2289507 | WRENCH,BOX AND OPEN | 1 | \$5.15 | \$5.15 |
| 64 | 2289516 | WRENCH,BOX AND OPEN | 1 | \$17.43 | \$17.43 |
| 65 | 2431697 | EXTENSION,SOCKET WR | 1 | \$7.70 | \$7.70 |
| 66 | 1897935 | SOCKET,SOCKET WRENC | 1 | \$5.67 | \$5.67 |
| 67 | 2243154 | WRENCH,BOX | 1 | \$13.79 | \$13.79 |
| 68 | 2243138 | WRENCH,BOX | 1 | \$13.75 | \$13.75 |
| 69 | 14789090 | COVER,GUN | 1 | \$101.36 | \$101.36 |
| 70 | 13375269 | CAN,MILITARY | 2 | \$44.09 | \$88.18 |
| | 70 | | | | \$4,083.01 |

ENCLOSURE (54)

| TAMCN | NOMEN | NIIN | SERIAL# | QTY | Condition Code | SR# | SR Status | T/P (\$) | REMARKS |
|---------|-------------------|-------------|---------|-----|----------------|----------|-----------|------------|---------|
| E07967K | MANIFOLD, EXHAUST | 01-497-4810 | 522288 | 1 R | | 29984958 | RPR PRGS | \$2,763.17 | |

ENCLOSURE (54)

APPENDIX C

ASSAULT AMPHIBIOUS VEHICLE
UPGUNNED WEAPONS STATION (UGWS), AAVP7A1

LIMITED TECHNICAL INSPECTION

TAC No. 3 HN 01 USMC No. 522656 Miles 1929, Hours 381

Date Inspected 20200623 Inspector _____

(b)(3), (b)(6), (b)(7)(c)

*See Table _____

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Basket Weldment | | | | | | | | |
| 1. Basket Weldment Clearance. | ✓ | | | | | | | |
| a. Area around sides of basket weldment clear of obstructions. | ✓ | | | | | | | |
| b. Area around 12 channel slip ring clear of obstructions. | ✓ | | | | | | | |
| 2. 12 Channel Slip Ring. | ✓ | | | | | | | |
| a. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| b. Upper portion of 12-channel slip ring rotates freely. | ✓ | | | | | | | |
| c. Manual and electrical weapons station operation. | ✓ | | | | | | | |
| 3. Power Relay Assembly. | ✓ | | | | | | | |
| a. Box secure to bottom of basket. | ✓ | | | | | | | |
| b. Electrical connectors tight and in good condition. | ✓ | | | | | | | |
| 4. Basket inspection | ✓ | | | | | | | |
| a. Seat belt secure, latch working properly, belt in good condition. | ✓ | | | | | | | |
| b. Stowed items do not overhang basket. | ✓ | | | | | | | |
| c. Seat in good condition, locks in all height positions, secure in basket assembly. | ✓ | | | | | | | |
| II. Weapons Station Interior | | | | | | | | |
| 1. Turret Power Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 2. Weapon Control Assembly. | | | | | | | | |
| a. Box cover secure. Box secure to basket weldment. | ✓ | | | | | | | |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |

ENCLOSURE (60)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Traverse Switch Assembly. | | | | | | | | |
| a. Box cover secure to basket weldment. | | ✓ | | | | | | 2 Bolts |
| b. Electrical connector tight and in good condition. | ✓ | | | | | | | |
| 4. M36E-TSS Periscope. | | | | | | | | |
| a. Mounting Screws. Check screws for security. Check sight is secure to turret weldment. | ✓ | | | | | | | |
| b. Sight. Check for moisture in window and in mirror. Check condition of glass. | ✓ | | | | | | | |
| c. Sight Eyepieces. Check for moisture, condition of reticles, condition of eye-piece pads, and proper operation. | ✓ | | | | | | | |
| d. Latch Assembly. Check that latch moves freely, and has spring tension. | ✓ | | | | | | | |
| e. Hanger Strap. Check for serviceability. | ✓ | | | | | | | |
| f. Head Assembly. Check nuts on head assembly for tightness. | ✓ | | | | | | | |
| g. Body Assembly. Check mounting hardware for security and that safety wire is present. | ✓ | | | | | | | |
| h. Boresight Knobs – Azimuth and Elevation. Check setting on both knobs and record. Turn each knob, check for smooth movement and shift of sight reticle. Reposition knobs to original settings. | ✓ | | | | | | | |
| i. Sight Power Electrical Connectors. Check that electrical connectors are in good condition. | ✓ | | | | | | | |
| j. Check for cracks, dents, burns and chipped paint on housing. | ✓ | | | | | | | |
| k. Check that valve cap is tight and retaining strap is not broken or missing. | ✓ | | | | | | | |
| l. Check that both knobs on elbow assembly move freely from LO to HI position. | ✓ | | | | | | | |
| m. Check that lamp holder is tight and packing is installed. | ✓ | | | | | | | |
| n. Check that plug or shutter switch is present. If missing, notify supervisor. | ✓ | | | | | | | |
| o. Check that all boresight knobs move freely, and scales can be easily read. | ✓ | | | | | | | |
| p. Check ID plate for damage and if it can be easily read. If plate cannot be read, notify supervisor. | ✓ | | | | | | | |
| q. Check that shutter switch will not move to ON without pushing safety button first. | ✓ | | | | | | | |
| r. Check that valve cap strap is not damaged or missing. | ✓ | | | | | | | |
| s. Check that all screws are tight on mounting hardware. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Exhaust Blower. Check for corrosion and debris. Make sure electrical connectors are tight and in good shape. Check operation of blower door. | ✓ | | | | | | | |
| 6. .50 Caliber Ammo Ejection Chute. Check for condition and security. Ensure that chute is clear of debris. | | | | | | | | |
| a. Check ejection-chute hose for security and condition. | | | ✓ | | | | | Uninstalled |
| b. Spent-Cartridge Box. Check security and condition. Check operation of latches. | | ✓ | | | | | | Box Cover |
| 7. Equilibrator. Check for corrosion, security and adjustment. | ✓ | | | | | | | |
| 8. .50 Caliber Ammo Feed System. | | | | | | | | |
| a. Check security and condition of .50 caliber ammo trays. | ✓ | | | | | | | |
| b. Check security and condition of roller guides. | ✓ | | | | | | | |
| 9. 40mm Ammo Feed System. | | | | | | | | |
| a. Feed Chute. Check for dents, corrosion and/or damage. | ✓ | | | | | | | |
| b. Check feed-chute cover for tears, holes; zipper must move freely. Check attachment points for security and condition. | ✓ | | | | | | | |
| c. Check anti-feedback lever for condition and security. | ✓ | | | | | | | |
| 10. 40mm Ammo Box Assembly. | | | | | | | | |
| a. Check security and condition of box, doors, and flaps. | ✓ | | | | | | | |
| b. Check operation of latches. | ✓ | | | | | | | |
| c. Check that electrical connector on last-round switch is tight and in good condition. | ✓ | | | | | | | |
| 11. 40mm Charger Assembly. Check condition and security of charger tube. | ✓ | | | | | | | |
| 12. 40mm Mantlet. | | | | | | | | |
| a. Check condition and security. | ✓ | | | | | | | |
| b. Check operation of cover latches. | ✓ | | | | | | | |
| 13. .50 Caliber Mantlet and Cradle. Check condition and security. Check for damage, cracked welds and bare metal. | ✓ | | | | | | | |
| 14. Power-Assist Traverse Mechanism. Check for security, condition and leakage. Make sure that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 15. Elevation Control Assembly. Check for security and condition. | ✓ | | | | | | | |

ENCLOSURE (60)

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Gunner's Trigger Switch. Check for security and condition. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 17. Linkage. Check for security and condition. | ✓ | | | | | | | |
| 18. Grenade Launcher Inhibit Switch. Check for security and condition. Check that electrical connector is tight and in good condition. | | | | | | ✓ | | Switch Broken |
| 19. Elevation Interrupter Switches. Check for condition and security. Check that electrical connectors are tight and in good condition. | ✓ | | | | | | | |
| 20. Utility Light. Check that light and electrical connector is secure and in good condition. | ✓ | | | | | | | |
| 21. Communications Box. | | | | | | | | |
| a. Check that electrical connector is tight and in good condition. | ✓ | | | | | | | |
| b. Check for security and condition. | ✓ | | | | | | | |
| 22. Weapons Station. Inspect for damage, security and clarity. | | | | | | | | |
| a. Vision Blocks. Inspect for damage, security and clarity. | ✓ | | | | | | | |
| b. Ring Gear. Inspect for damage and corrosion. Should be clean and no grease. | ✓ | | | | | | | |
| 23. Hatch. | | | | | | | | |
| a. Seal, Hatch, Hinges. Inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Hatch Latch Check. It should lock the hatch closed, hatch vertical to turret and hatch horizontally open in three positions (15 degrees, 90 degrees and 175 degrees). | ✓ | | | | | | | |
| c. Hatch Handle. Check security, condition and proper operation. | ✓ | | | | | | | |
| d. Crash Pads. Inspect pads on hatch and weapons station for security and condition. | | | | | | ✓ | | Pad (I) |
| 24. Sight Cover. | | | | | | | | |
| a. Seals, cover, hinges, inspect for damage, loose hardware and proper operation. | ✓ | | | | | | | |
| b. Sight cover handle. Check conditions and proper operation. | ✓ | | | | | | | |
| 25. DAGR. | | | | | | | | |
| a. Check that electrical and antenna connections are tight and in good condition. | | | | | | | | |
| b. Check for security and condition. | | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| III. Weapons Station Exterior. | | | | | | | | |
| 1. Receptacle, Spot Light. Inspect for corrosion and damage. Check that cover fits securely and is tight. | ✓ | | | | | | | |
| 2. Mount, Spot Light. Inspect condition and security. | ✓ | | | | | | | |
| 3. Smoke Grenade Launchers. | | | | | | | | |
| a. Tubes. Inspect sight tubes for dents, cracks or corrosion, and security to mounts. Check security of mount to turret. | ✓ | | | | | | | |
| b. Electrical Contacts. Check that contacts are tight and free of corrosion. | ✓ | | | | | | | |
| c. Rubber Caps. Check sight caps for condition. | | ✓ | | | | | | 1 Cap |
| 4. Entrance Window. Inspect condition and security. Look for signs of moisture. | ✓ | | | | | | | |
| 5. Sight Cover. Inspect condition and security. | ✓ | | | | | | | |
| 6. 40mm Mantlet Cover. Check for security and condition. Check operation of latches. | ✓ | | | | | | | |
| 7. Remote Antenna. Check security and condition of cover. | | | | | | | | |
| IV. Functional Tests. | | | | | | | | |
| 1. Manual Operation. Check for weapons station binding and backlash. | | | | | | | | |
| a. Azimuth. Check movement through 360 degree clockwise and counter-clockwise. | ✓ | | | | | | | |
| b. Elevation. Check for +45 degree maximum elevation and -8 degree maximum depression. | ✓ | | | | | | | |
| 2. Powered Systems Test. Vehicle master switch and turret power switch ON. Check operation as noted. | | | | | | | | |
| a. Control Box Lights. Check that control box lamps light when turret power switch is ON by pressing lamp test all button. | ✓ | | | | | | | |
| b. Domelight. Lights in both blue and white switch positions. | ✓ | | | | | | | |
| c. Utility Light. Lights in both red and white. | | | ✓ | | | | | Light ② |
| d. Thermal Elbow Check Only. Ensure the unit shows an image and all controls work. | ✓ | | | | | | | |
| e. Spot Light. Install and check operation. | ✓ | | | | | | | |
| f. Exhaust Blower. Check operation. | ✓ | | | | | | | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be Included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Low Ammo System Test. | | | | | | | | |
| a. Last-Round Switch OFF. Last-round indicator light on, triggers do not work. | ✓ | | | | | | | |
| b. Last-Round Switch ON. Last-round indicator lamp light ON, override switch in up position, triggers work. | ✓ | | | | | | | |
| c. Last-Round Switch OFF. Last-round indicator light OFF, override switch down, triggers work. | ✓ | | | | | | | |
| 4. Weapons Station System. Perform test as prescribed in Section 3. | | | | | | | | |
| a. Manual Elevation. Check operation. | ✓ | | | | | | | |
| b. Deck Clearance. Check clearance of all obstacles. Check all inhibit zones. Weapons electrical trigger will not fire while in inhibit zones. | ✓ | | | | | | | |
| 5. Smoke Grenade Launcher Test. | | | | | | | | |
| a. Tubes. Check that they are clear of grenades. | ✓ | | | | | | | |
| b. Contacts. Check for 24 volts at eight firing pins inside of tubes on smoke grenade launchers. Turret power switches ON, smoke grenade switch ON, hatch in closed and locked position and grenade firing switch depressed. | | | | | | | | |
| 6. DAGR Operational Test. Refer to TM 11-5820-1172-13. | | | | | | | | |
| a. Check that DAGR passes self-test. | | | | | | | | |
| b. Check that DAGR is using vehicle power. | | | | | | | | |
| c. Check that DAGR is using remote antenna. | | | | | | | | |
| d. Check functioning of DAGR screen back lighting. | | | | | | | | |

APPENDIX E LIMITED TECHNICAL INSPECTION

E-1. AAV7A1 LIMITED TECHNICAL INSPECTION.

Table E-1. AAV7A1 Limited Technical Inspection

| ASSAULT AMPHIBIOUS VEHICLE (AAV7A1) LIMITED TECHNICAL INSPECTION | |
|---|--|
| MODEL (CIRCLE ONE) | REFERENCES |
| AAVP7A1 AAVC7A1 AAVR7A1 | TM 07007/07267/07268-25/1 TM 07267C-25/1 TM 07268C-25/1 TM 07007/07267/07268-25/2 |
| TAC NO. 314N01 | MILES 1929 |
| U.S.M.C. NO. 522656 | HOURS 381 |
| HULL NO. RAMS 0142 | |
| ENGINE NO. 37206618 | |
| TRANSMISSION NO. A14072E | |
| INSPECTOR'S NAME/RANK/SIGNATURE | DATE INSPECTED |
| (b)(3), (b)(6), (b)(7)(c) | 20200623 |
| <p>NOTE: The following inspection sheets are divided into seven columns. The inspector will place a <i>check</i> in the column which best describes the condition of the item being inspected. For those items that cannot be inspected for any reason, the inspector will make an appropriate annotation in the remarks column.</p> | |

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| I. Outside of Vehicle (Forward and Port) | ✓ | | | | | | | |
| 1. Hull Forward End. Check for damage and bare metal. | ✓ | | | | | | | |
| 2. Towing Eyes. (Para. 8-33) | ✓ | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| 3. Headlights. (Para. 11-32) | ✓ | | | | | | | |
| a. Port. | ✓ | | | | | | | |
| b. Starboard. | ✓ | | | | | | | |
| c. Headlight Guards. | ✓ | | | | | | | |
| 4. Bow Plane. (Para. 10-14) | ✓ | | | | | | | |
| a. Hinges and Mounting Hardware. (Para. 10-17) | ✓ | | | | | | | |

Check Ramp Seal - Dunk Test
 All of Suspension Rusty & Has Chipped Paint
 Covered in Sand

ENCLOSURE (60)

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| b. Bow Plane. (Para. 10-17) | ✓ | | | | | | | |
| c. Hydraulic Tubes and Fittings. (Para. 10-16) | ✓ | | | | | | | |
| d. Pivot Actuator. (Para. 10-18) | ✓ | | | | | | | |
| 5. Hull Port Side. Check for damage and bare metal. ... | ✓ | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 17-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 17-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage Provisions. (Para. 17-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 17-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 17-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 17-36) | ✓ | | | | | | | |
| 6. Port Track Shroud. Check for loose mounting hardware and damage. (Para. 17-28) | | ✓ | | | | | | Ⓜ 6 Bolts |
| 7. Port Final Drive. (Para. 7-18) | ✓ | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 8. Port Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 9. Port Sprockets. (Para. 7-16) | ✓ | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 10. Port Track. (Para. 7-7) Use track wear gauge to measure wear. Mark each unserviceable track shoe. | ✓ | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | | ✓ | | | | | | Ⓜ 26 Inner Pads |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 11. Port Road Wheels and Hubs. (Para. 7-12) Circle those numbers that are unserviceable. | ✓ | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | | | | | | ✓ | | Inner Wheel Cracked |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. 1 2 3 4 5 6 | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 12. Port Support Arms. (Para. 7-13) Circle those numbers that are unserviceable. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 13. Port Torsion Bars. (Para. 7-13) Circle those numbers that are unserviceable. a. Torsion Bars. 1 2 3 4 5 6 | ✓ | | | | | | | |
| b. Retaining Screws. 1 2 3 4 5 6 | ✓ | | | | | | | |
| 14. Port Shock Absorbers. (Para. 7-11) a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | ✓ | | | | | | | |
| c. No. 3 Shock. | ✓ | | | | | | | |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 15. Port Front Single Support Roller. (Para. 7-14) a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 16. Port Dual Support Roller. (Para. 7-15) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 17. Port Rear Single Support Roller. (Para. 7-14) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 18. Port Slap Guard. (Para. 7-10) | ✓ | | | | | | | |
| Check for wear and loose mounting hardware. | ✓ | | | | | | | |
| 19. Port Idler Wheel and Hub. (Para. 7-9) | ✓ | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 20. Port Track Tension Adjuster. (Para. 7-8) | ✓ | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | ✓ | | | | | | | |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 21. Port Anode. (Para. 8-54) Check for tightness of mounting screw. Make sure there is no paint on anode. | ✓ | | | | | | | |
| 22. Port Midships Bearing. (Para. 9-18) Check for signs of leaks. | ✓ | | | | | | | |
| 23. Drive Shaft. (Para. 9-17) Check for signs of damage. | ✓ | | | | | | | |
| 24. Footman Loop. (Para. 8-50) Check for weld cracks. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 25. Port Handrails. (Table 3-1) Check for weld cracks. | ✓ | | | | | | | |
| 26. Port Cargo Hatch Supports. (Para. 8-26) | ✓ | | | | | | | |
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| 27. Fuel Tank Pressure Relief Valve (Para. 12-18) and Outlet Cover (Para. 12-12). Check cover and mounting screws for damage. Check relief opens. | ✓ | | | | | | | |
| 28. Check fuel filter cap. (Para. 12-9) | ✓ | | | | | | | |
| 29. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 30. Bilge Pump Outlets. | ✓ | | | | | | | |
| a. Hydraulic Pump Outlet. (Para. 8-47) | ✓ | | | | | | | |
| b. Electric Pump Outlet. (Para. 8-46) | ✓ | | | | | | | |
| 31. Personnel Heater Exhaust Outlet. (Para. 14-14) | ✓ | | | | | | | |
| a. Outlet Cap. | ✓ | | | | | | | |
| b. Outlet Adapter. | ✓ | | | | | | | |
| 32. Exterior Fire Extinguisher Pull Handle. (Para. 15-13) | ✓ | | | | | | | |
| a. Handle. | ✓ | | | | | | | |
| b. Wire Seal. | ✓ | | | | | | | |
| 33. External Fuel Tank Drain. Check plug for tightness and leaks. (Para. 12-18) | ✓ | | | | | | | |
| 34. Port Deflector. (Para. 9-21) Check for warping and cracks. Check mounting hardware for tightness and damage. | ✓ | | | | | | | |
| 35. Port Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |
| 36. Port Propulsion Unit. (Para. 9-20) Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| II. Outside of Vehicle (Aft and Starboard) | ✓ | | | | | | | |
| 1. Taillights. | ✓ | | | | | | | |
| a. Port Taillight. (Para. 11-53) | ✓ | | | | | | | |
| b. Starboard Taillight. (Para. 11-59) | ✓ | | | | | | | |
| c. Taillight Guards. | ✓ | | | | | | | |
| 2. Horn. (Para. 11-54) Check for loose mounting hardware, corrosion, and proper electrical connections. | ✓ | | | | | | | |
| 3. Tow Cable Stowage Brackets. (Para. 8-27) Check for cracked or bent brackets. | ✓ | | | | | | | |
| 4. Towing Pintle. (Para. 8-41) Check for loose mounting hardware. Check pintle for free rotation and proper quick-release operation. | ✓ | | | | | | | |
| 5. Ramp Plugs. (Para. 8-27) Check for tightness. | ✓ | | | | | | | |
| 6. Ramp Hinges and Towing Eyes. (Para. 8-27) Check mounting hardware for tightness. | ✓ | | | | | | | |
| 7. Vision Block and Guard. (Para. 8-30) | ✓ | | | | | | | |
| a. Vision Block Guard. | ✓ | | | | | | | |
| b. Vision Block. | ✓ | | | | | | | |
| 8. Personnel Hatch. (Para. 8-31) | ✓ | | | | | | | |
| a. Personnel Hatch Handle (inner and outer). | ✓ | | | | | | | |
| b. Personnel Hatch Seal. | ✓ | | | | | | | |
| c. Hook and Damper. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 9. Starboard Deflector. Check for warping and cracks. Check mounting hardware for tightness and damage. (Para. 9-20) | ✓ | | | | | | | |
| 10. Trailer Receptacle. | ✓ | | | | | | | |
| a. Cover. | ✓ | | | | | | | |
| b. Retainer Chain. | ✓ | | | | | | | |
| 11. Starboard Reverse Flow Duct. Check for damage and tight mounting hardware. (Para. 9-20) | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 12. Starboard Propulsion Unit. Check unit for damage and mounting hardware for tightness. Rotate drive shaft to check for free movement of impeller. (Para. 9-20) | ✓ | | | | | | | |
| 13. Drive Shaft. Check for signs of damage. | ✓ | | | | | | | |
| 14. Footman Loop. Check for weld cracks. | ✓ | | | | | | | |
| 15. Starboard Idler Wheel and Hub. (Para. 7-9) | ✓ | | | | | | | |
| a. Idler. | ✓ | | | | | | | |
| b. Outer Wheel. | ✓ | | | | | | | |
| c. Inner Wheel. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| e. Oil Level. | ✓ | | | | | | | |
| 16. Starboard Track Tension Adjuster. (Para. 7-8) | ✓ | | | | | | | |
| a. Track Adjuster Support. | ✓ | | | | | | | |
| b. Track Adjuster. | | | ✓ | | | | | Chrome Rusty |
| c. Bleeder Valve. | ✓ | | | | | | | |
| d. Grease Fitting. | ✓ | | | | | | | |
| 17. Starboard Anode. Check for tightness of mounting screw. Make sure there is no paint on anode. (Para. 8-54) | ✓ | | | | | | | |
| 18. Starboard Midships Bearing. Check for signs of leaks. (Para. 9-18) | ✓ | | | | | | | |
| 19. Starboard Road Wheels and Hubs. Check those numbers which are unserviceable. (Para. 7-12) | ✓ | | | | | | | |
| a. Road Wheel Cracks/Damage. 1 2 3 4 5 6 | | | | | | ✓ | | #2 & #3 Both Inner Wheels Cracked |
| b. Road Wheel Wear Rings. 1 2 3 4 5 6 | ✓ | | | | | | | |
| c. Hub Oil Leaks. 1 2 3 4 5 6 | ✓ | | | | | | | |
| d. Hub Oil Level. | ✓ | | | | | | | |
| e. Mounting Hardware. 1 2 3 4 5 6 | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 20. Starboard Support Arms. Circle those numbers that are unserviceable. | ✓ | | | | | | | |
| 1 2 3 4 5 6 | ✓ | | | | | | | |
| 21. Starboard Torsion Bars. Check for broken bar and loose retaining screws. Circle those numbers that are unserviceable. | ✓ | | | | | | | |
| 1 2 3 4 5 6 | ✓ | | | | | | | |
| 22. Starboard Shock Absorbers. (Para. 7-11) | ✓ | | | | | | | |
| a. No. 1 Shock. | ✓ | | | | | | | |
| b. No. 2 Shock. | ✓ | | | | | | | |
| c. No. 3 Shock. | ✓ | | | | | | | |
| d. No. 4 Shock. | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 23. Starboard Front Single Support Roller. (Para. 7-14) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 24. Starboard Dual Support Roller. (Para. 7-15) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 25. Starboard Rear Single Support Roller. (Para. 7-14) | ✓ | | | | | | | |
| a. Support Wheel Cracks/Damage. | ✓ | | | | | | | |
| b. Hub Oil Leaks. | ✓ | | | | | | | |
| c. Hub Oil Level. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 26. Starboard Slap Guard. Check for wear and loose mounting hardware. (Para. 7-10) | ✓ | | | | | | | |
| 27. Starboard Track. Use track wear gauge to measure wear. Mark each unserviceable track shoe. (Para. 7-7) | ✓ | | | | | | | |
| a. Track Shoes. | ✓ | | | | | | | |
| b. Track Pads. | | ✓ | | | | | | Ⓜ 22 Inner Pads |
| c. Track Pins. | ✓ | | | | | | | |
| d. Track Wear. | ✓ | | | | | | | |
| e. Track Adjustment. | ✓ | | | | | | | |
| 28. Starboard Sprocket Rings. (Para. 7-16) | ✓ | | | | | | | |
| a. Inner. | ✓ | | | | | | | |
| b. Outer. | ✓ | | | | | | | |
| 29. Starboard Sprocket Carrier. Check for loose mounting hardware and damage. (Para. 7-16) | ✓ | | | | | | | |
| 30. Starboard Final Drive. (Para. 7-18) | ✓ | | | | | | | |
| a. Outer Housing. | ✓ | | | | | | | |
| b. Bolts. | ✓ | | | | | | | |
| 31. Starboard Side Pontoon. Remove drain plug and check for water. (Para. 8-44) | ✓ | | | | | | | |
| 32. Starboard Track Shroud. Check for loose mounting hardware and damage. (Para. 8-34) | | ✓ | | | | | | Ⓜ 3 Bolts |
| 33. Starboard Bilge Pump Outlets. (Para. 8-46) | ✓ | | | | | | | |
| a. Hydraulic Pump Outlet. | ✓ | | | | | | | |
| b. Electric Pump Outlet. | ✓ | | | | | | | |
| 34. Stowage Brackets. Check for weld cracks. | ✓ | | | | | | | |
| 35. Heater Exhaust Outlet. Check for loose mounting hardware and damage. | ✓ | | | | | | | |
| 36. Starboard Cargo Hatch Supports. (Para. 8-26) | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| a. Forward Support. | ✓ | | | | | | | |
| b. Aft Support. | ✓ | | | | | | | |
| c. Hand Rails. | ✓ | | | | | | | |
| 37. Footman Loop. Check for weld cracks. (Para. 8-50) | ✓ | | | | | | | |
| 38. Starboard Side Hull. Check for damaged and bare metal. | ✓ | | | | | | | |
| a. Armor Piercing Protection Plates Kit (APK). (Para. 17-26a) | ✓ | | | | | | | |
| b. Steps. (Para. 17-29) | ✓ | | | | | | | |
| c. Slope Rack Kit (SRK). (Para. 8-49) | ✓ | | | | | | | |
| d. Stowage Provisions. (Para. 17-37) | ✓ | | | | | | | |
| e. Fairings. (Para. 17-28) | ✓ | | | | | | | |
| f. Standoff Brackets. (Para. 17-27) | ✓ | | | | | | | |
| g. Hull Bosses. (Para. 17-36) | ✓ | | | | | | | |
| III. Bottom of Vehicle | | | | | | | | |
| 1. Hull. Check bottom of vehicle for damage. | ✓ | | | | | | | |
| 2. Drain Plugs. Check for missing, tight, or damaged plugs. | ✓ | | | | | | | |
| a. Hull. (Para. 8-42) | ✓ | | | | | | | |
| b. Ramp. (Para. 8-27) | ✓ | | | | | | | |
| c. Contact Cooler. (Para. 8-43) | ✓ | | | | | | | |
| IV. Outside of Vehicle (Topside) | | | | | | | | |
| 1. Hand Rail (forward). Check for weld cracks or other damage. | ✓ | | | | | | | |
| 2. Mooring Cleats/Lifting Fixtures. Check for damage. (Para. 8-34) | ✓ | | | | | | | |
| a. Forward (port and starboard). | ✓ | | | | | | | |
| b. Aft (port and starboard). | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 3. Intake Grille. | | | | | | | | |
| NOTE | | | | | | | | |
| Make sure intake grille is secured properly in raised position. (Para. 8-13) | ✓ | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Brace Rod. | ✓ | | | | | | | |
| c. Cam Lock Handles/Stop Screws. | ✓ | | | | | | | |
| d. Torsion Bar Assembly. (Para. 8-17) | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| f. Seal. | ✓ | | | | | | | |
| 4. Ventilator-Aspirator. Check that valve works properly and inlet screen is clean and not damaged. (Para. 8-18) | ✓ | | | | | | | |
| 5. Radiator Cover and Cap. Check ballistic cover for damage and radiator cap for proper sealing. (Para. 8-19) | ✓ | | | | | | | |
| 6. Center Plate. Check sealing surface for tight fit and retaining screws for tightness. | | ✓ | | | | | | Ⓜ All (8) Bolts |
| 7. Exhaust Grille. (Para. 8-14) | | | | | | | | |
| NOTE | | | | | | | | |
| Make sure that exhaust grille is secured properly in raised position. | ✓ | | | | | | | |
| a. Screen. | ✓ | | | | | | | |
| b. Seal. | ✓ | | | | | | | |
| c. Brace Rod. | ✓ | | | | | | | |
| d. Lugs (Dogs). | ✓ | | | | | | | |
| e. Mounting Hardware. | ✓ | | | | | | | |
| 8. Plenum Indicators. (Para. 8-16) | ✓ | | | | | | | |
| a. Intake. | ✓ | | | | | | | |
| b. Exhaust. | ✓ | | | | | | | |
| 9. Searchlight Mount and Receptacle. Check for damage. | | ✓ | | | | | | Ⓜ Cap & Chain |
| 10. Driver's Hatch. (Para. 8-21) | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | ✓ | | | | | | | |
| e. Vision Blocks. | ✓ | | | | | | | |
| f. DVE Adapter Assembly. | | | ✓ | | | | | DVE Plug Falls Out |
| 11. Periscope and Support. Check periscope for breaks and chips and support for damage. (Para. 8-24) | ✓ | | | | | | | |
| 12. Commander's Hatch. (Para. 8-23) | ✓ | | | | | | | |
| a. Cover and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals and Pads. | | | | | | ✓ | | Seal (I) |
| e. Vision Blocks. | ✓ | | | | | | | |
| 13. External Exhaust system. Check the external muffler, muffler guard, for damage and operation. (TM 07007/07267/07268-25/2) | ✓ | | | | | | | |
| a. Muffler. | ✓ | | | | | | | |
| b. Guard. | ✓ | | | | | | | |
| c. Pipes/Clamp. | ✓ | | | | | | | |
| 14. Ventilation Exhaust Outlet. Check ballistic cover for damage and tight retaining screws. Check screen for damage. | ✓ | | | | | | | |
| 15. Overhead Protection Kit (OPK). | ✓ | | | | | | | |
| a. OPK Tiles. | ✓ | | | | | | | |
| b. Torsion Bar Assist Mechanism (TBAM) Cover. | ✓ | | | | | | | |
| c. TBAM. | | | ✓ | | | | | Loose Mounting Bolts/STBD Side |
| d. Bosses. | ✓ | | | | | | | |
| 16. Cargo Hatches. | ✓ | | | | | | | |
| a. Covers and Hinges. | ✓ | | | | | | | |
| b. Torsion Bar. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| c. Latches (open and closed). | ✓ | | | | | | | |
| d. Seals. | ✓ | | | | | | | |
| 17. Antenna Mounts. | ✓ | | | | | | | |
| a. Receiving Mount. | ✓ | | | | | | | |
| b. Port Sending Mount. | ✓ | | | | | | | |
| c. Starboard Sending Mount. | ✓ | | | | | | | |
| d. PLRS Antenna Mount. | ✓ | | | | | | | |
| e. DACT Antenna Mount. | ✓ | | | | | | | |
| 18. Sea Tow Quick-Release. Check assembly for damage and proper operation. | ✓ | | | | | | | |
| V. Engine Compartment (Forward) | ✓ | | | | | | | |
| 1. Forward Bulkhead, Bow Pod Access Cover, and Bow Pod: | | | | | | | | |
| NOTE | | | | | | | | |
| Make sure intake grille is properly secured in raised position. | | | | | | | | |
| a. Bow Plane Velocity Fuse Valves. | ✓ | | | | | | | |
| b. Bow Pod Access Cover. | ✓ | | | | | | | |
| c. TACNAV Sensor. | ✓ | | | | | | | |
| 2. Intake Plenum Actuating Cylinder. | ✓ | | | | | | | |
| a. Cylinder. | ✓ | | | | | | | |
| b. Hydraulic Hoses. | ✓ | | | | | | | |
| 3. Cam Roller Lock. Check condition of each latch roller. | ✓ | | | | | | | |
| 4. Cooling Fan. | ✓ | | | | | | | |
| a. Guard. | ✓ | | | | | | | |
| b. Shroud. | ✓ | | | | | | | |
| c. Fan. | ✓ | | | | | | | |
| d. Bearings. | ✓ | | | | | | | |
| e. Belt Adjustment. | ✓ | | | | | | | |
| f. Seals. | ✓ | | | | | | | |
| g. Fan Cartridge Bearing. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| h. Drain Tube. | ✓ | | | | | | | |
| 5. Surge Tank. | ✓ | | | | | | | |
| a. Tank. | ✓ | | | | | | | |
| b. Valve. | ✓ | | | | | | | |
| c. Hose and Tubes. | ✓ | | | | | | | |
| d. Mounting Hardware. | ✓ | | | | | | | |
| 6. Crew Ventilation. | ✓ | | | | | | | |
| a. Ducts, Clamps, and Hoses. | ✓ | | | | | | | |
| b. Drain Tube. | ✓ | | | | | | | |
| 7. Control Linkages. | ✓ | | | | | | | |
| a. Brake Linkage. | ✓ | | | | | | | |
| b. Steering Linkage. | ✓ | | | | | | | |
| c. Throttle Linkage. | ✓ | | | | | | | |
| d. Brake Flood Control Valve Linkage. | | | | | | | | |
| NOTE Make sure flood valve spindle moves freely. | ✓ | | | | | | | |
| e. Engine Compartment Exhaust Fan Linkage. | ✓ | | | | | | | |
| 8. Transmission Mounts. Check mounts for loose mounting hardware. Check transmission guide and guide rollers for damage. | ✓ | | | | | | | |
| 9. Electrical Wiring and Connections. | ✓ | | | | | | | |
| a. Bulk Head Connectors. | ✓ | | | | | | | |
| b. Power Plant Wiring. | ✓ | | | | | | | |
| c. Crew Vent Fan. | ✓ | | | | | | | |
| d. Electrical Bilge Pump. | ✓ | | | | | | | |
| 10. Hydrostatic Steering Disconnect Lever. Check lever for correct operation, damage, and wear. Check for leaks. | ✓ | | | | | | | |
| 11. Port Final Drive. | ✓ | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| d. Speedometer Adapter/Cable. | ✓ | | | | | | | |
| 12. Port U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 13. Port Hydraulic Bilge Pump. Check for oil leaks, loose mounting hardware, damaged screen, and debris. | ✓ | | | | | | | |
| 14. Bilge Pump Bypass Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connections. | ✓ | | | | | | | |
| 15. Plenum Solenoid Valve. Check for oil leaks, loose mounting hardware, and damaged electrical connection. | ✓ | | | | | | | |
| 16. Bow Plane Hydraulic tubes. Hoses and Fittings. Check for leaks, loose fittings and loose mounting hardware. | ✓ | | | | | | | |
| 17. Fuel Manifold. Check for fuel leaks and loose mounting hardware. | ✓ | | | | | | | |
| 18. Forward Engine Compartment Fire Extinguisher Discharge Nozzle. Check for damage and debris. | ✓ | | | | | | | |
| 19. Port Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper lock wire. | ✓ | | | | | | | |
| 20. Port right-angle drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 21. Starboard Final Drive. | ✓ | | | | | | | |
| a. Oil/Oil Level. | ✓ | | | | | | | |
| b. Oil Leaks/Seals. | ✓ | | | | | | | |
| c. Mounting Hardware. | ✓ | | | | | | | |
| 22. Starboard U-Joint. Check for wear, tight screws, and proper safety wiring. | ✓ | | | | | | | |
| 23. Starboard Lateral Drive Shaft. Check shaft for damage and coupling for tight mounting screws and proper lock wire. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 24. Starboard Electrical Bilge Pump. Check screen for debris and damage. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 25. Precleaner. Check cleaner for damage, loose mounting hardware, and loose clamps. Check screen for damage and debris. | | | ✓ | | | | | <i>Needs Cleaning</i> |
| 26. Crew Ventilation Fan. Check mounting hardware for looseness. Check ducts and clamps for damage and tightness. | ✓ | | | | | | | |
| 27. Starboard right-angle drive. Check oil level. Check mounting hardware for looseness. Check for signs of leaks. | ✓ | | | | | | | |
| 28. Starboard Right-Angle Drive Shaft. Check condition of shaft coupling for damage. Check coupling bolts for tightness and proper lock wire. | ✓ | | | | | | | |
| 29. Fan Drive Shaft. Check shaft and coupling for damage or wear. Check lock wire for damage. | ✓ | | | | | | | |
| 30. Fuel Filter. | ✓ | | | | | | | |
| a. Fuel Leaks. | ✓ | | | | | | | |
| b. Drain Cock/Contamination. | ✓ | | | | | | | |
| c. Electrical Leads/Transducer. | ✓ | | | | | | | |
| d. Mounting Hardware/Air Valve. | ✓ | | | | | | | |
| 31. Power Takeoff Unit. | ✓ | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Electrical leads/Connections. | ✓ | | | | | | | |
| 32. Starter. Check that starter is mounted properly. Check electrical leads and connections for damage and proper connections. | ✓ | | | | | | | |
| 33. Transmission Oil Cooler. Check for oil and water leaks. Check electrical leads and connections for damage. Check oil lines, hoses, and clamps for tightness. | ✓ | | | | | | | |
| 34. Exhaust Manifold (starboard side). Check for cracks, holes, and corrosion. Check mounting hardware for tightness. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 35. Transmission. Check for overall cleanliness and damage. | ✓ | | | | | | | |
| a. Leaks. | ✓ | | | | | | | |
| b. Torque converter to engine mounting screw for tightness. | ✓ | | | | | | | |
| c. Range selector valve for leaks and lock wire. | ✓ | | | | | | | |
| d. Oil Leaks. | ✓ | | | | | | | |
| e. Left and right brake and steer sections for leaks and loose mounting bolts. | ✓ | | | | | | | |
| f. Check brakes for proper adjustment. | ✓ | | | | | | | |
| g. Check transmission drain line for leaks, damage, and loose drain plug. | ✓ | | | | | | | |
| VI. Engine Compartment (Aft) | | | | | | | | |
| 1. Exhaust Plenum. Check actuating cylinder and oil lines for leaks. Check condition of plenum seal. | ✓ | | | | | | | |
| 2. Components Bolted on to the Engine. Check for tight mounting hardware, proper electrical connections, damaged hoses and electrical leads, and leaks. | ✓ | | | | | | | |
| a. Turbocharger. | ✓ | | | | | | | |
| b. PT Pump. | ✓ | | | | | | | |
| c. Exhaust Manifold (Port Side). | ✓ | | | | | | | |
| d. Engine Oil Cooler. | ✓ | | | | | | | |
| e. Engine Oil Filter. | ✓ | | | | | | | |
| f. Intake Manifold. | ✓ | | | | | | | |
| g. Smoke Generation Components. | ✓ | | | | | | | |
| h. Cold-Start Components. | ✓ | | | | | | | |
| i. Crankcase Breathers. | ✓ | | | | | | | |
| 3. Transmission Oil Filter. | ✓ | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Check Electrical Connections. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 4. Engine Oil Level. Check for correct level and signs of contamination. Check dipstick for damage. | ✓ | | | | | | | |
| 5. Transmission Oil Level. Check for correct level and signs of contamination. Check fill tube and dipstick for damage. | | | | | | | | ✓ Oil Too Full <i>pe</i> |
| 6. Tachometer Drive Shaft. Check for adapter and cable damage. | ✓ | | | | | | | |
| 7. Radiator. Check for radiator damage. Check for water leaks on radiator and coolant tubes. | ✓ | | | | | | | |
| 8. Exhaust System. Check condition of insulation. Check for loose mounting hardware and damaged scavenging system check valve and for leaks. | ✓ | | | | | | | |
| 9. Engine Compartment Exhaust Duct. Check for cracks or other damage. Check mounting hardware and clamps for tightness. Check tubes for proper mounting. | ✓ | | | | | | | |
| 10. Engine. Check overall condition of engine for cleanliness and fuel, coolant, and oil leaks. | ✓ | | | | | | | |
| 11. Generator. | ✓ | | | | | | | |
| a. Bracket and Hardware. | ✓ | | | | | | | |
| b. Pulley and Belt. | | | ✓ | | | | | Belt Loose |
| c. Adjustment. | ✓ | | | | | | | |
| d. Voltage Regulator | ✓ | | | | | | | |
| 12. Water Pump. Check for leaks. | ✓ | | | | | | | |
| a. Pump. | ✓ | | | | | | | |
| b. Hoses and Tubes. | ✓ | | | | | | | |
| c. Belt and Adjustment. | | | ✓ | | | | | Belt Loose |
| 13. Fire Extinguisher Discharge Nozzle. Check for damage, debris, and condition of lock wire. | ✓ | | | | | | | |
| 14. Engine Oil Heat Exchanger. Check mounting hardware for tightness. Check for oil leaks. Check electrical leads for damage and tight connections. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 15. Cold-Start Disconnect Lever. Check for proper operation, damage, and corrosion. | ✓ | | | | | | | |
| 16. Hydraulic Reservoir. | ✓ | | | | | | | |
| a. Oil Leaks. | ✓ | | | | | | | |
| b. Mounting Hardware. | ✓ | | | | | | | |
| c. Oil Level. | ✓ | | | | | | | |
| d. Dipstick for damage. | ✓ | | | | | | | |
| VII. Troop Compartment | | | | | | | | |
| NOTE | | | | | | | | |
| Before inspecting troop compartment, open cargo hatches. Sound horn and lower ramp. | | | | | | | | |
| 1. Engine Compartment Access Covers (aft). Check all thumbscrews and clamps for damage and operation. Check covers for correct mating and damage. | ✓ | | | | | | | |
| a. Aft Upper. | ✓ | | | | | | | |
| b. Aft Center. | ✓ | | | | | | | |
| c. Aft Lower. | ✓ | | | | | | | |
| d. Port Upper. | ✓ | | | | | | | |
| e. Port Lower. | ✓ | | | | | | | |
| f. Smoke Generation. | ✓ | | | | | | | |
| 2. Smoke Generation Fuel Control Valve. Check to see if valve operates freely. Check for any damaged components and leaks. | ✓ | | | | | | | |
| 3. Engine Compartment Fire Extinguisher. | | | | | | | | |
| a. Bottle and Tag. | ✓ | | | | | | | |
| b. Control Valve. | ✓ | | | | | | | |
| c. Clamps. | ✓ | | | | | | | |
| 4. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 5. Coolant Bypass Tube. Check to see if tube is mounted properly in retaining brackets. | | ✓ | | | | | | Tube (M) |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 6. Air Cleaner Compartment. | ✓ | | | | | | | |
| a. Access Door. | ✓ | | | | | | | |
| b. Retaining Brackets. | ✓ | | | | | | | |
| c. Element. | ✓ | | | | | | | |
| d. Compartment. | ✓ | | | | | | | |
| 7. Right-Angle Drive Access Cover. Rotate weapon station to gain access to cover. Check cover for proper mating and damage. | ✓ | | | | | | | |
| 8. Starboard Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 9. Starboard Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper lock wire. | ✓ | | | | | | | |
| 10. Fuel Tank Drains. Check both valves for proper operation. Check fuel lines and fittings for leaks. Check manual shutoff valves to make sure the handle rotates freely. | ✓ | | | | | | | |
| a. Internal Fuel Tank Drain. | ✓ | | | | | | | |
| b. External Fuel Tank Drain. | ✓ | | | | | | | |
| c. Fuel Lines and Fittings. | ✓ | | | | | | | |
| d. Manual Shutoff Valve. | ✓ | | | | | | | |
| 11. Fuel Tank. | ✓ | | | | | | | |
| a. Electrical Leads. | ✓ | | | | | | | |
| b. Leaks. | ✓ | | | | | | | |
| c. Retaining Straps. | ✓ | | | | | | | |
| d. Breather Cap. | ✓ | | | | | | | |
| 12. Troop Seats. | | | | | | | | |
| a. Hinges. | ✓ | | | | | | | |
| b. Supports. | ✓ | | | | | | | |
| c. Seat Pans. | ✓ | | | | | | | |
| d. Cushions. | ✓ | | | | | | | |
| e. Safety Belts/Straps. | | ✓ | | | | | | No Seat Belts |
| f. Adjusting Rods. | | ✓ | | | | | | Ⓜ 1 Adjusting Rod |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 13. Interior Stowage. | | | | | | | | |
| a. MG Cleaning Rod Bracket. | ✓ | | | | | | | |
| b. Rifle Brackets. | ✓ | | | | | | | |
| c. Water Can Supports. | | | ✓ | | | | | Support @ 1 Bolt |
| d. Seat Stowage Supports. | ✓ | | | | | | | |
| e. DVE Container. | ✓ | | | | | | | |
| f. Portable Fire Extinguisher Bracket. | ✓ | | | | | | | |
| g. Pamphlet Stowage Rack. | ✓ | | | | | | | |
| h. Ammo Box Bracket. | ✓ | | | | | | | |
| i. Hand Oiler Bracket. | ✓ | | | | | | | |
| j. Tool Box Stowage Support. | ✓ | | | | | | | |
| 14. Power Distribution Box. Check to see if box is securely mounted. Check all electrical connections for tightness. Check cover for tight screws. Check slave output power switch for damage. | | ✓ | | | | | | Cover @ 4 Screws |
| 15. Batteries. | | | | | | | | |
| a. Battery Box Cover. | ✓ | | | | | | | |
| b. Hold-Downs. | ✓ | | | | | | | |
| c. Cables and Terminals. | ✓ | | | | | | | |
| d. Battery and Terminal Posts. | ✓ | | | | | | | |
| e. Battery Box Drains. | ✓ | | | | | | | |
| f. Battery Instruction Plate. | ✓ | | | | | | | |
| 16. Radio Guards. Check guards for damage and loose or missing mounting hardware. | ✓ | | | | | | | |
| 17. Deflector Actuator Guards. Check guards for debris and damage. Check mounting hardware for tightness. | | | ✓ | | | | | |
| a. Port | | ✓ | | | | | | ↓ Mounting Hardware |
| b. Starboard. | | ✓ | | | | | | Mounting Hardware |
| 18. Water Steer System Components. | | | | | | | | |
| a. Water-Jet Deflector Position Sensing Module (port and starboard). | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| b. Water-Jet Deflector Servo Module (port and starboard). | ✓ | | | | | | | |
| c. Water-Jet Deflector Solenoid Module (port and starboard). | ✓ | | | | | | | |
| d. Actuator Cylinders Port and Starboard. | ✓ | | | | | | | |
| e. Actuator Bracket Port and Starboard. | | | ✓ | | | | | STBD Bucket Pivoting Mod ① |
| 19. AFSSS Electrical Components. | | | | | | | | |
| a. Sensors/Control Box. | ✓ | | | | | | | |
| b. Cables. | ✓ | | | | | | | |
| c. Test AFSSS using the test set (Item 4, Table 11-1) (Para. 11-70) | | | | | | | | |
| 20. Dome Lights. Check mounting hardware for tightness. Check for broken or cracked lens and knobs. With master switch ON, check lights for proper operation. | | | ✓ | | | | | AFT Dome Light Not Connected |
| 21. Aft Slave Receptacle. Check cover and chain for damage. Check insert for corrosion and damage. Check electrical lead for damage and loose connections. Check mounting hardware for tightness. | ✓ | | | | | | | |
| 22. Troop Ventilation Outlets. Check for free movement and damaged louvers. | ✓ | | | | | | | |
| 23. Ramp Lock Linkage. Check to see that linkage does not bind. Check for bent or warped linkage rods. | ✓ | | | | | | | |
| 24. Ramp. With ramp lowered, check ramp seal for breaks and spongy condition. | ✓ | | | | | | | |
| a. Ramp Seal. Check mating with hull in closed position. | | | | | | ✓ | | Replace Seal |
| b. Vision Block Cover. | ✓ | | | | | | | |
| c. Skid Bars | ✓ | | | | | | | |
| d. Quick-Release (Visual Only). | ✓ | | | | | | | |
| e. Tow Pintle Release. | ✓ | | | | | | | |
| 25. Deck Plates. | ✓ | | | | | | | |
| a. Deck Plates (port and starboard). | | ✓ | | | | | | Ⓜ All Bolts |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| b. Center Deck Plate. | | ✓ | | | | | | Ⓜ All Bolts |
| c. Contact Cooler Bleeder Valve Access Cover. | | ✓ | | | | | | Ⓜ 4 Bolts |
| d. Bilge Pump Access Cover (port and starboard). | ✓ | | | | | | | |
| e. Tie-Down Rings. | ✓ | | | | | | | |
| NOTE | | | | | | | | |
| Remove troop compartment deck plates before continuing. | | | | | | | | |
| 26. Contact Cooler. Check that bleeder valve is not frozen. Check for signs of leaks. | ✓ | | | | | | | |
| 27. Torsion Bars. Check torsion bars for damage. | ✓ | | | | | | | |
| 28. Ramp Cylinder and Cable. | ✓ | | | | | | | |
| 29. Hydraulic Bilge Pump. | ✓ | | | | | | | |
| a. Bilge Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 30. Electric Bilge Pump. | ✓ | | | | | | | |
| a. Electric Pump. | ✓ | | | | | | | |
| b. Outlet Tube. | ✓ | | | | | | | |
| 31. Bilges. Check for cleanliness and obvious signs of damage. | ✓ | | | | | | | |
| a. Brackets and Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tubs and Nozzles. | ✓ | | | | | | | |
| 32. Fire Extinguisher (17-lb). | ✓ | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tub and Seal. | ✓ | | | | | | | |
| c. Tag Date <u>2005 0205</u> | | | | | | ✓ | | 15 Years Old |
| d. Seal. | ✓ | | | | | | | |
| 33. Personnel Heater. | ✓ | | | | | | | |
| a. Mounts. | ✓ | | | | | | | |
| b. Exhaust System and Cover. | ✓ | | | | | | | |
| c. Electrical Wiring and Switches. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| d. Fuel System. | ✓ | | | | | | | |
| e. Heater Ducts. | ✓ | | | | | | | |
| 34. Port Longitudinal Shaft Cover. Check for damage. Check for loose mounting hardware. | ✓ | | | | | | | |
| 35. Port Longitudinal Shaft. Check shaft for damage and coupling for tight mounting screws and proper lock wire. | ✓ | | | | | | | |
| 36. Radio Mounts. | ✓ | | | | | | | |
| a. Check Mounting Hardware. | ✓ | | | | | | | |
| b. Check Radio Mounts. | ✓ | | | | | | | |
| c. Check Radio Cables. | ✓ | | | | | | | |
| VIII. Driver's and Commander's Station | ✓ | | | | | | | |
| 1. Access Covers. | ✓ | | | | | | | |
| a. Hydrostatic Steer Disconnect Lever. | ✓ | | | | | | | |
| b. Final Drive U-Joint. | ✓ | | | | | | | |
| c. Hydraulic Reservoir. | ✓ | | | | | | | |
| 2. Flapper Valve. Check spring tension flapper. Check mounting screws for tightness and damage to flapper. | ✓ | | | | | | | |
| 3. Fire Extinguisher (7-lb). Check mounting bracket and hardware for tightness. Check tag for date bottle was last weighed. Check wire seat on control head. | ✓ | | | | | | | |
| a. Bracket and Mounting Hardware. | ✓ | | | | | | | |
| b. Tag/Date. | ✓ | | | | | | | |
| c. Wire Seal. | ✓ | | | | | | | |
| 4. Ramp Lock Handle. Check handle and lock for damage and proper operation. | ✓ | | | | | | | |
| 5. Ramp Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |
| 6. Fire Extinguisher Discharge Handle. Check handle for damage and unbroken wire seal. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|---|
| 7. Power Train Switch. Move lever and check for binding. Check bail for damage. | ✓ | | | | | | | |
| 8. Mode Selector Switch. Check for missing or damaged toggle switch. | ✓ | | | | | | | |
| 9. Handle Throttle. Move throttle and check for proper operation. Check linkage and cover for damage. | | | ✓ | | | | | Not Connected |
| 10. Gear Selector. Check console for loose mounting hardware for damage. Check movement of selector through all gear range. | ✓ | | ✓ | | | | | Trunk Staying in Reverse / Only moves to 1st while in Reverse |
| 11. Air Cleaner Restrictor Indicator. Check for proper mounting to bulkhead. Check indicator for damage. | ✓ | | | | | | | |
| 12. Auxiliary Instrument Panel. Check panel for loose mounting hardware. Check that gauges are securely mounted in panel, and that hose connections are tight. | ✓ | | | | | | | |
| 13. Accelerator Pedal. | ✓ | | | | | | | |
| a. Mounting Hardware/Brackets. | ✓ | | | | | | | |
| b. Pedal and Pedal Stop Screw. | ✓ | | | | | | | |
| c. Water Drive Switch. | ✓ | | | | | | | |
| 14. Brake Pedal. Apply and release brakes to check binding. | ✓ | | | | | | | |
| 15. Parking Brake Handle. Check for proper operation. Make sure that parking brake holds and releases properly. | ✓ | | | | | | | |
| 16. Steering Wheel. Check wheel for damage. Check operation of wheel tilt. Check for binding linkage. Check steering wheel sensing module for loose mounting hardware or damaged wiring. | ✓ | | | | | | | |
| a. Steering Wheel. | ✓ | | | | | | | |
| b. Steering Wheel Sensing Module. | ✓ | | | | | | | |
| 17. Indicator Panel. Check mounting hardware and grommets for tightness and damage. Check for loose or damaged switches, lights, and buttons. | ✓ | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| b. Lamp Test/Warning Cancel Switch. | ✓ | | | | | | | |
| c. Horn Button. | ✓ | | | | | | | |
| d. Panel Lights Brt/Dim Switch. | ✓ | | | | | | | |
| e. Cold-Start Switch. | ✓ | | | | | | | |
| f. Starter Button. | ✓ | | | | | | | |
| g. Light Switch. | ✓ | | | | | | | |
| h. TACNAV Indicator. | ✓ | | | | | | | |
| i. Tachometer. | ✓ | | | | | | | |
| j. Speedometer. | ✓ | | | | | | | |
| k. Smoke Generation Indicator Light. | ✓ | | | | | | | |
| l. Smoke Generation Switch. | ✓ | | | | | | | |
| m. Forward Electric Bilge Pump Switch. | ✓ | | | | | | | |
| n. Aft Electric Bilge Pump Switch. | ✓ | | | | | | | |
| o. Aft Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| p. Forward Electric Bilge Pump Indicator Light. | ✓ | | | | | | | |
| q. Aft Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| r. Forward Hydraulic Bilge Pump Indicator Light. | ✓ | | | | | | | |
| s. Ventilation Switch. | ✓ | | | | | | | |
| 18. Driver's Display Unit. Check for cracked glass and moisture. Check that unit is securely mounted in indicator panel. | | | | | | | | |
| NOTE Bar scales and warning lights will be checked during the operational portion of preinduction. | ✓ | | | | | | | |
| 19. Bow Plane Control Valve. Check for damage, loose fittings, leaks, and loose mounting hardware. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 20. Vent Air Outlets. Check driver's and commander's outlets for breaks and cracks. Check to see if outlet rotates freely. Check mounting hardware for tightness. | ✓ | | | | | | | |
| a. Driver's Outlet. | ✓ | | | | | | | |
| b. Commander's Outlet. | ✓ | | | | | | | |
| 21. Vent Air Hoses, Tubes, and Duct. Check for loose clamps and mounting hardware. Check for damaged hoses, tubes, and duct. | ✓ | | | | | | | |
| 22. Bilge Outlet Tube. Check tube for damage, hoses for cracks, and clamps for tightness. | ✓ | | | | | | | |
| 23. Instrument Distribution Box. Check that box is securely mounted, and that cover screws are tight. Check all wiring harness connectors for tightness. | ✓ | | | | | | | |
| 24. Forward Slave Receptacle on Instrument Distribution Box. Check cover and chain for damage. Check receptacle for corrosion and damage. | ✓ | | | | | | | |
| 25. Searchlight Switch. Check for damage and operation. | ✓ | | | | | | | |
| 26. Ventilation Air Outlet Valve. Check for loose mounting hardware and damaged cable and handle with ball. Open and close outlet and check for binding linkage. | ✓ | | | | | | | |
| 27. Data Plates. Check for damage. | ✓ | | | | | | | |
| 28. Manual Fuel Shutoff Handle. Check shaft for damage and grommets for wear. Rotate handle to check for free operation. | ✓ | | | | | | | |
| 29. Driver's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |
| 30. Troop Commander's Seat. Check seat adjustments for proper operation. Check mounting hardware and brackets for damage and tightness. Check seat supports, pan, belt and cushions for damage. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|--|--------------|---------|---------|--------|--------|---------|--------|--|
| 31. Interior Decals and Instruction Plates. Check to see that they are readable. | ✓ | | | | | | | |
| 32. Fire Extinguishers (MFSS and AFSS). | | | | | | | | |
| NOTE | | | | | | | | |
| At this time, all fire-suppression system bottles are to be pulled and weighed. | ✓ | | | | | | | |
| a. Mounting Hardware. | ✓ | | | | | | | |
| b. Discharge Tube and Seal. | ✓ | | | | | | | |
| c. Tag Date. | | ✓ | | | | | | No Date |
| d. Seal. | ✓ | | | | | | | |
| 33. Drive Shaft Guards. Check guards for damage and mounting hardware for tightness. | ✓ | | | | | | | |
| IX. Equipment Operation | | | | | | | | |
| 1. Start vehicle, check operation of the following: | ✓ | | | | | | | |
| a. Master Switch. | ✓ | | | | | | | |
| b. Horn. | ✓ | | | | | | | |
| c. Fuel Level Indicator. | ✓ | | | | | | | |
| d. Battery Generator Indicator. | ✓ | | | | | | | |
| e. Electric Bilge Pumps (Forward and Aft). | ✓ | | | | | | | |
| f. Panel Lights (Brt/Dim). | ✓ | | | | | | | |
| g. Display Panel Warning Lights. | ✓ | | | | | | | |
| h. Vent Switch Low Position. | ✓ | | | | | | | |
| 2. Perform Diagnostic Test Equipment checks IAW TM 07007/07267/07268-25/1 (see worksheet at the end of this Appendix). | | | | | | | | |
| 3. Vehicle Stall Check. With brakes locked, and gear selector in 4th gear, accelerate fully and check the following: | ✓ | | | | | | | |
| a. Brakes. | ✓ | | | | | | | |
| b. Transmission. | ✓ | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| c. Engine RPM. | ✓ | | | | | | | 2250 RPM |
| d. TACNAV Indicator. Check that system powers and display works. | ✓ | | | | | | | |
| 4. Lights. Check that lights work properly. | | | | | | | | |
| a. Light Switch. | ✓ | | | | | | | |
| b. Service Drive. | ✓ | | | | | | | |
| c. Dimmer Switch. | ✓ | | | | | | | |
| d. Blackout Markers. | ✓ | | | | | | | |
| e. Stop Light. | ✓ | | | | | | | |
| f. Park. | ✓ | | | | | | | |
| g. Searchlight. | ✓ | | | | | | | |
| h. Interior Dome Lights. | ✓ | | | | | | | |
| 5. Driver's Viewer Enhancer (DVE). Check that power system works. | | | | | | | | |
| 6. Lamp Test/Warning Cancel Switch. Check audio signal with proper comm helmet. | ✓ | | | | | | | |
| X. Functional Road Test | | | | | | | | |
| 1. Steering. Check operation and drift. | | | | | | | | |
| 2. Gear Ranges. Check for slippage and that lockup works properly. | | | | | | | | |
| 3. Smoke Generation. Check for correct operation. | | | | | | | | |
| 4. Brakes. Check to see if brakes pull to one side or the other. | | | | | | | | |
| 5. Speedometer. Check for correct operation. | | | | | | | | |
| 6. Noises. Check for any unusual noises. | | | | | | | | |
| XI. Water Systems Test | | | | | | | | |
| 1. Plenums. Check that plenums close completely. Fan shuts off. (Para. 8-13) | ✓ | | | | | | | |
| 2. Check if hydraulic bilge pumps operation. | | | | | | | | |
| 3. Check if electric bilge pumps operate. | ✓ | | | | | | | |
| 4. Check that jet drive activates at 1000 to 1200 RPM. | | | | | | | | |

Table E-1. AAV7A1 Limited Technical Inspection — Continued

| NOMENCLATURE/LOCATION | Satisfactory | Missing | Service | Adjust | Repair | Replace | Modify | Remarks MUST be included if unserviceable. |
|---|--------------|---------|---------|--------|--------|---------|--------|--|
| 5. Bow Plane Operation. | | | | | | | | |
| a. Control Valve. Check for proper operation and leaks. | ✓ | | | | | | | |
| b. Bow Plane. Check that it fully extends and retracts. | ✓ | | | | | | | |
| c. Pivot Actuator. Check for leaks, unusual noise and smooth operation. | ✓ | | | | | | | |

NOTE

See TM 07007/07267/07268-25/1 for LTI of UGWS-Unique Items.

See TM 07267C-25/1 for LTI of AAVR7A1-Unique Items.

See TM 07268C-25/1 for LTI of AAVC7A1-Unique Items.

Ramp Seal Leaked on Dunk Test
 All Suspension Rusty & Chipped Paint
 3 Roadwheels Extremely Cracked
 A lot of Sand in Hull & on top of Track

Ⓜ 26 Port Inner Track Pads

Ⓜ 22 STBD Inner Track Pads

Ⓜ 9 Total Track Shroud Bolts

Ⓜ All Deck Plate Bolts

STBD Track Adjuster - Rust on Chrome

TC Hatch Seal Ⓢ

STBD TBAM Mount Loose

Fire Extinguishers Ⓜ Dates or Expired

Handle Throttle not Connected

Gear Selector Has Trouble Staying in Reverse

STBD Bucket Pivoting Rod Ⓢ

No Seat Belts

Bench Seat Ⓜ Adjusting Rod

Water/POL Jig Rack Ⓜ Hardware

Water Belt Loose
 Generator Belt Loose
 Tranny Oil too Full
 Pre-Cleaner Needs PMing
 DVE Plug Holder Loose
 Searchlight Rec. Ⓜ Cap & Chain

Pop LTI Comm

AAVP7A1 LTI DATED 2019 FEB 26

SF# _____ USMC# 522656 DATE 2020/1/23

TECHNICIAN

(b)(3), (b)(6), (b)(7)(c)

| NOMEN | ON HAND | VERSION | SERIAL | NOMEN | ON-HAND | SERIAL |
|-------|-------------------------------------|--|---------|--------------|-------------------------------------|--|
| AUX 1 | <input checked="" type="radio"/> IN | B C <input checked="" type="radio"/> F | 014410 | AM-7162 | <input checked="" type="radio"/> IN | 0403 |
| RT 1 | <input checked="" type="radio"/> IN | B C <input checked="" type="radio"/> F | 041828 | C-11133 dvr | <input checked="" type="radio"/> IN | 558 |
| MOUNT | <input checked="" type="radio"/> IN | B <input checked="" type="radio"/> E | 005864C | C-11133 TC | <input checked="" type="radio"/> IN | 00460 |
| AMP | <input checked="" type="radio"/> IN | A <input checked="" type="radio"/> B | 012871 | C-11133 VC | <input checked="" type="radio"/> IN | A4101 |
| W-4 | <input checked="" type="radio"/> IN | N/A | N/A | C-11133 agnr | <input checked="" type="radio"/> IN | A0996 |
| W-4 | <input checked="" type="radio"/> IN | N/A | N/A | C-11135 aft | <input checked="" type="radio"/> IN | 248 |
| W-2 | <input checked="" type="radio"/> IN | N/A | N/A | C-11291 TC | <input checked="" type="radio"/> IN | 015520AA |
| AUX 2 | <input checked="" type="radio"/> IN | B C <input checked="" type="radio"/> F | 133562 | C-11291 VC | <input checked="" type="radio"/> IN | 005615AA |
| RT 2 | <input checked="" type="radio"/> IN | B C <input checked="" type="radio"/> F | 094866 | LS-671 | <input checked="" type="radio"/> IN | 045394AA |
| MOUNT | <input checked="" type="radio"/> IN | B C <input checked="" type="radio"/> F | 180577 | AS-3916 | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> collect N/A |
| AMP | <input checked="" type="radio"/> IN | A <input checked="" type="radio"/> B | 014700 | AS-3916 | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> collect N/A |
| W-4 | <input checked="" type="radio"/> IN | N/A | N/A | AS-3916 | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> collect N/A |
| W-4 | <input checked="" type="radio"/> IN | N/A | N/A | AS-3916 | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> collect N/A |
| W-2 | <input checked="" type="radio"/> IN | N/A | N/A | H-250 | <input checked="" type="radio"/> IN | N/A |

VIC 2 PERFORMANCE CHECKS

| POSITION | ALL | RT-1 | INT | AUX-1 | RT-2/AUX-2 | MOUNTED | REMARKS |
|------------|---|---|---|---|---|-------------------------------------|--------------------------|
| DRIVER | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> IN | |
| TROOP CMDR | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> IN | switch loose/bad |
| AFT | <input checked="" type="radio"/> GOOD BAD | GOOD BAD | <input checked="" type="radio"/> GOOD BAD | N/A | N/A | <input checked="" type="radio"/> IN | |
| VEH CMDR | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> IN | |
| AGNR | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | GOOD <input checked="" type="radio"/> BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> GOOD BAD | <input checked="" type="radio"/> IN | can't receive int or net |

| C-11291 OP CHECKS | MOUNTED | LS-671 OP CHECKS | REMARKS |
|-------------------|------------|------------------|-------------------------------------|
| TCC-11291 | GOOD BAD | PWR UP | <input checked="" type="radio"/> IN |
| VCC-11291 | GOOD BAD | MOUNTED | <input checked="" type="radio"/> IN |
| | | KEYS RT-1 | <input checked="" type="radio"/> IN |
| | | | LS incp. spkn no work |

JBC-P INVENTORY AND PERFORMANCE CHECKS

| ITEMS | ON-HAND | PWRS UP | SERIAL | REMARKS |
|-----------|-------------------------------------|-------------------------------------|------------|---|
| DISPLAY | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> IN | MDIA010474 | Set 011-0783 NOTM box <input checked="" type="radio"/> glass suceptable to water damage NO HD KGV unsecured, JBCP unsecured Need 2 locks LINK ESTABLISHED: <input checked="" type="radio"/> IN |
| KEYBOARD | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> IN | MRIA010501 | |
| PROCESSOR | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> IN | MPIC001616 | |
| DAGR | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> IN | 516845 | |
| SSD | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> IN | | |
| KGV-72 | <input checked="" type="radio"/> IN | <input checked="" type="radio"/> IN | 047951 | |

| RADIO CHECKS | FREQS | FREQ DEV(±.002) | HI / PA PWR OUTS (3W+/30W-) | VSWR (≤3:1) | REMARKS |
|--------------|--------|-----------------|-----------------------------|-------------|---------|
| AUX 1 | 41.000 | | | | |
| AUX 1 | 54.000 | | | | |
| AUX 1 | 75.000 | | | | |
| RT 1 | 41.000 | | | | |
| RT 1 | 54.000 | | | | |
| RT 1 | 75.000 | | | | |
| AUX 2 | 41.000 | | | | |
| AUX 2 | 54.000 | | | | |
| AUX 2 | 75.000 | | | | |
| RT 2 | 41.000 | | | | |
| RT 2 | 54.000 | | | | |
| RT 2 | 75.000 | | | | |

P/C incorr

rear port antenna hook
Puck in atty needs weld

ENCLOSURE (GO)

bottom stack unsecured: no L side mount, no lock
bottom stack ☒ thumb screws antennas no collet belts: ☒ 4
1 base helmet, 1 cve no mic
☒ video scout feed

@2117G

POK L12 PLSCREPS

- has 1 bose helmet, 1 cve w/ m mic
- 4 antennas missing collet bolts
- m H-250
- TC c box switch loose
- Agnr C box cannot hear but can talk
- Loud speaker inop
- JBCP doesn't have hard drive, KGV, B JBCP unsecure (need 2 locks)
- NOTM box m glass, susceptible to water/impact damage
- P/c incorrect, need to add 2 c boxes
- rear port antenna hockey pack mount snapped, needs to be welded/mounted
- m 2 117 G's for NOTM stack
- bottom stack need locking bars & lock^{thru} scre^{ws}
- m video scout feed (NOTM)

From: (b)(3), (b)(6), (b)(7)(c)
Sent: Monday, September 21, 2020 10:18 AM
To: (b)(3), (b)(6), (b)(7)(c)
Subject: FW: 15th MEU AAV Plt Gunnery
Attachments: 15th MEU Gunnery.pdf

From: (b)(3), (b)(6), (b)(7)(c)
Sent: Monday, September 21, 2020 10:11 AM
To: (b)(3), (b)(6), (b)(7)(c)
Subject: FW: 15th MEU AAV Plt Gunnery

From: (b)(3), (b)(6), (b)(7)(c)
Sent: Wednesday, August 12, 2020 3:33 PM
To:
Cc: (b)(3), (b)(6), (b)(7)(c)
Subject: 15th MEU Gunnery

Sir,

Attached is the GST tracker and Table VI rollups from the 15th MEU gunnery conducted 12-16 Feb at Range 222 (b)(3), (b)(6), (b)(7)(c)
(b)(3), (b)(6), (b)(7)(c) was the Master Gunner for this range. Seven of their crews were qualified on Table VI.

The 15th MEU scheduled a range to finish their Table VI qualification and conduct Table IX from 10-14 Jun, these ranges were cancelled due to the fires aboard Camp Pendleton.

They then scheduled R-408A from 10-12 July to complete their qualifications. All of their products and confirmation brief were conducted through the BLT and there was nothing ran through 3DAABn. I received texts from the Plt Sgt asking for Master Gunner support for this range. When I arrived at the range to conduct their training, they were changing and assigning Marines to new crews on the range. The majority of the Marines I had contact with at that range did not know what vehicle or crew they were part of. I informed the Plt Commander and Plt Sgt the only way I would conduct Table VI qualifications was if the crews were the same as they were when they conducted their GST and prerequisite training, as changing crews at that point would cause all of their crews to be newly formed crews, not turbulent since they only had seven qualified crews. The reply to this was "we are chopped, so that doesn't matter." They decided that their priority was getting gunners familiarity with firing because they had a live-fire event with the BLT a few days later. I stayed and assisted in their range for 3DAABn oversight and safety purposes while the five newly formed crews conducted live-fire for practice, and trained our newly graduated master gunner (b)(3), (b)(6), (b)(7)(c) during their practice.

(b)(3), (b)(6), (b)(7)(c)

[illegible]

ENCLOSURE (c)

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | |
|-------------------------------------|--|--|--|
| 1. BUMPER NUMBER 3 15 01 | 2. VEHICLE PLATFORM MVP7A1 | 3. UNIT 317 AABN | 4. DATE 20200215 |
| 5a. VEHICLE COMMANDER RANK AND NAME | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) |
| 6a. SIMULATOR TYPE | d. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | e. VIRTUAL GATE-TO-LIVE-FIRE DATE | d. VIRTUAL GATE-TO-LIVE SCORE |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|--|----------------------|---------------------|------------------------------------|---|------------------------------|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREECH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 89 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 86 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 5 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 75 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| D | 7 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 33 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| N | 10 | 91 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 650 | c. | d. POINTS/ QUALIFIED 617 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 224 | c. | d. POINTS/ QUALIFIED 213 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL | | 874 | | b. POINTS/ QUALIFIED 810 | c. | d. | e. | f. | g. | |
| 13. RATING (Check one) <input type="checkbox"/> DISTINGUISHED <input checked="" type="checkbox"/> SUPERIOR <input type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | 15. VEH SIGNATURE (DAY) | | | | | |
| 14. VEHICLE COMMANDER SIGNATURE (DAY) | | | | | 16. VEH SIGNATURE (NIGHT) | | | | | |
| 16. (b)(3), (b)(6), (b)(7)(c) | | | | | 17. VEH SIGNATURE (OBSOLETE) | | | | | |

ENCLOSURE (4)

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|
| 1. BUMPER NUMBER 3 15 02 | | 2. VEHICLE PLATFORM AAVP7A1 | | 3. UNIT 3D AABN | | 4. DATE 20200215 | |
| 5a. VEHICLE COMMANDER RANK AND NAME | | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | |
| 6a. SIMULATOR TYPE | | b. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | | c. VIRTUAL GATE-TO-LIVE-FIRE DATE | | d. VIRTUAL GATE-TO-LIVE SCORE | |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|--|----------------------|---------------------|------------------------------------|---|---------------------------|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREACH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 79 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 90 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 90 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 5 | 93 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 75 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| D | 7 | 97 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 99 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 47 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| N | 10 | 47 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 624 | c. | d. POINTS/ QUALIFIED 617 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 193 | c. | d. POINTS/ QUALIFIED 113 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL | | 817 | | b. POINTS/ QUALIFIED 7110 | c. | d. | e. | f. | g. | |
| 13. RATING (Check one) | | | | | ME/SIGNATURE (DAY) | | | | | |
| <input type="checkbox"/> DISTINGUISHED <input type="checkbox"/> SUPERIOR <input checked="" type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | ME/SIGNATURE (NIGHT) | | | | | |
| VEHICLE COMMANDER SIGNATURE (DAY) | | | | | | | | | | |
| (b)(3), (b)(6), (b)(7)(c) | | | | | (b)(3), (b)(6), (b)(7)(c) | | | | | |

ENCLOSURE (C)

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | |
|-------------------------------------|--|--|--|
| 1. BUMPER NUMBER 3 15 03 | 2. VEHICLE PLATFORM ANVT 7A1 | 3. UNIT 3D AAGN | 4. DATE 20200215 |
| 5a. VEHICLE COMMANDER RANK AND NAME | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) |
| 6a. SIMULATOR TYPE | b. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | c. VIRTUAL GATE-TO-LIVE-FIRE DATE | d. VIRTUAL GATE-TO-LIVE SCORE |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|--|----------------------|---------------------|------------------------------------|---|--|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREECH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 90 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 92 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 92 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 5 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 91 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 7 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 52 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| N | 10 | 97 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 665 | c. | d. POINTS/QUALIFIED 717 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 249 | c. | d. POINTS/QUALIFIED 213 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL | | 914 | | b. POINTS/QUALIFIED 910 | c. | d. | e. | f. | g. | |
| 13. RATING (Check one) | | | | | 15. EVALUATOR PRINTED NAME/SIGNATURE (DAY) | | | | | |
| <input checked="" type="checkbox"/> DISTINGUISHED <input type="checkbox"/> SUPERIOR <input type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | 17. EVALUATOR PRINTED NAME/SIGNATURE (NIGHT) | | | | | |
| (b)(3), (b)(6), (b)(7)(c) | | | | | (b)(3), (b)(6), (b)(7)(c) | | | | | |

DITIONS ARE OBSOLETE

ENCLOSURE (4)

DA FORM 2500-1

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | | | | | |
|-------------------------------------|--|---|--|---|--|---|--|
| 1. BUMPER NUMBER 3 15 04 | | 2. VEHICLE PLATFORM AAV7A1 | | 3. UNIT 3D AARN | | 4. DATE 20070215 | |
| 5a. VEHICLE COMMANDER RANK AND NAME | | 6. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | |
| 6a. SIMULATOR TYPE | | b. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | | c. VIRTUAL GATE-TO-LIVE-FIRE DATE | | d. VIRTUAL GATE-TO-LIVE SCORE | |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|---|----------------------|---------------------|------------------------------------|---|---------------------------------|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREACH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 94 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 97 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 5 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 95 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 7 | 93 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 76 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 10 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 679 | c. | d. POINTS/QUALIFIED 717 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 276 | c. | d. POINTS/QUALIFIED 313 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL | | 955 | | b. POINTS/QUALIFIED 1010 | c. | d. | e. | f. | g. | |
| 13. RATING (Check one) <input checked="" type="checkbox"/> DISTINGUISHED <input type="checkbox"/> SUPERIOR <input type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | 15. V | | | | | 17. V |
| 14. VEHICLE COMMANDER SIGNATURE (DAY) | | | | | 16. V | | | | | |
| 16. V (b)(3), (b)(6), (b)(7)(c) | | | | | 17. V (b)(3), (b)(6), (b)(7)(c) | | | | | |

IONS ARE OBSOLETE

ENCLOSURE (4)

DA FORM 8200-1, MAR 2000

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|
| 1. BUMPER NUMBER 3 15 05 | | 2. VEHICLE PLATFORM AAVP-7A1 | | 3. UNIT 3D AABN | | 4. DATE 20200215 | |
| 5a. VEHICLE COMMANDER RANK AND NAME | | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | |
| 6a. SIMULATOR TYPE | | VIRTUAL GATE-TO-LIVE-FIRE LEVEL | | c. VIRTUAL GATE-TO-LIVE-FIRE DATE | | d. VIRTUAL GATE-TO-LIVE SCORE | |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|------------------------|----------------------|---------------------|------------------------------------|---|-------------------|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREECH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 99 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 98 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 5 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 50 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| D | 7 | 70 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 0 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| N | 9 | 93 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 10 | 0 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 617 | c. | d. POINTS/QUALIFIED 617 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 93 | c. | d. POINTS/QUALIFIED 113 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL 710 | | | | b. POINTS/QUALIFIED 710 | c. | d. | e. | f. | g. | |

☐ DISTINGUISHED
 ☐ SUPERIOR
 ☐ QUALIFIED
 ☐ UNQUALIFIED
 ☒ REFIRE (Q2)

| | |
|---------|-----------------------|
| 15. VEH | AME/SIGNATURE (DAY) |
| 17. VEH | AME/SIGNATURE (NIGHT) |

(b)(3), (b)(6), (b)(7)(c)

(b)(3), (b)(6), (b)(7)(c)

ONS ARE OBSOLETE

ENCLOSURE (6)

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | |
|-------------------------------------|--|--|--|
| 1. BUMPER NUMBER 31508 | 2. VEHICLE PLATFORM LAVERA | 3. UNIT 3D AAGN | 4. DATE 20200215 |
| 5a. VEHICLE COMMANDER RANK AND NAME | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) |
| 6a. SIMULATOR TYPE | b. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | c. VIRTUAL GATE-TO-LIVE-FIRE DATE | d. VIRTUAL GATE-TO-LIVE SCORE |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|---|----------------------|---------------------|------------------------------------|---|-----------------------------|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREECH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 90 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 86 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 50 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| D | 5 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 50 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| D | 7 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 95 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 10 | 97 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 576 | c. | d. POINTS/QUALIFIED 517 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 292 | c. | d. POINTS/QUALIFIED 313 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL | | b. 868 | c. | d. POINTS/QUALIFIED 8110 | e. | f. | g. | | | |
| 13. RATING (Check one) <input type="checkbox"/> DISTINGUISHED <input checked="" type="checkbox"/> SUPERIOR <input type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | 15. VEHIC SIGNATURE (DAY) | | | | | |
| 14. VEHIC SIGNATURE (DAY) | | | | | 17. VEHIC SIGNATURE (NIGHT) | | | | | |
| 16. VEHIC (b)(3), (b)(6), (b)(7)(c) | | | | | | | | | | |

PREVIOUS EDITIONS ARE OBSOLETE

ENCLOSURE (4)

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | |
|-------------------------------------|--|--|--|
| 1. BUMPER NUMBER 31509 | 2. VEHICLE PLATFORM 22.000 | 3. UNIT 30 100N | 4. DATE 20200215 |
| 5a. VEHICLE COMMANDER RANK AND NAME | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) |
| 6a. SIMULATOR TYPE | e. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | f. VIRTUAL GATE-TO-LIVE-FIRE DATE (b)(3), (b)(6), (b)(7)(c) | g. VIRTUAL GATE-TO-LIVE SCORE (b)(3), (b)(6), (b)(7)(c) |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|---|----------------------|---------------------|------------------------------------|---|---|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREECH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 77 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 94 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 5 | 93 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 86 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 7 | 99 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 89 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 50 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| N | 10 | 97 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | b. 649 | c. | d. POINTS/ QUALIFIED 717 | e. | f. | g. | h. | i. | | |
| 11a. NIGHT RUN TOTAL | b. 236 | c. | d. POINTS/ QUALIFIED 213 | e. | f. | g. | h. | i. | | |
| 12a. OVERALL TOTAL | b. 885 | c. | d. POINTS/ QUALIFIED 910 | e. | f. | g. | h. | i. | | |
| 13. RATING (Check one) <input type="checkbox"/> DISTINGUISHED <input checked="" type="checkbox"/> SUPERIOR <input type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | | | | | | |
| 14. VEHICLE COMMANDER SIGNATURE (DAY) | | | | | 15. VEHICLE COMMANDER SIGNATURE (NIGHT) | | | | | |
| 16. (b)(3), (b)(6), (b)(7)(c) | | | | | 17. VEHICLE COMMANDER SIGNATURE (NIGHT) | | | | | |

NS ARE OBSOLETE

ENCLOSURE (4)

DA FORM 8200-1, MAR 2001

COMMON CREW ROLL-UP

For use of this form see TC 3-20.31; the proponent agency is TRADOC.

| | | | |
|-------------------------------------|--|--|--|
| 1. BUMPER NUMBER 3 B 10 | 2. VEHICLE PLATFORM AAV7A1 | 3. UNIT 3D AABN | 4. DATE 20200215 |
| 5a. VEHICLE COMMANDER RANK AND NAME | b. GUNNER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | c. DRIVER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) | d. LOADER RANK AND NAME (b)(3), (b)(6), (b)(7)(c) |
| 6a. SIMULATOR TYPE | b. VIRTUAL GATE-TO-LIVE-FIRE LEVEL | c. VIRTUAL GATE-TO-LIVE-FIRE DATE | SCORE |

| 7. SCORING DATA | | | | | 8. MALFUNCTIONS | | | | | 9. REMARKS |
|--|----------------------|---------------------|------------------------------------|---|----------------------------|-------------------|-----------------|------------------|-------------------------|------------|
| a. DAY/NIGHT | b. ENGAGEMENT NUMBER | c. ENGAGEMENT SCORE | d. VALUE OF 5-PT PENALTIES ALLOWED | e. QUALIFIED YES/NO | a. BREACH UP (BU) | b. CASE BASE (CB) | c. MISFIRE (MF) | d. STOPPAGE (ST) | e. THERMAL FAILURE (TF) | |
| D | 1 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 2 | 73 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 3 | 85 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 4 | 0 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| D | 5 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 6 | 91 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| D | 7 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 8 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| N | 9 | 36 | | <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | | | | | |
| N | 10 | 100 | | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | | | | | |
| 10a. DAY RUN TOTAL | | b. 549 | c. | d. POINTS/QUALIFIED 617 | e. | f. | g. | h. | i. | |
| 11a. NIGHT RUN TOTAL | | b. 236 | c. | d. POINTS/QUALIFIED 213 | e. | f. | g. | h. | i. | |
| 12a. OVERALL TOTAL | | 785 | | | b. POINTS/QUALIFIED 810 | c. | d. | e. | f. | g. |
| 13. RATING (Check one) <input type="checkbox"/> SUPERIOR <input checked="" type="checkbox"/> QUALIFIED <input type="checkbox"/> UNQUALIFIED <input type="checkbox"/> REFIRE (Q2) | | | | | 15. NAME/SIGNATURE (DAY) | | | | | |
| 14. VEHICLE COMMANDER SIGNATURE | | | | | 17. NAME/SIGNATURE (NIGHT) | | | | | |
| 16. VEHICLE COMMANDER SIGNATURE | | | | | | | | | | |

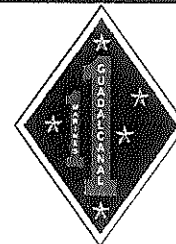
(b)(3), (b)(6), (b)(7)(c)

(b)(3), (b)(6), (b)(7)(c)

CTIONS ARE OBSOLETE

DA FORM 8265-1, MAR 2015

ENCLOSURE (4)



1st Marine Regiment

Table 3-6

Confirmation Brief

Range 215A & 212 Complex
13-14 & 16 January 2020

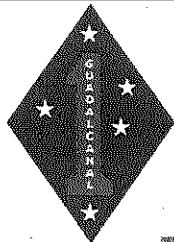
ENCLOSURE (2)

Orientation



ENCLOSURE (2)

1/10/20



Orientation: Weather



| Weather | |
|---------------|--------|
| 13 January | |
| Mon | |
| Day | 63 deg |
| Precipitation | 10% |
| Night | |
| Precipitation | 10% |
| 14 January | |
| Tue | |
| Day | 63 deg |
| Precipitation | 10% |
| Night | |
| Precipitation | 10% |
| 16 January | |
| Thur | |
| Day | 62 deg |
| Precipitation | 10% |
| Night | |
| Precipitation | 40% |

| Astronomical Data | |
|--------------------|------|
| 13 January | |
| Mon | |
| Sunset | 1703 |
| End civil twilight | 1824 |
| Moon (90% illum) | |
| Moon transit | 0224 |
| Moon set | 0918 |
| 14 January | |
| Tue | |
| Sunset | 1703 |
| End civil twilight | 1824 |
| Moon (82% illum) | |
| Moon transit | 0319 |
| Moon Set | 0957 |
| 15 January | |
| Thur | |
| Sunset | 1703 |
| End civil twilight | 1824 |
| Moon (61% illum) | |
| Moon Transit | 0501 |
| Moon Set | 2309 |

ENCLOSURE (2)



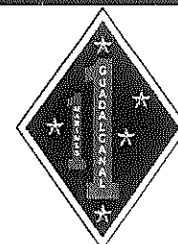
Situation

- In preparation for Native Furry, Headquarters Company and Marines from Major Subordinate Elements conduct training in accordance with the Pre-deployment Training Plan, in order to ensure 100% completion of deployment training requirements.

ENCLOSURE (2)

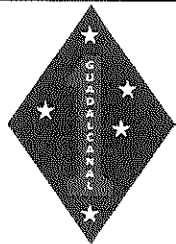


Range 215A – HQ CO BZO & Tables 3-6

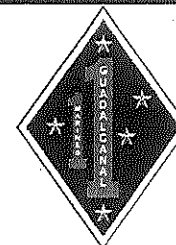


| Mission | Safety Personnel | <p>UKO Target Points</p> <p>25 m CMP</p> <p>Firing Line</p> <p>Range 215A</p> <p>Ammo Distribution Point</p> <p>Bivouac Site</p> <p>PSOs Day: 1:4 Night: 1:2</p> |
|--|---|--|
| <p>On 13-14 Jan HQ CO and MSE's will conduct a battle sight zero (BZO) and Tables 3-6 IOT meet PTP requirements for Native Fury.</p> | <p>13 Jan OIC (ar Reg) RS (1stMar Reg)</p> <p>14 Jan OIC (b)(3), (b)(6), (b)(7)(c) ia 1/11 RS (India 1/11)</p> | |
| Equipment | Unit Training | |
| <p>1 HMMWV— Safety Vehicle 1 HMMWV—TSD target pickup Chow: MREs 1 PRC-152 10 PRC-153 193,200 – A059 – 5.56mm Ball</p> | <p>HQCO will be unit training on 13 Jan 1/11 will be unit training on 14 Jan</p> | |
| Phase I | Phase II | Phase III |
| Planning & Prep (06 Jan – 10 Jan) | Execution (13-14 Jan) | Ammo Watch and Mvmnt to R212 (14-16 Jan) |
| <p>Begins: Confirmation Brief (01/09) Ends: Range Set Up Complete and Marines arrive (NLT 0700 on 01/13)</p> <p>Key Events:</p> <ol style="list-style-type: none"> 1. Collimate/LBS at Armory on 01/10 2. LTI/PFI complete 01/10 3. RSO has occupied R215A: 0530 01/13 4. Ammo drop off R215A: 0600 01/13 5. PSO Brief: 0630 01/13 6. Range set up by 0630 01/13 7. Marines arrive NLT 0700 for safety brief | <p>Begins: Safety Brief (01/13) Ends: Range cold on 2359, 01/14</p> <p>Key Events:</p> <ol style="list-style-type: none"> 1. RSO Safety Brief 2. CASEVAC Rehearsal 3. BZO 4. Tables 3-6 | <p>Begins: Range Cold 2359, 01/14 Ends: Mvmnt to R212 0530, 01/16</p> <p>Key Events:</p> <ol style="list-style-type: none"> 1. Safety structure maintained 2. Ammo watch maintained 3. Police call. Range inspector. 4. Personnel and gear accountability |

ENCLOSURE (2)

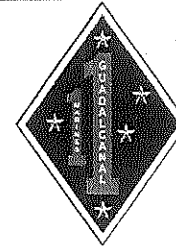
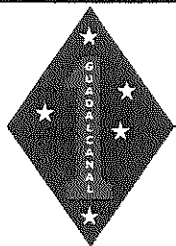


Range 212 Complex – HQ CO BZO & Tables 3-6



| | | |
|--|--|---|
| Mission On 16 Jan HQ CO and MSE's will conduct a battle sight zero (BZO) and Tables 3-6 IOT meet PTP requirements for Native Fury. | Safety Personnel 16 Jan: OIC: RSO (b)(3), (b)(6), (b)(7)(c) 1stMarReg) | |
| Equipment 1 HMMWV– Safety Vehicle Chow: MREs 1 PRC-152 10 PRC-153 193,200 – A059 – 5.56mm Ball | Unit Training -AAVs will be primary unit training on 16 Jan -HQCO and MSEs stragglers and remediation | |
| Phase III Ammo Watch and Mvmnt to R212 (14-16 Jan) | Phase IV Execution (16 Jan) | Phase V Retrograde/Follow on Actions (16-17 Jan) |
| Begins: Range Cold 2359, 01/14 Ends: Mvmnt to R212 0530, 01/16 Key Events: <ol style="list-style-type: none"> 1. Safety structure maintained 2. Ammo watch maintained 3. Police call. Range inspector. 4. Personnel and gear accountability | Begins: Safety Brief (0700 on 01/16) Ends: Range cold on 2359, 01/16 Key Events: <ol style="list-style-type: none"> 1. RSO Safety Brief ① 2. CASEVAC Rehearsal ② 3. BZO ③ 4. Tables 3-6 ④ | Begins: Range Cold. Ends: Range Cleared by Longrifle Key Events: <ol style="list-style-type: none"> 1. Remediation if necessary 2. Police call. Range inspector. 3. Personnel and gear accountability 4. Weapons Maintenance |

ENCLOSURE (6)



R215A - Timeline

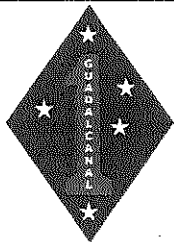
| Date | Time | Event | Location | POC |
|--------|-----------|--|--------------|---------------------------|
| 10 Jan | 0800-1600 | LBS/ collimate | HQCO Armory | |
| 13 Jan | 0500 | Trip Safety | Motor Pool | |
| 13 Jan | 0600 | Ammo Pick up | ASP | |
| 13 Jan | 0700 | Safety vic arrive/Ammo drop off | R215A | |
| 13 Jan | 0630 | Working Party range set up | R215A | |
| 13 Jan | 0630 | PSO brief | R215A | |
| 13 Jan | NLT 0700 | Marines arrive | R215A | |
| 13 Jan | 0700 | Safety Brief/Rehearsal/PCC/PCI | R215A | |
| 13 Jan | 0730 | Range Hot | R215A | |
| 13 Jan | 0730 | Conduct Tables 3 & 5 | R215A | |
| 13 Jan | 1700 | Night Safety Brief/Rehearsal/PCC/PCI | R215A | |
| 13 Jan | 1730 | Conduct Tables 4 & 6 | R215A | |
| 13 Jan | 2359 | Range Cold. Police Call. Marines depart. | R215A | (b)(3), (b)(6), (b)(7)(c) |
| 14 Jan | 0630 | PSO brief | R215A | |
| 14 Jan | NLT 0700 | Marines arrive | R215A | |
| 14 Jan | 0700 | Safety Brief/Rehearsal/PCC/PCI | R215A | |
| 14 Jan | 0730 | Range Hot | R215A | |
| 14 Jan | 0730 | Conduct Tables 3 & 5 | R215A | |
| 14 Jan | 1700 | Night Safety Brief/Rehearsal/PCC/PCI | R215A | |
| 14 Jan | 1730 | Conduct Tables 4 & 6 | R215A | |
| 14 Jan | 2359 | Range Cold. Police Call. Marines depart. | R215A | |
| 14 Jan | 2359 | Range Cold. Police Call. Marines depart. | R215A | |
| 15 Jan | 0000-2359 | Ammo Watch Est. (Range occupied by 1st Maint Bn) | R215A | |
| 16 Jan | 0500 | Movement to R212 | R215A → R212 | |

ENCLOSURE (6)

R212 - Timeline

| Date | Time | Event | Location | POC |
|--------|-----------|--|----------|---------------------------|
| 16 Jan | 0500 | Movement to R212 | R212 | |
| 16 Jan | 0530 | Safety vic arrive/Ammo drop off | R212 | |
| 16 Jan | 0630 | Working Party range set up | R212 | |
| 16 Jan | 0630 | PSO brief | R212 | |
| 16 Jan | NLT 0700 | Marines arrive | R212 | |
| 16 Jan | 0700 | Safety Brief/Rehearsal/PCC/PCI | R212 | |
| 16 Jan | 0730 | Range Hot | R212 | |
| 16 Jan | 0730 | Conduct Tables 3 & 5 | R212 | |
| 16 Jan | 1700 | Night Safety Brief/Rehearsals/PCC/PCI | R212 | (b)(3), (b)(6), (b)(7)(c) |
| 16 Jan | 1730 | Conduct Tables 4 & 6 | R212 | |
| 16 Jan | 2359 | Range Cold. Police Call. Marines depart. | R212 | |
| 17 Jan | 0000-0700 | Ammo Watch Est. | R212 | |
| 17 Jan | 0700 | Ammo Pickup | R212 | |
| 17 Jan | 0800 | Range Inspected. Depart | R212 | |
| 17 Jan | | | | |
| 17 Jan | | | | |

ENCLOSURE (2)



UKD Course of Fire

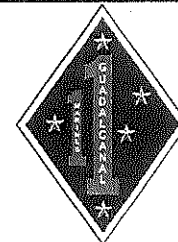


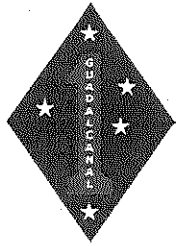
TABLE 3 UNKNOWN DISTANCE DAY (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | EXPOSURE TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|------------|------------|-------------------|----------------------|---------------|--------------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | 1 MIN | PRONE | 3 | 15 |
| MID RANGE | 40-60 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED STANDING | 1 | 4 |
| MID RANGE | 90-110 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 140-160 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 180-200 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| LONG RANGE | 200-300 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 300-400 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 400-500 | ENGAGE UNTIL DOWN | 6 | 30 SEC | SUPPORTED PRONE | 1 | 6 |
| TOTAL | | | | | | | 45 |

TABLE 3 UNKNOWN DISTANCE DAY (PRE-EVALUATION AND EVALUATION)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | EXPOSURE TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|------------|------------|-------------------|----------------------|---------------|--------------------|--------------|--------------|
| MID RANGE | 40-60 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED STANDING | 1 | 4 |
| MID RANGE | 90-110 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 140-160 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 180-200 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| LONG RANGE | 200-300 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 300-400 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 400-500 | ENGAGE UNTIL DOWN | 6 | 30 SEC | SUPPORTED PRONE | 1 | 6 |
| TOTAL | | | | | | | 30 |

ENCLOSURE (A)



UKD Night Course of Fire

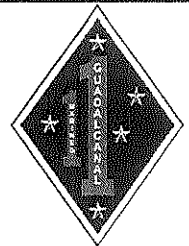


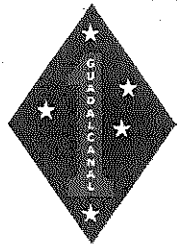
TABLE 4 NIGHT UKD (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|---------|------------|-------------------|----------------------|-------|--------------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | N/A | PRONE | 3 | 15 |
| UKD | 40-60 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED STANDING | 1 | 20 |
| | 90-110 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED KNEELING | | |
| | 140-160 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED PRONE | | |
| | 180-200 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED PRONE | | |
| TOTAL | | | | | | | 20 |

TABLE 4 NIGHT UKD (PRE-EVALUATION AND EVALUATION)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|-------|------------|-------------------|----------------------|-------|--------------------|--------------|--------------|
| UKD | 40-60 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED STANDING | 1 | 20 |
| | 90-110 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED KNEELING | | |
| | 140-160 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED PRONE | | |
| | 180-200 | ENGAGE UNTIL DOWN | 5 | 5 SEC | SUPPORTED PRONE | | |
| TOTAL | | | | | | | 20 |

ENCLOSURE (6)



Short Range (Practice)

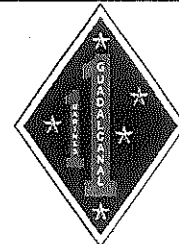
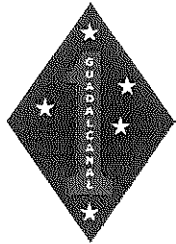


TABLE 5 SHORT RANGE DAY (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|-------------------------------|------------|------------------------|----------------------|-------|--------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | 1 MIN | PRONE | 3 | 15 |
| SHORT RANGE STAGE 1 | 5 | HEAD SHOT | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | FAILURE TO STOP | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 2 | 10 | HEAD SHOT | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 3 | 15 | PELVIC | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 4 | 25 | PELVIC | 1 | 5 SEC | STANDING | 3 | 3 |
| | | CONTROLLED PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 5 FWD MOVMT | 25-15 | BOX DRILL | 6 | N/A | FWD MOVEMENT | 1 | 6 |
| | 15-10 | FAILURE TO STOP PELVIC | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| | 10-5 | FAILURE TO STOP HEAD | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| TOTAL | | | | | | | 85 |



Short Range (Qual)

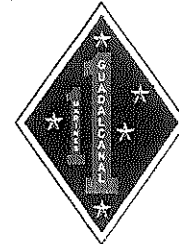


TABLE 5 SHORT RANGE DAY (PRE-EVALUATION AND EVALUATION)

| TABLE 5 SHORT RANGE DAY (PRE-EVALUATION AND EVALUATION) | | | | | | | |
|---|------------|------------------------|----------------------|-------|--------------|--------------|--------------|
| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
| STAGE 1 | 25 | CONTROLLED PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| | 25-35 | BOX DRILL | 6 | N/A | FWD MOVEMENT | 1 | 6 |
| STAGE 2 | 25 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| | 25-30 | FAILURE TO STOP | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| STAGE 3 | 30 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | HEAD SHOT | 1 | 5 SEC | STANDING | 1 | 1 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| | 30-5 | FAILURE TO STOP HEAD | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| STAGE 4 | 5 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | HEAD SHOT | 1 | 5 SEC | STANDING | 1 | 1 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| TOTAL | | | | | | | 50 |

ENCLOSURE (2)

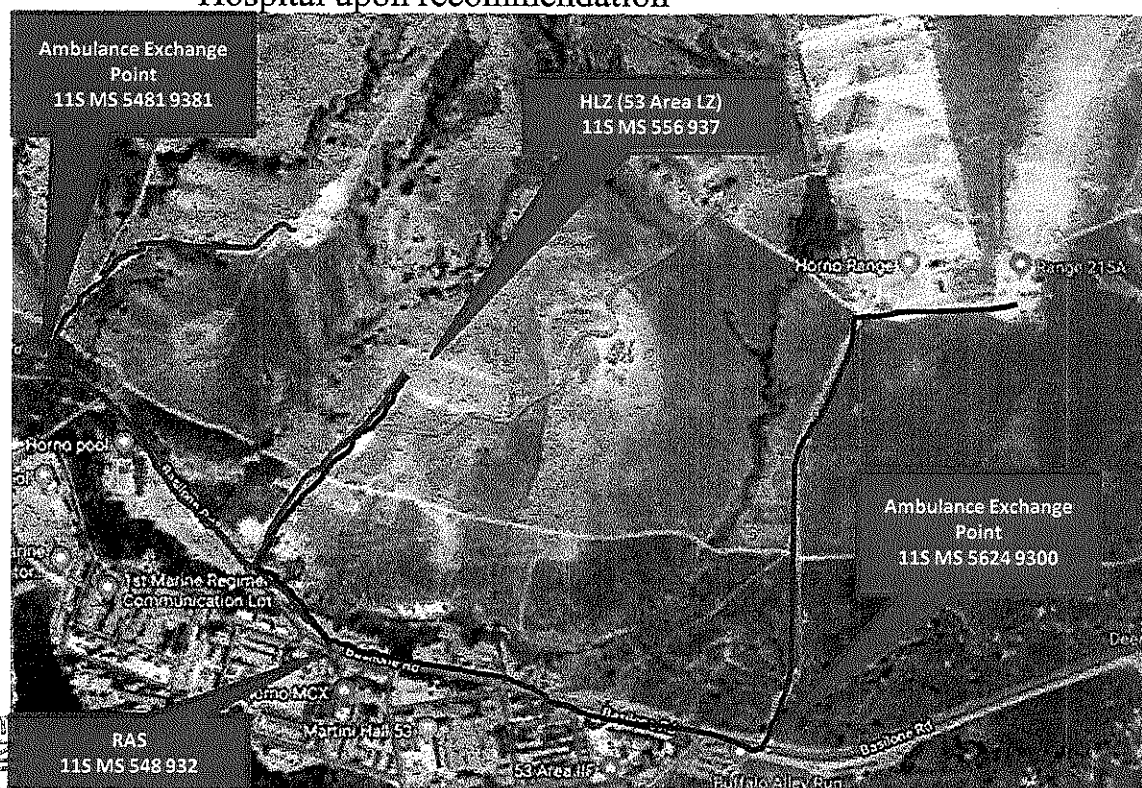
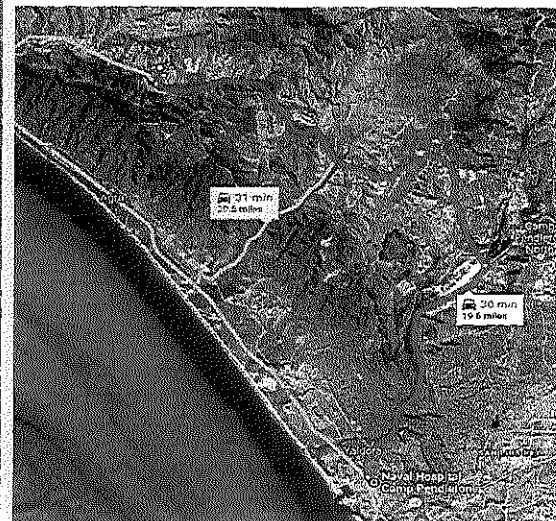
CASEVAC

- Priority/Urgent
 - Handled through Long Rifle
- Routine
 - Triaged by Corpsman and transported to RAS or Camp Pendleton Naval Hospital upon recommendation
- Rehearsals
 - Day/Night
- Strip Map w/ Safety vic

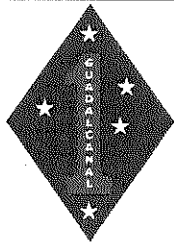
33.3849032, -117.4804586

- ↑ Head southwest on Airfield Rd toward Basilone Rd
0.2 mi
- ↩ Turn left onto Basilone Rd
11.9 mi
- ↩ Turn right onto Vandegrift Blvd
7.2 mi
- ↩ Turn left onto Comfort Way
0.1 mi
- ↩ Turn right onto Mercy Cir
427 ft

Naval Hospital Camp Pendleton
Camp Pendleton South, CA 92058



ENCLOSURE (K)



Command & Signal /Admin & Logistics



Personnel

- Event OIC: (b)(3), (b)(6), (b)(7)(c)
- Event RSO:
- Safety Corpsman: Provided by V11
- Driver/A-Driver
 - 13 Jan: S3 provided
 - 14 Jan: S3 Provided
 - 15 Jan: S3 Provided
- CMT: (b)(3), (b)(6), (b)(7)(c) (MTU)
- CMC: MTU)
- PSO: NCO or above, 1:4 day, 1:2 at night

Logistics/Comm Required

- 1x Highback – safety vehicle
- 1 x PRC-152's, 10 x PRC-153
- 8 x 5 gallon water jugs
- Range Supplies: 30 target stands with 800 refaces, 400 BZO targets, 100 sand bags, 50 blue, 50 red, 50 green, 50 yellow, 50 IR chemlights, TSD contractor support
- MREs– 1 DOS

Ammunition

- 193,200 - A059 - 5.56MM BALL

T&R Events

- Tables 3-6 per MARADMIN 132/15

Range/Safety Marking

- RSO/PSO Day: E-Tape; Night: Grn Chem
- Corpsman/Safety Vic Night: Blu Chem
- Obstacle/Hazard: Day: E-Tape; Night: Red Chem
- Range "M" Day: E-Tape; Night: Yel chem
- Targets: Night: IR Chem

RANGE SPECIAL INSTRUCTIONS

Date Revised: 15 October, 2019

**FACE TO FACE IS REQUIRED FOR MILITARY TRAINING EXCEPT EMP/CMP & STATIC FIRING LINE
FACE TO FACE IS REQUIRED FOR NFE RECREATIONAL USE PRIOR TO GOING INTO A HOT STATUS**

| | | | |
|--|---|---|--|
| Range: R-215A | Location: 56779 93956 | Military Training | Vehicles: |
| Elevation: 530 AMSL | Impact Area: Whiskey | Rifles - .50cal and below AA11 Authorized (No A606) Machine Guns - 7.62 and below Pistols - .45 cal. and below Service Shotguns - All Shoulder Fired Grenade Launchers - Pyro and TP Only Infantry Rockets - SMAW, LAW, & AT-4 Trainers/Practice Only Infantry Mortars -60mm Illum Only SESAMS Lasers - Class 3B & 4 Lasers are not Authorized | 1. Road & River Report Dependent. 2. Maximum of five (5) POVs are Authorized to park in parking lot area with or without a POV pass. 3. POV (Trucks) are authorized for target emplacement during NFE use. Must remain on established Roads. |
| Troop Penetration: Line: 1,200 meters | | NFE Recreational Use (Factory Loads Only) | |
| Type: Offensive Field BZO, EMP | Engagement Distance: Min - 3 Meters Max - 1,000 meters | Rifles - 50 cal. and below | |

THIS IS A CONTRACTOR SUPPORTED RANGE

Range Facilities: Assembly area, control tower, operations office/storage building, classroom, ammunition distribution building, vaulted head facility, 30 Stationary Infantry Targets, 17 Moving Infantry Targets



Scheduling

1. All scheduling requests for R-215A must be submitted via their battalion.
2. Unit must utilize RFMSS to schedule range
3. (b)(2)

Contractor Support

1. Contractor support is at **NO COST** to the unit.
2. Contractor support is **REQUIRED** to be scheduled if the unit intends to use the automated targets.
3. The contractor times **MUST** be scheduled in RFMSS, utilizing the "USER FIELDS" tab, for the duration of live-fire training.
4. If unit fails to schedule contractor times, use of the automated targets will **NOT** be authorized.
5. If the unit is a "no-show" one hour after the scheduled start time, the contractor can depart the range and is not required to return.
6. Contact (b)(2) for further information.

Closed To Any Use

Facility May Still Be Used With Restrictions

Facility Must Check Fire ALL Weapons

| Facility Occupied, or in Training/Live Fire Status | Effects to R215A |
|--|---|
| I-IMP Whiskey8 | Check Fire |
| A-R220 (W) | L/F 2.75" Rockets @ R-220 Closes Any Movement Past Barber Pole. Check Fire All Weapons Other Than Snipers On Steel Targets. Mortars, 30mm Rockets |
| A-R220 TACP QP M | Check Fire All Weapons Other Than Snipers On Steel Targets. Mortars, 30mm Rockets |
| R-210R (40mm Grenade Rng and Past 200m Dwn Rng) | Check Fire all NFE 7.62mm and Above |
| R-214 | Down Range Movement Restricted to 500m on R215A |
| R-AFA J | Closes |

Special Instructions Continued on Next page



ENCLOSURE (FL)

RANGE SPECIAL INSTRUCTIONS

OIC/RSO Requirements

1. A safety Brief must be conducted prior to each live fire event to all participants.
2. All personnel must wear required PPE during all training events.
3. Live Fire and Maneuver, Steel target, Rockets, & SESAMS
 - a. OIC Requirement – GySgt or Above
 - b. RSO Requirement –SSgt or Above
4. Static Fire & Blanks
 - a. OIC Requirement – SSgt or Above
 - b. RSO Requirement – Sgt or Above
5. No Munitions
 - a. OIC Requirement – None
 - b. RSO Requirement – Cpl or Above
6. LASER (If Used) LRSO Requirement –Sgt or Above
7. NFE Recreational Use
 - a. OICs/RSOs MUST have organizations assignment later on hand during training.
 - b. Only OICs/RSOs listed on this letter will be allowed to OIC/RSO NFE ranges.

Lateral Limits Markers

1. Unit must emplace lateral limit markers for any direct fire position used. Markers must consist of the following:
2. Left Lateral Limit – White Triangle Pointing to the Right 
3. Right Lateral Limit – Red Triangle Pointing to the Left 
4. Signs must be placed at the furthest distance viewable by all shooters and at the firing positions.
5. Markers must be laid in by compass from the firing position utilizing the data contained below.
6. **NOTE:** During night live, all lateral limits must be illuminated. The lateral limits must be visible by all participating and safety personnel.
7. Wooded protective structure must not be directly/purposefully targeted by any weapon other than 40mm TP.



5.56mm and Below EMP/CMP Box

1. For all EMP/CMP Training:
 - a. Steel Targets are not authorized for EMP/CMP.
 - b. For multiple target engagements, RSO must verify by compass from firing points to targets that all trajectories remain within the designated LLL/RLL of range.
 - c. All EMP/CMP Training must be conducted utilizing the depicted firing line.
 - d. All EMP/CMP Targets must be made of softwood uprights with cardboard backing.
 - e. Sandbags must be used on any metal bases. Bases must be made of soft metal.
 - f. Pallets and engineer stakes can be used.
 - g. Engineer stakes must be placed on the outside edges of the pallets.
 - h. No engagement on pallets closer than 7 yards.
 - i. OIC and RSO must ensure no-one is down range before the EMP/CMP goes into a hot status.
2. Firing Data:

Start Firing Line
56784 94010 to 56833 93991

Lateral Limits:
LLL: 10° mag
RLL: 016° mag
CFL/LOA: 56827 94101 to 56875 94081

.50 Cal and Below Static Firing Line

1. Steel Targets are not authorized.
2. All Training must be conducted utilizing the depicted firing line.
3. All Targets must be made of softwood uprights with cardboard backing, PITS or SITS targets.
4. OIC and RSO must ensure no-one is down range before the going into a hot status.
5. Firing Data:

Firing Line – 56710 94038 to 57028 93912

Lateral Limits:
LLL: 003° mag
RLL: 009° mag

Special Instructions Continued on Next page

ENCLOSURE (b2)

RANGE SPECIAL INSTRUCTIONS

Live Fire & Movement/Maneuver 5.56mm Only

1. Steel Targets authorized for 5.56mm Static Shoot ONLY from SFL.
2. Maneuver elements must conduct attacks inside their respective movement boxes as depicted on the attached graphics.
3. ~~If the Support by Fire or Mortar Position Blue is utilized then the Marines in the movement box must not engage any targets until they are a breast of the SBF/MP Blue Position~~
4. MP Red can be occupied then entire time the LFAM is occupied/hot.
5. M203 pyrotechnics, smoke and TP (DODIC B519) must be employed at the identified targets provided by the unit for this weapon system. Unit must not shoot RETS Tgts with any 40mm ammunition.
6. This range is a COMTS range. All units must coordinate with the contractor at least 48 hours prior to training event.
7. When target emplacement is required beyond limit of advance of the movement box, **the RSO from R215A must conduct a face-to-face with the RSO from R218A** to coordinate a mutually agreed time for emplacement. Target emplacement must not take more than 30 minutes from the start of agree time.
8. RSO must maintain communication with the OIC, and control the exposure of any targets.
9. All targets within the movement box must be knock-down stay-down type targets.
10. All targets must be laid in by compass from the firing position.
11. Targets must not be exposed for a period longer than 30 seconds.

Firing Data:

SFL: 56737 94198 to 57038 94144

Lateral Limits

LLL: 003° mag

RLL: 013° mag

CFL/LOA: 56828 94744 to 57299 94677

Support By Fire Position 7.62 Only

1. Steel Targets are not authorized.
2. 15° or 100m rule in effect, positive stops must be used to prevent crossfire.
3. Tripods must be left in place once MGs are registered.
4. Min Safe Line must be identified to all personnel.
5. SBF element must make movement to SBP position in Condition 4.

Firing Data:

Firing Point - 57144 94296

Lateral Limits

LLL: 346° mag

RLL: 003° mag

SBF must Cease-Firing prior to anyone crossing the SBF MSL at 331° mag

Infantry Rockets (TP Only) (NO Carl Gustaf)

1. Rockets:
 - a. SMAWs/AT-4/LAW must be employed at the identified targets for these weapon systems only.
 - b. Prior to firing any Rockets, RSO and OIC must ensure that Back Blast Area is all clear.
 - c. No personnel must be forward of the rocket Firing Position.
 - d. Any misfires, the unit must attempt to replace safety devises and notify LONGRIFLE for EOD support.
 - e. **EOD must determine if the rocket can be transported back to ASP.**
2. Firing Limitations:
 - a. **SMAW Trainer Practice**
 - i. During training with the SMAW, the gunner, assistant gunner or any instructors are authorized to fire/be exposed to only five rounds per day.
 - b. **AT-4 Trainer Practice**
 - i. Prone or foxhole firing of AT-4 Trainer is not authorized.
 - ii. In training, an individual may fire one round from the sitting position or three rounds from the standing or kneeling positions in a 24-hour period.
 - c. **LAW Trainer Practice**
 - i. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four.

Firing Data:

Firing Point - 57002 94647

PDF: 032°mag

Rocket Target: Bunker 57139 94782

Special Instructions Continued on Next page

ENCLOSURE (62)

RANGE SPECIAL INSTRUCTIONS

Mortar Firing Data

1. **Mortars:**
 - a. No POV's must enter R-215A even if they have a range pass when utilizing mortars.
 - b. OIC must report to Longrifle the Max Ord and charge to be fired.
 - c. Max Ord must remain within the scheduled Airspace and must be at least 1000 Feet below any FW Aircraft transitioning over the Impact Area.
 - d. RSO must ensure that the FDC has plotted the target box and any RFA's on both the primary and secondary plotting boards.
 - e. RSO is required to check the FDC/Gun line Safety-T's. Safety-T must be on hand with each gun.
 - f. Mortar Position must engage targets utilizing the data contained in this brief.
 - g. All mortars must fire registration fires that must be verified by the RSO prior to the exercise.
 - h. Base Plates must be marked at 11 o'clock and aiming stakes must be left in place after registration.
2. **Increment Burning:**
 - a. Increment Burning must be IAW BO 3500.1A
 - b. Units must contact Longrifle for permission prior to burning increments.
 - c. Powder must be burned in areas cleared to mineral earth, and located no closer than 200 feet from vegetation.
 - d. Unit must not exceed 100 increments at any one time while burning.
 - e. Units must have fire extinguishers, water, and shovels at the burn site.
 - f. Units must remain at the burn site for 30 minutes after the last burn, ensuring no fires have been started in the surrounding vegetation.
 - g. Units must contact Longrifle after last increment has burned and 30 minutes has passed.

MP Blue 60mm Mortar

FP 57144 94296
DOF 0080 mils grid
Charge 1 Illum Only

Mortar **must cease fire** prior to anyone crossing MSL Blue at Dir 280°mag
Range to Target
550 meters
Target Grid
57180 94830

SESAMS

1. A **"SESAMS Training in Progress"** Sign must be posted at the entrance to R215A by the unit.
2. When conducting Force-on-Force no shooting member must have conducted live fire within 24 hours of this event.
3. All participating Marines must be required to wear flak, Kevlar, throat/groin protector, contact gloves, utilities, hearing protection, and approved masks.
4. All personnel must wear the specified gear when inside the safety perimeter.
5. You must have a minimum of two NCOs or higher to act as PSO's.
6. **PSO's must ensure that there are no intentional headshots.**
7. No engagements closer than **7 feet for the 9mm.**
8. No engagements closer than **14 feet for the 5.56mm.**
9. All Marines must be lined out before any SESAMS rounds are distributed.
10. All SESAMS magazines must be clearly marked, as must the barrels.
11. Following the completion of the training, all Marines must be lined out again.
12. **Ensure all training is conducted IAW MCO 3570.1C/DPAM 385-63.**

Steel Reactive Targets (SRT)

1. Only SRTs with a certified Brinell hardness rating (BHN) of AR (BHN) 500 to AR (BHN) 550 will be used for training.
2. Homemade or unit-constructed targets must meet a minimum of an AR (BHN) 500 rating.
 - a. Manufacturers (commercial or organizational) of SRT must provide a certificate of hardness to ensure the steel targets meet the minimum hardness rating of AR 500.
 - b. Before firing, the RSO must ensure that all SRT have the correct Brinell hardness rating.
 - c. The certificate must remain on file as long as the targets are being utilized by the installation.
 - d. Steel with an abrasion resistant coating coupled with AR (BHN) 550 steel is considered optimum for safety and longevity of use.
3. SRT that is not flat and smooth, will cause unpredictable splatter effects.
 - a. SRTs that are warped, cracked, or have holes burrowed through them, are considered unserviceable and must be replaced.
 - b. Targets with dimples (slight surface depressions) that are 1/32" deep into the steel are considered unserviceable.
4. Mounting bolts on the target face will have a rounded head. The rounded head end of the mounting bolt must be oriented to the shooter. Mounting bolts that are damaged must be replaced.
5. If more than one portable target is to be used, the targets will be set in a fashion so that the splatter from one target will not ricochet off the next shooter.
6. Each target must be placed with the direction of fire and the angle of deflection taken into consideration.
7. Ensure the SRT remain adjusted to operate properly upon impact.
8. Targets that are intended to flip, swing, or rotate must move freely and operate as intended.
 - a. Ensure all targets are adjusted to fall with minimal bullet impact.

Special Instructions Continued on Next page

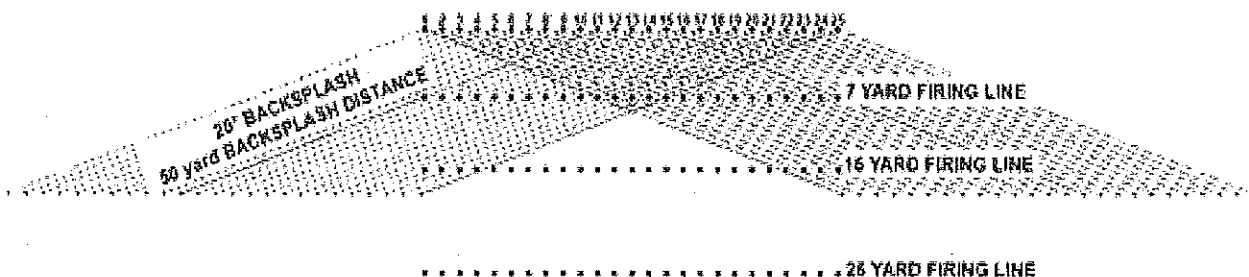
ENCLOSURE (42)

RANGE SPECIAL INSTRUCTIONS

| PPE Requirements | Prohibitions |
|--|---|
| 1. PPE Level 0 and OSHA-approved wrap-around impact-resistant eyeglasses are mandatory for all personnel on the range within 50 meters of the firing line. | 1. Automatic fire is not authorized on SRT. 2. Applying grease or oil ("slicking") to the target face is not authorized. |

20-degree Dispersion Area

1. The RSO will observe and maintain control of the firing line to ensure shooters do not inadvertently move into the 20 degree dispersion area.
2. Angle of deflection is the angle of travel of bullet fragments relative to the plane of the target surface towards the shooter.
 - a. When a shooter is shooting directly at a target, the bullet splatter will angle off the target up to 20-degrees in all directions from the point of impact and travel up to 45m.
 - b. The majority of all bullet fragments will exit the target within the 20-degree Dispersion Area.
 - c. A stationary target with a 20-degree forward cant (head forward of the body) produces the best angle of deflection with the most fragment consistency.
 - d. Careful consideration of the 20-degree Dispersion Area must be taken into account when multiple stationary SRT are in a line.
 - e. The number of shooters on the firing line have to be limited at closer distances to keep all personnel out of the 20-degree Dispersion Area.
3. Ensure portable SRT are prevented from moving (laterally, rotationally, or downrange) from set-up position during training which would change the 20-degree Dispersion Area(s) of the targets.



Ammunition and Minimum Engagement Distances

1. Armor piercing ammunition will not be used to engage SRT.
2. Frangible and M1037 Short Range Training Ammunition (SRTA) when used on SRT will pit, gouge, and buildup residue on steel. Making the target unserviceable.
3. Enhanced Performance Round (EPR) ammunition will damage steel targets faster than other service ammunition.

Marine Corps

Service Pistol – 7 meters
 00 Buck Shotgun – 10 meters.
 12 Gauge Slug - 46 meters.
 5.56mm (w/penetrators) – 69 meters
 5.56mm (Soft Core or Solid copper Alloy) 23 meters
 7.62mm – 140 meters
 .50 and .338 caliber – 375 meters.

Army

Service Pistol - 7 meters
 5.56mm - 25 meters
 7.62mm - 100 meters
 .50 and .338 caliber – 375 meters.

Note: SRTs that are unserviceable maybe used for engagements exceeding 150m for 5.56mm and 140m for 7.62mm.

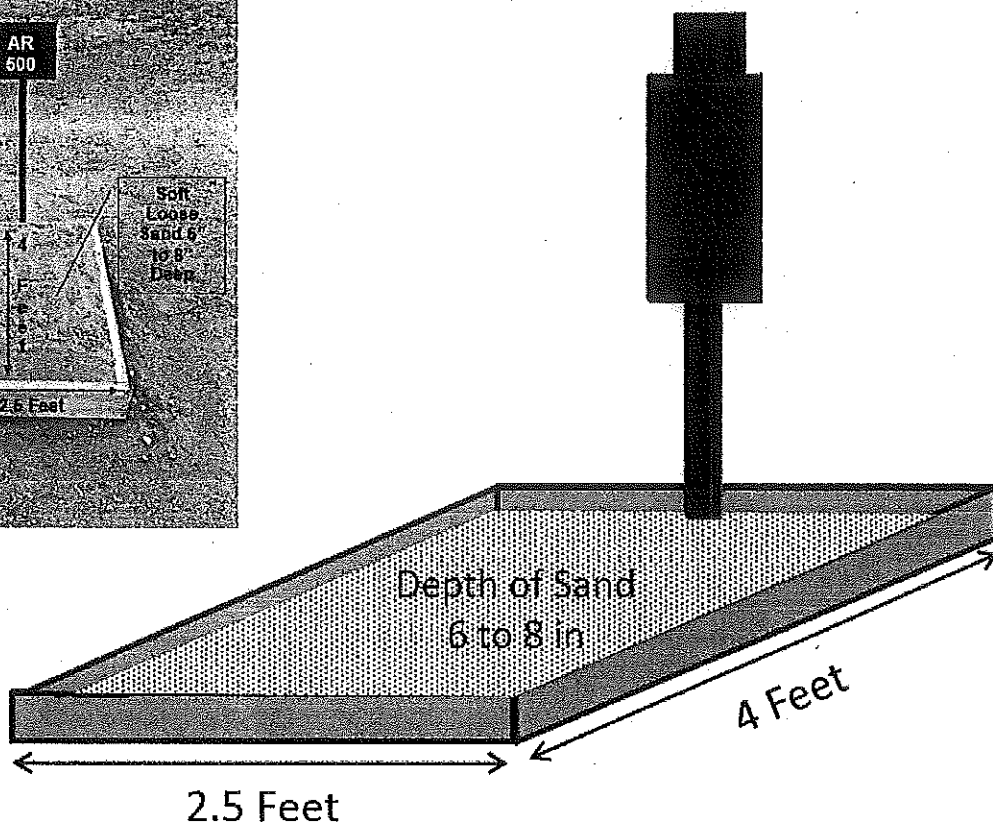
Special Instructions Continued on Next page

ENCLOSURE (6)

RANGE SPECIAL INSTRUCTIONS

Target Placement

1. Place targets on soft sandy-type soil or place an absorbing material such as a sand box (minimum 2.5' x 4 feet with 6 to 8 inches of sand) in front of the target to absorb the splatter and prevent projectiles from ricocheting off the ground.



Note: SRTs that are unserviceable maybe used for engagements exceeding 150m for 5.56mm and 140m for 7.62mm.

Civilian Static Firing Data

Factory Loads ONLY

FACE-TO-FACE WITH RANGE SAFETY IS REQUIRED PRIOR TO GOING HOT

1. **Steel Targets MUST** be place directly behind and centered on the survey marker.
2. **Survey marker MUST** be visible from the firing line
3. **Once Face-to-Face with Range Safety is completed**, targets shall **NOT** be moved without a new face-to-Face being conducted.
4. Target shall be placed with a 20 degree head tilt forward or free hanging.
5. Gimmick targets are not authorized because of the inability to control angle of the target, and the angel of the splatter.
 - a. Examples Rotating Christmas trees.
 - b. Examples Targets that flip back and forth.
6. **Cross firing is prohibited.**
7. Shooters **SHALL** be laid in with a compass by OIC.
8. Each shooter **MUST** have their lateral limits and allowable targets verified by the RSO.

FL: 56737 94198 to 57038 94144

Lateral Limits

LLL: 008° mag

RLL: 010° mag

LOA: 56828 94744 to 57299 94677

| Target Number | Range to Target | UTM Grid | |
|---------------|-----------------|----------|---------|
| 1 | 273m | 456924 | 3694437 |
| 2 | 473m | 457101 | 3694609 |
| 3 | 414m | 457110 | 3694543 |
| 4 | 430m | 457141 | 3694549 |

Special Instructions Continued on Next page

ENCLOSURE (12)

RANGE SPECIAL INSTRUCTIONS

| Target Number | Range to Target | UTM Grid |
|---------------|-----------------|----------------|
| 5 | 498m | 457147 3694619 |
| 6 | 551m | 457224 3694644 |
| 7 | 565m | 457205 3694669 |

ACTIVE DUTY PERSONNEL PARTAKING IN NFE OR MCCS RECREATIONAL SHOOTING

1. Definition of NFE vs MCCS.
 - a. Non-Federal Entity (NFE) means a state, local government, Indian tribe, institution of higher education (IHE), or nonprofit organization that carries out a Federal award as a recipient or sub-recipient.
 - b. Marine Corps Community Services (MCCS) is a comprehensive set of programs that support and enhance the operational readiness, war fighting capabilities, and life quality of Marines, their families, retirees and civilians.
2. Participating in NFE Recreational Shoots.
 - a. Service members who participate in NFE recreational shoots must be members of that NFE club.
 - b. As members, they are covered by that NFE's liability insurance.
3. Wearing Utility Uniforms at NFE or MCCS Recreational Shooting Events.
 - a. Minimum PPE level requirements remain the same, PPE Level 0.
 - b. Military PPE Level 0 is full utility uniform with eye and ear protection.
 - c. Civilian PPE Level 0 is long trousers, closed toed shoes, at least 1/4 length sleeve shirt with eye and ear protection.
 - d. It is entirely up to the active duty participant's chain of command if they require their service member to wear the utility uniform or civilian attire to meet that requirement.
4. Utilizing Military Issued Weapons at NFE or MCCS Recreational Shooting Events.
 - a. In order to utilize their issued weapon, the service member must have a letter from their Battalion Commander authorizing use and transportation (if in a POV) of that weapon.
 - b. In the case of a POV, transportation of that weapon needs to meet the requirements that SES Battalion has set forth for transportation of assault weapons on board MCB Camp Pendleton.
5. Utilizing Military Issued Ammunition at NFE or MCCS Recreational Shooting Events.
 - a. Military issued ammunition cannot be utilized with personally owned weapons. Conversely, civilian ammunition cannot be utilized in service issued weapons.
 - b. In order to utilize issued military ammunition, with issued service weapon, authorization must be included in the same letter from their Battalion Commander authorizing use of weapons or in a separate letter.
 - c. Ammunition needs to be drawn from ASP and transported to range in approved military vehicle by an authorized Ammunition Technician.
 - d. Ammunition is normally received by the OIC of the range and is included on the OIC's NAVMC 11381.
 - e. In the case of recreational shooting when utilizing military ammunition, the senior service member from the unit that the ammunition is coming from will receive all the military ammunition from that unit, inventory it against the 1348, and record it on a separate NAVMC 11381.
 - f. Senior service member will check in with Range OIC to ensure range is certified and authorized for that ammunition for a NFE or MCCS recreational shooting event, and to ensure Range OIC, whether NFE or MCCS, includes it their count for ammunition utilized on range.
 - g. Military ammunition is not recorded in the NFE or MCCS NAVMC 11381.
 - h. If there is any military ammunition remaining at the end of the recreational shoot, the senior service member who signed for the ammunition from that unit, will inventory it and transfer the ammunition to an authorized Ammunition Technician and transported back to the ASP for turn in.
 - i. The military chain of custody for ammunition shall not be broken at any time.
6. Military Waiver/Deviations.
 - a. Military waivers/deviations **DO NOT APPLY** to active service members utilizing military ammunition at NFE or MCCS recreational shooting events.
7. Documentation.
 - a. All documents, Letters of authorization, NAVMC 11381, etc., will be inspected by the Range OIC.
 - b. All documents, Letters of authorization, NAVMC 11381, etc., must be available for inspection by the RCO or his direct representation at all times.

Special Instructions Continued on Next page

ENCLOSURE (GL)

R215A

57

ENCLOSURE (4)

Unit Parking (5) POVs Only!

MSL Blue

Movement Box

Barber Pole

EMP/CMP BOX
Static Firing Line
No Steel Targets

MSL SBF

CFL/LOA

Rckt FP

Rckt Tgt

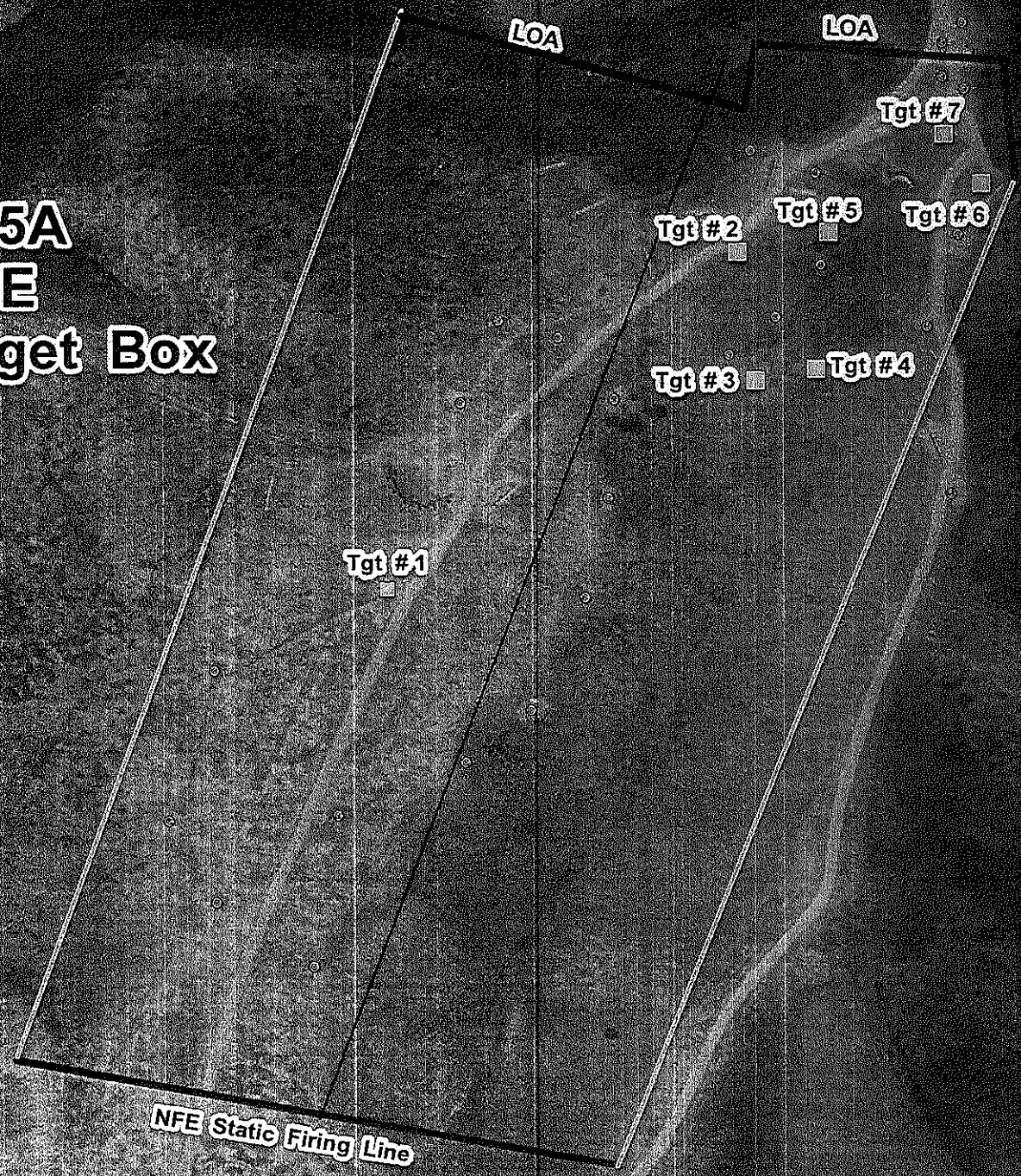
SBF & MP Blue

Movement Box

457°00m E

**R215A
NFE
Steel Target Box**

Whiskey



ENCLOSURE (2)

OPERATIONAL RISK MANAGEMENT MATRIX
MCB, CAMP PENDLETON

| Training Evolution: Range 212, 215A Tables 3-6 | | Organization: 1stMar Reg | Assigned OIC: (b)(3), (b)(6), (b)(7)(c) | Assigned RSO: (b)(3), (b)(6), (b)(7)(c) | Weapons Systems: M4, M27, M16 | Date: 13-16 January 2020 | |
|--|---|---|--|--|----------------------------------|---|--|
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | HOW TO SUPERVISE |
| Execution | Discharge of weapon resulting in injury. | Inexperienced Marines, poor situational awareness, not following proper loading and unloading procedures, lack of position safety officers. | I/C=2 | Restate all associated weapons conditions and weapons safety rules during safety brief. Ensure Marines are properly trained on weapons. Marines must understand where they will be in relation to one another. Ensure RSO/PSO's are in a location to observe and control the safety of the range. Marines wear all required PPE. | I/D=3 | PSOs will be tasked to ensure that all shooters remain in their assigned lanes and all the weapons safety rules are followed at all times. Shooters will be briefed course of fire with demonstration before executing. | RSO and PSOs will be present for each stick conducting the course of fire on the range. |
| Execution | Injury due to terrain/obstacle. | Marine unable to identify hazards due to night. | I/C=3 | Marines receive safety brief from the RSO on hazardous terrain and will be instructed to watch their footing while moving. RSO ensures all unnecessary obstacles are removed for the safe execution of training. | I/D=4 | RSO will give safety brief. PSOs implement controls. | RSO/OIC supervise PSOs. PSOs supervise marines. |
| Execution | Death or injury due to night live-fire training, negligence | Lack of experience utilizing night vision devices and PEQ-15/16 | I/C=2 | Marines will be briefed on the course of fire to be conducted at night before the night firing. Marines will receive whitespace training to further enhance understanding and use of equipment prior to execution. Prior to execution, marines will conduct night rehearsal supervised by PSOs. PSOs will ensure marines have mastered the techniques required for night live-fire prior to conducting live-fire. Marines will be briefed that if their NVGs or their PEQ-15/16 turns off, that they are not to fire until they have it back on. Additionally marines will be briefed that if they cannot properly see out of their NVGs, they will not fire. All optics functions checked prior to executing night live-fire. | I/D=3 | PSOs ensure marines can properly use NVGs & PEQ-15/16s before advancing in training. RSO/OIC conducts safety brief. | RSO/OIC supervise the overall conduct of execution. PSOs supervise marines on the firing line. |
| Execution | Marines keeping unfired rounds | Marines do not fire all rounds due to time constraints or weapons malfunctions. | II/C=2 | Proper shakedown, magazine inspection, and line outs will be conducted at the conclusion of firing and before any Marines leave the range. | II/D=3 | RSO will ensure that the ammo storage point is supervised at all times. Each Marine will be lined out at the completion of each live run. | PSOs will clear out all weapons and magazines following each course of fire. RSO will conduct a line out of all gear prior to the conduct of live fire training. |

ENCLOSURE (2)

| | | | | | | | |
|-----------|-------------------|---|--------|---|--------|---|--|
| Execution | Skeletal Injuries | Uneven Terrain | II/B=2 | PSOs will walk the terrain. RSO will give a safety brief covering all hazardous terrain encompassed in the range. Each Marine will use proper movement techniques when moving while firing. | II/D=4 | Range Safety Brief giving an orientation to R206 terrain. Any hazardous terrain will be identified and marked or removed. | RSO will ensure all hazardous terrain is marked and briefed to the Marines. |
| Execution | Hearing Loss | Weapons firing in close proximity to unprotected Marines. | IV/B=4 | Safety brief covers safe use of ammunition with hearing protection. Corpsman provides hearing protection at safety brief if needed. | IV/C=5 | PSOs will inspect that all Marines utilize the necessary PPE when conducting the range. | PSOs will inspect all shooters prior to conducting live-fire. |
| Execution | Heat Injuries | Dehydration as a result of minimal water consumption or excessive exposure to sunlight. | IV/B=4 | Marines will bring a full camelback to R206 and will be given ample opportunities to consume water, apply sunscreen and eat during the time spent at the range. | IV/D=5 | NCOs will ensure their Marines are consistently hydrating and applying sunscreen as needed. | RSO will ensure that PSOs are engaged with the Marines and preventing heat injuries. |

ENCLOSURE (62)

| | | | | | | | |
|---|---|---------------------------|---|---|---|--------------------------------|--|
| HAZARD SEVERITY I - CATASTROPHIC- Death, permanent disability, major property damage II - CRITICAL - Permanent partial disability, major system or minor property damage III - MARGINAL - Minor injury, minor system or property damage IV - NEGLIGABLE - 1 st aid, minor system repair MISHAP PROBABILITY A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY RISK ASSESSMENT CODE (RAC) 1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL | RAC ASSESSMENT CODE MATRIX | | | | | COMMAND REVIEW/APPROVAL | |
| | H A Z A R D S E V E R I T Y | MISHAP PROBABILITY | | | | | OIC: _____ _____ _____ _____ RSO: _____ _____ _____ _____ Company CO : _____ Reg OPSO : _____ |
| | | | A | B | C | D | |
| | | I | 1 | 1 | 2 | 3 | |
| | | II | 1 | 2 | 3 | 4 | |
| III | 2 | 3 | 4 | 5 | | | |
| IV | 3 | 4 | 5 | 5 | | | |

ENCLOSURE (2)

WORK DESCRIPTION (CIRCLE ONE):

(LTI / PFI) / SEM-ANN / ANNUAL / QUARTERLY / OTHER: RIFLE LTI / PFI

INSPECTOR (S) (b)(3), (b)(6), (b)(7)(c)

WEAPON TYPE: M4 QTY: 81 SERVICE REQUEST #:

| QTY | SERIAL NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | REMARKS |
|-----|------------|---|---|---|---|---|---|---|---|---|----|----|----|----------|
| 1 | W021933 | X | | | | | | | | | | | | CODE "A" |
| 2 | W034605 | X | | | | | | | | | | | | CODE "A" |
| 3 | W076031 | X | | | | | | | | | | | | CODE "A" |
| 4 | W076063 | X | | | | | | | | | | | | CODE "A" |
| 5 | W076080 | X | | | | | | | | | | | | CODE "A" |
| 6 | W076217 | X | | | | | | | | | | | | CODE "A" |
| 7 | W076232 | X | | | | | | | | | | | | CODE "A" |
| 8 | W076234 | X | | | | | | | | | | | | CODE "A" |
| 9 | W147376 | X | | | | | | | | | | | | CODE "A" |
| 10 | W149585 | X | | | | | | | | | | | | CODE "A" |
| 11 | W149840 | X | | | | | | | | | | | | CODE "A" |
| 12 | W150046 | X | | | | | | | | | | | | CODE "A" |
| 13 | W150078 | X | | | | | | | | | | | | CODE "A" |
| 14 | W150092 | X | | | | | | | | | | | | CODE "A" |
| 15 | W120290 | X | | | | | | | | | | | | CODE "A" |
| 16 | W150542 | X | | | | | | | | | | | | CODE "A" |
| 17 | W191845 | X | | | | | | | | | | | | CODE "A" |
| 18 | W198409 | X | | | | | | | | | | | | CODE "A" |
| 19 | W198520 | X | | | | | | | | | | | | CODE "A" |
| 20 | W198637 | X | | | | | | | | | | | | CODE "A" |
| 21 | W198720 | X | | | | | | | | | | | | CODE "A" |
| 22 | W198794 | X | | | | | | | | | | | | CODE "A" |
| 23 | W198796 | X | | | | | | | | | | | | CODE "A" |
| 24 | W198858 | X | | | | | | | | | | | | CODE "A" |
| 25 | W198864 | X | | | | | | | | | | | | CODE "A" |
| 26 | W198867 | X | | | | | | | | | | | | CODE "A" |
| 27 | W198887 | X | | | | | | | | | | | | CODE "A" |
| 28 | W198910 | X | | | | | | | | | | | | CODE "A" |
| 29 | W199150 | X | | | | | | | | | | | | CODE "A" |
| 30 | W199554 | X | | | | | | | | | | | | CODE "A" |

1 CODE "A"

2

3

4

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12

ENCLOSURE (2)

WORK DESCRIPTION (CIRCLE ONE):

(LTI / PFI) / SEM-ANN / ANNUAL / QUARTERLY / OTHER: RIFLE LTI / PFI

INSPECTOR (S) (b)(3), (b)(6), (b)(7)(c)

WEAPON TYPE: M4 QTY: 81 SERVICE REQUEST #:

| QTY | SERIAL NO. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | REMARKS |
|-----|------------|---|---|---|---|---|---|---|---|---|----|----|----|----------|
| 1 | W199574 | X | | | | | | | | | | | | CODE "A" |
| 2 | W199609 | X | | | | | | | | | | | | CODE "A" |
| 3 | W204555 | X | | | | | | | | | | | | CODE "A" |
| 4 | W205105 | X | | | | | | | | | | | | CODE "A" |
| 5 | W205736 | X | | | | | | | | | | | | CODE "A" |
| 6 | W205213 | X | | | | | | | | | | | | CODE "A" |
| 7 | W205478 | X | | | | | | | | | | | | CODE "A" |
| 8 | W205532 | X | | | | | | | | | | | | CODE "A" |
| 9 | W205690 | X | | | | | | | | | | | | CODE "A" |
| 10 | W205888 | X | | | | | | | | | | | | CODE "A" |
| 11 | W208855 | X | | | | | | | | | | | | CODE "A" |
| 12 | W209043 | X | | | | | | | | | | | | CODE "A" |
| 13 | W237873 | X | | | | | | | | | | | | CODE "A" |
| 14 | W237949 | X | | | | | | | | | | | | CODE "A" |
| 15 | W259824 | X | | | | | | | | | | | | CODE "A" |
| 16 | W259938 | X | | | | | | | | | | | | CODE "A" |
| 17 | W260006 | X | | | | | | | | | | | | CODE "A" |
| 18 | W264638 | X | | | | | | | | | | | | CODE "A" |
| 19 | W264687 | X | | | | | | | | | | | | CODE "A" |
| 20 | W264742 | X | | | | | | | | | | | | CODE "A" |
| 21 | W265309 | X | | | | | | | | | | | | CODE "A" |
| 22 | W265578 | X | | | | | | | | | | | | CODE "A" |
| 23 | W265909 | X | | | | | | | | | | | | CODE "A" |
| 24 | W265921 | X | | | | | | | | | | | | CODE "A" |
| 25 | W265945 | X | | | | | | | | | | | | CODE "A" |
| 26 | W270329 | X | | | | | | | | | | | | CODE "A" |
| 27 | W270344 | X | | | | | | | | | | | | CODE "A" |
| 28 | W270403 | X | | | | | | | | | | | | CODE "A" |
| 29 | W270561 | X | | | | | | | | | | | | CODE "A" |
| 30 | W270901 | X | | | | | | | | | | | | CODE "A" |

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ENCLOSURE (2)

[illegible]



UNITED STATES MARINE CORPS
3D ASSAULT AMPHIBIAN BATTALION
1ST MARINE DIVISION, (REIN)
MCB BOX 555574
CAMP PENDLETON, CA 92055-5574

IN REPLY REFER TO
3500
Co H&S
14 Jan 19

From: Platoon Commander, 15th MEU Platoon
To: Operations Officer, 3d Assault Amphibian Battalion
Via: Company Commander, Company H&S

Subj: RIFLE COMBAT MARKSMANSHIP TABLES III-VI

Ref: (a) BN ORDER 3500.1D MCB RANGE REGULATION
(b) MCO 3570.1C RANGE SAFETY
(c) MARADMIN 132/15

Encl: (1) Concept of Operations
(2) Timeline
(3) Gear list
(4) Weather report
(5) Courses of fire
(6) ORM

1. Situation: 15th MEU platoon is preparing to conduct Rifle Combat Marksmanship Tables III-VI at Range 212 in Camp Pendleton on 16 January 2020. Due to the operational commitments and pre-deployment training plan (PTP) requirements for Native Fury 2020, it is required that the 15th MEU Platoon is 100% qualified on Rifle Combat Marksmanship Tables III-VI.

2. Mission: On 16 January 15th MEU Platoon will conduct a battle sight zero (BZO) and Tables III-VI in order to (IOT) meet PTP requirements for Native Fury.

3. Execution:

a. Commanders Intent:

(1) Purpose: Accomplish prescribed PTP training requirements in preparation for Native Fury.

(2) Method: This training will be accomplished through a period of instruction, rehearsals, and evaluation by the Marksmanship Training Unit (MTU). Instruction and evaluation will focus on combat marksmanship. The Platoon will accomplish this by conducting Rifle Combat Marksmanship Tables III-VI per MARADMIN 132/15.

(3) End State: All Marines successfully qualify on Rifle Combat Marksmanship Tables III-VI.

ENCLOSURE (AL)

b. Concept of Operations: This will be accomplished in four phases (Phase I-IV).

(1) Phase I: (PREPARATION) This phase begins with identifying the Marines needed to complete Rifle Combat Marksmanship Tables III-IV. During this Phase the Armorer will conduct pre firing inspections (PFI) and limited technical inspection (LTI) on all weapons, as well conduct operational checks on all optics and lasers. A warning order will be given and a range walkthrough will be conducted. This phase ends on 15 January after the completion of the LTIs and PFIs.

(2) Phase II: (MOVEMENT) This phase begins with all Marines and equipment accounted prepared to conduct movement. During this phase Section Leaders will ensure all Marines and equipment are accounted for. The platoon will conduct its movement via 7 tons from the 21 Area to R212. This phase ends with the 15th MEU Platoon occupying R212 on 16 January.

(3) Phase III: (RIFLE COMBAT MARKSMANSHIP TABLES III-VI) This phase begins with the 15th MEU Platoon occupying R212 on 16 January. During this phase the platoon will conduct Rifle Combat Marksmanship Tables III-VI. This consist of both day and night live fire training. This phase ends once all Marines have completed and qualified on Rifle Combat Marksmanship Tables III-VI and the OIC calls the range cold into Longrifle.

(4) Phase IV: (RANGE RETROGRADE) This phase will be in two parts.

(a) Stage I: (MAIN BODY RETROGRADE) This stage begins when the range is called in cold to Longrifle. During this part a majority of the platoon will retrograde back to the 21 area. The OIC will stay at the range with a established ammo watch. This stage ends with the accountability of all 31 Marines and equipment in the 21 Area and at R212.

(b) Stage II: (RBE RETROGRADE) This stage begins once Marines from 1st Marines conduct ammo and range turnover on 17 January. During this phase the remaining 9 Marines will travel back to the 21 Area. This stage ends with the accountability of all remaining Marines and equipment in the 21 Area.

c. Tasks:

(1) Platoon Sergeant:

T1: Consolidate roster of Marines and serialized gear for equipment density list (EDL).

P1: IOT maintain accountability of all Marines and serialized gear for the duration of the training evolution.

T2: Ensure all logistical support requests have been successfully routed to 1st Marines.

P2: IOT ensure all logistical requirements for effective conduct of R212.

T3: Anticipate and send rapid requests as necessary.

P3: IOT allow for continuous operations at R212.

(2) Range Safety Officer:

T1: Ensure strict adherence to all safety rules and regulations while conducting Tables III-IV.

P1: IOT accomplish safe and effective training

T2: Establish an Ambulance Exchange Point (AXP).

P2: IOT ensure an efficient casualty exchange.

T3: Determine road guard positions.

P3: IOT safely conduct the range and ensure adjacent units do not interfere with range SDZs.

(2) Armorer:

T1: LTI/PFI all weapons in our armory and conduct PVS-14 and PEQ 15 checks.

P1: IOT verify all weapons and equipment is operational.

(2) Corpsman:

T1 Be prepared to establish the ambulance exchange point during the movement and training at R212.

P1: IOT facilitate efficient assessment, treatment, and transfer of any casualties.

d. Coordinating Instructions:

(1) No communication plan:

(a) 15th MEU Platoon will complete a minimum of three communications to Company headquarters or Battalion OOD. Near side communications will be established with battalion as per SOP (Mission card, EDL, departing friendly lines report).

(b) Communication with Battalion: All communication will be conducted per Battalion SOP via HF/VHF.

(c) Range control: If at any time the Platoon loses communication with Longrifle, training will cease until communication is re-established.

(d) Road Guards: Communications checks will be conducted once every hour at the bottom of the hour (:30) If a radio check is missed by one road guard training will continue until the second radio check is missed. All training will cease if two radio checks are missed.

(2) Lost Marine plan:

(a) All Marines will travel in pairs and inform their chain of command when they leave the immediate area. All Marines will carry a water source when departing the immediate area. In the event that a Marine has been identified as missing, all movement and training will cease. The platoon will gain accountability of all present personnel and equipment. Then a team of Marines will be sent to search the last known location of the lost Marine.

(b) Accountability will be conducted before and after any major movement. Once a Marine has been identified lost, Range control will be notified in order to prepare aerial search and rescue teams to assist in search.

(c) Lost Marine will remain in place until found. At all cost every attempt should be made to remain in place until absolutely required to displace from last known position. If Marine must displace a large marker will be made pointing in the direction of movement. That Marine will be looking for hardball road and follow it until they find another units command post and check in with the OOD. The lost Marine will contact the 3d AABn OOD, Platoon Commander, or Platoon Sergeant via the OOD.

(3) Uniform and gear: (See encl 3.)

(4) Go/No GO criteria:

(a) If transportation cannot be provided to the range or if more than 25% of our weapons and optics are deadlined the platoon will reschedule the range.

4. Admin and Logistics:

a. Administration:

(1) Personnel count (MO/ME/NO/NE):1/38/0/1

(2) Casualty Evacuation (CASEVAC) plan:

(a) Routine: If a routine casualty occurs, the corpsman present will evaluate the Marine and provide initial treatment. If additional treatment is needed, the Marine will be transported to the 21 Area Battalion Aid Station (BAS) or 1st Marines Regimental Aid Station (RAS) and their chain of command will be notified.

(b) Priority/Urgent: In the event of a priority or urgent casualty, all training will cease and Range Control will immediately be notified while the casualty is assessed by a corpsman and platoon staff. The casualty will be reported by either the OIC, RSO, or Corpsman. If the casualty is going to be transported by air an LZ will be established IVO of R212 or in the 53 Area IVO 11S MS 556 937. Daytime landing zone (LZ) for air casualty evacuation will be marked by an air panel. Nighttime LZ for air CASEVAC will be marked by a chemstick buzz saw. If the casualty is to be transported via ground the casualty will be loaded to the safety vehicle and

brought to the AXP which will be established at 11S MS 5481 9381.

b. Logistics: Provided by 1st Marines.

5. Command and signal:

a. Command:

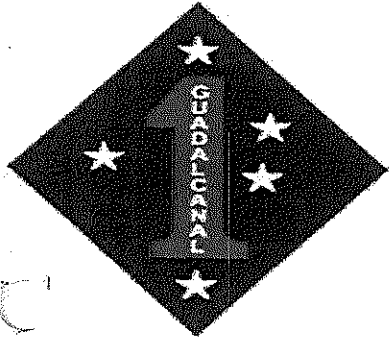
- (1) Platoon Commander, first in command, will be located at R212.
- (2) Platoon Sergeant, second in command, will be located at R212.
- (3) 1st Section Leader, third in command, will be located at R212.
- (4) Event OIC(b)(3), (b)(6), (b)(7)(c) will be located at R212.
- (5) Event RSO (b)(3), (b)(6), (b)(7)(c) will be located at R212.
- (6) CMT(b)(3), (b)(6), (b)(7)(c) will be located at R212.

b. Signal:

- (1) BATTALION: PRIMARY/ALTERNATE 942/943
- (2) FIRST PLATOON: 991/992
- (3) RANGE CONTROL: 40.35

(b)(3), (b)(6), (b)(7)(c)

UNCLASSIFIED//FOUO



Range 212 Rifle Combat Marksmanship Tables III-VI

15th MEU Platoon
Confirmation Brief

Prepared by: (b)(3), (b)(6), (b)(7)(c)
20200114

UNCLASSIFIED//FOUO

ENCLOSURE (2)



UNCLASSIFIED//FOUO



CONOPS Overview

Mission: On 16 Jan 15th MEU Platoon will conduct a battle sight zero (BZO) and Tables III-IV IOT meet PTP requirements for Native Fury.

Commander's Intent:

- **Purpose:** Accomplish prescribed PTP training requirements in preparation for Native Fury.
- **Method:** This training will be accomplished through a period of instruction, rehearsals, and evaluation by the Marksmanship Training Unit (MTU). Instruction and evaluation will focus on combat marksmanship. The Platoon will accomplish this by conducting Rifle Combat Marksmanship Tables III-VI per MARADMIN 132/15.
- **Endstate:** All Marines successfully qualify on Rifle Combat Marksmanship Tables III-VI.

T&R Standards:

- MARADMIN 132/15

| T/O | Equipment | Class I | Class III | Class V | Class IX |
|----------|---|-----------------------------|--|---------------------------------|----------|
| 1/38/0/1 | 40 M4s 40 PEQ15/16s 40 PVS 14s 40 RCOs | Chow: 2 DOS Water: 2 DOS | 20200116 Transportation 20200117 Transportation | 193,200 - A059 - 5.56MM BALL | N/A |

UNCLASSIFIED//FOUO

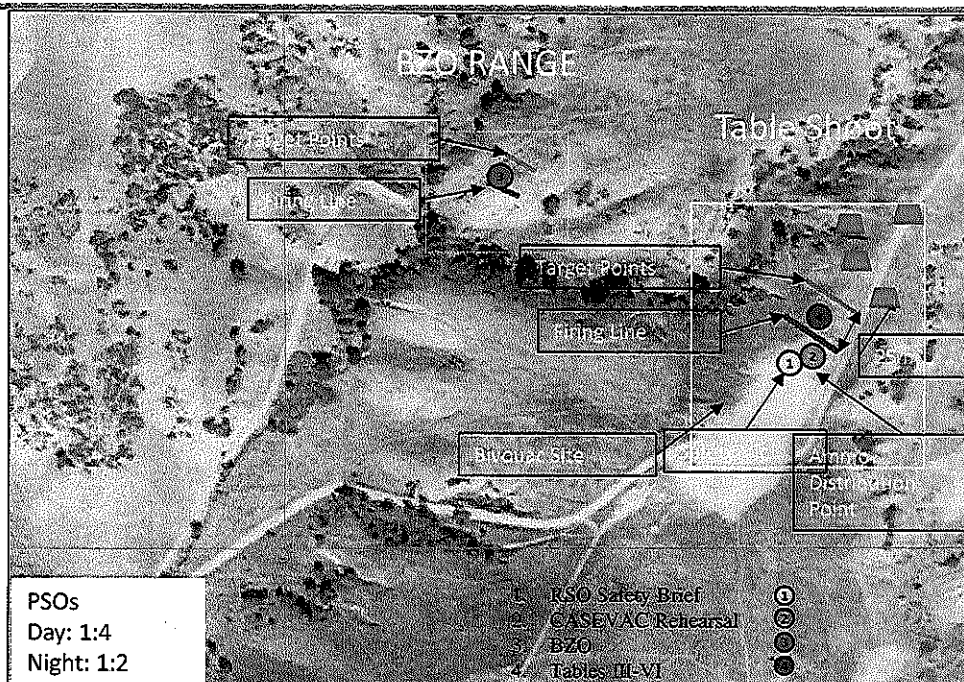
ENCLOSURE (42)



UNCLASSIFIED//FOUO



COA Graphic/Narrative



PSOs
Day: 1:4
Night: 1:2

- 1 RSO Safety Brief
- 2 CASEVAC Rehearsal
- 3 BZO
- 4 Tables III-VI

Timeline:

20200118

0500- Movement R212
0530- Safety vic/Ammo
0600- Occupy R212
0630- Range setup
0630- PSO Brief
0700- Safety Brief
0730-Range Hot/BZO
0900- Tables III&V
1700- Night Safety
Brief/Rehearsals/PCCs/ PCIs
1730- Tables IV&VI
2359- Range Cold/Police
Call/Retrograde
0000-Ammo Watch Est.

20200119

0700- Ammo Pickup
0800- Range insp/Depart
0900-Arrive to 21 Area

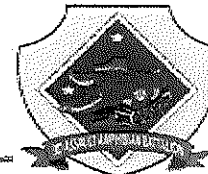
COA Narrative: Phase 1 (PREPARATION): PF/ILT will be conducted on all weapons. All Marines and other equipment will be inspected before departure to R212. The platoon will conduct a range walkthrough. Phase 2 (MOVEMENT): Marines and equipment will depart the 3d AABN RAMP to R212 in Horno. Phase 3 (RIFLE COMBAT MARKSMANSHIP TABLES III-VI): Marines will execute Tables III-VI at R212. Phase 4 (RETROGRADE): All Marines, weapons, and equipment will be accounted for back at the 3d AABN RAMP.

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ENCLOSURE (X)



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Contingencies

Coordinating Instructions:

- No Comm Plan
 - If at any time the Platoon loses communication with Longrifle, training will cease until communication is re-established.
- Lost Marine Plan
 - In the event that a Marine has been identified as missing, all movement and training will cease. The platoon will gain accountability of all present personnel and equipment. Then a team of Marines will be sent to search the last known location of the lost Marine.
 - Lost Marine will remain in place until found. At all cost every attempt should be made to remain in place until absolutely required to displace from last known position. If Marine must displace a large marker will be made pointing in the direction of movement.
- Go/No Go Criteria
 - If transportation cannot be provided to the range or if more than 25% of our weapons/optics are deadlined the platoon will reschedule the range.

CASEVAC Plan:

- **Urgent/Priority-** In the event of a priority or urgent casualty, all training will cease and Range Control will immediately be notified while the casualty is assessed by a corpsman and platoon staff. The casualty will be reported by either the OIC, RSO, or Corpsman. If the casualty is going to be transported by air an LZ will be established IVO of R212 or in the 53 Area IVO 11S MS 556 937. Daytime landing zone (LZ) for air casualty evacuation will be marked by an air panel. Nighttime LZ for air CASEVAC will be marked by a chemstick buzz saw. If the casualty is to be transported via ground the casualty will be loaded to the safety vehicle and brought to the AXP which will be established at 11S MS 5481 9381.
- **Routine-** All routine casualties will be evaluated and treated by a corpsman. If additional treatment is needed the Marine will be pushed to 21 Area BAS or 1st Marines RAS.

Command

- OIC
- RSC (b)(3), (b)(6), (b)(7)(c)

Signal

- Primary: VHF
- Alternate: HF
- Tertiary: Cellphone
- Frequencies: Platoon 991/992, Battalion 942/943

UNCLASSIFIED//FOUO

ENCLOSURE (2)



UNCLASSIFIED//FOUO

ORM



RAC ASSESSMENT CODE MATRIX

| HAZARD SEVERITY | MISHAP PROBABILITY | | | | |
|--------------------|--------------------|---|---|---|---|
| | | A | B | C | D |
| | I | 1 | 1 | 2 | 3 |
| | II | 1 | 2 | 3 | 4 |
| | III | 2 | 3 | 4 | 5 |
| | IV | 3 | 4 | 5 | 5 |

- **Most Dangerous Hazard 1: Death or injury due to night live-fire training, negligence**
 - Cause: Lack of experience utilizing night vision devices and PEQ-15/16
 - Mitigation: Marines will receive whitespace training to further enhance understanding and use of equipment prior to execution. Prior to execution, marines will conduct night rehearsal supervised by PSOs. Marines will be briefed that if their NVGs or their PEQ-15/16 turns off, that they are not to fire until they have it back on. Additionally marines will be briefed that if they cannot properly see out of their NVGs, they will not fire.
 - Supervise: RSO/OIC supervise the overall conduct of execution. PSOs supervise marines on the firing line.
- **Most Dangerous Hazard 2: Discharge of weapon resulting in injury.**
 - Cause: Inexperienced Marines, poor situational awareness, not following proper loading and unloading procedures, lack of position safety officers.
 - Mitigation: Restate all associated weapons conditions and weapons safety rules during safety brief. Ensure Marines are properly trained on weapons. Marines must understand where they will be in relation to one another. Ensure RSO/PSO's are in a location to observe and control the safety of the range. Marines wear all required PPE.
 - Supervise: RSO and PSOs will be present for each stick conducting the course of fire on the range.
- **Most Likely Hazard 1: Skeletal Injuries**
 - Cause: Uneven Terrain
 - Mitigation: PSOs will walk the terrain. RSO will give a safety brief covering all hazardous terrain encompassed in the range. Each Marine will use proper movement techniques when moving while firing.
 - Supervise: RSO will ensure all hazardous terrain is marked and briefed to the Marines.
- **Most Likely Hazard 2: Hearing Loss**
 - Cause: Weapons firing in close proximity to unprotected Marines.
 - Mitigation: Safety brief covers safe use of ammunition with hearing protection. Corpsman provides hearing protection at safety brief if needed.
 - Supervise: PSOs will inspect all shooters prior to conducting live-fire.

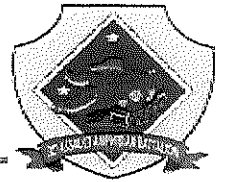
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ENCLOSURE (2)

UNCLASSIFIED//FOUO



Questions



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ENCLOSURE (12)

TIMELINE-Rifle Combat Marksmanship Tables III-VI

| | | |
|-----------|--|------|
| 0500 | Movement to R212 | R212 |
| 0530 | Safety vic arrive/Ammo drop off | R212 |
| 0630 | Working Party range set up | R212 |
| 0630 | PSO brief | R212 |
| NLT 0700 | Marines arrive | R212 |
| 0700 | Safety Brief/Rehearsal/PCC/PCI | R212 |
| 0730 | Range Hot | R212 |
| 0730 | BZO | R212 |
| 0900 | Conduct Tables 3 & 5 | R212 |
| 1700 | Night Safety Brief/Rehearsals/PCC/PCI | R212 |
| 1730 | Conduct Tables 4 & 6 | R212 |
| 2359 | Range Cold. Police Call. Marines depart. | R212 |
| 0000-0700 | Ammo Watch Est. | R212 |
| 0700 | Ammo Pickup | R212 |
| 0800 | Range Inspected. Depart | R212 |

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (42)

Enclosure (2)

GEAR LIST - Rifle Combat Marksmanship Tables III-VI (MINIMUM)

ON PERSON:

- (1) SET MARPAT WOODLAND UTILITIES
- (1) WOODLAND BOONIE COVER
- (1) PAIR SOCKS
- (1) SKIVVY SHIRT
- (1) APPROPRIATE COLOR MARTIAL ARTS BELT
- (1) MARINE CORPS-APPROVED BOOTS
- (1) T/O WEAPON(S) W/VICKERS SLING (DUMMY CORDED)
- (1) WATCH
- (1) PLATE CARRIER
- (2) FRONT AND BACK SAPI
- (3) DOUBLE MAGAZINE POUCHES WITH (6) MAGAZINES (8 FOR IAR GUNNERS)
- (2) GRENADE POUCHES
- (1) DROP POUCH
- (1) IFAK
- (1) CAC
- (1) ROOM KEY
- (1) PVS-14 (DUMMY CORDED)
- (1) PEQ-15/16 (DUMMY CORDED)
- (1) RCO (DUMMY CORDED)
- (1) ALL ISSUED SL3 NEEDED FOR PEQ AND PVS-14

ASLT PACK:

- (1) EAR PRO
- (1) HEADLAMP (WHITE AND RED LENS)
- (1) TACTICAL GLOVES
- (1) CAMELBACK BLADDER
- (1) SET OF NOTE TAKING GEAR
- (1) MULTI PURPOSE TOOL/GERBER **OPTIONAL**
- (1) CLEAR & DARK EYE PRO
- (1) TARP
- (1) GLOW BELT (TO GO AROUND ASSAULT BACK FOR WALK BACK TO HORNO)
- (1) WEAPONS CLEANING GEAR
- (2) CANTEENS IN CANTEEN POUCHES W/ CANTEEN CUP & STAND
- (1) PONCHO LINER
- (3) MRE
- (1) GORTEX TOP AND BOTTOM

MAIN PACK (OVERNIGHT MARINES ONLY):

- (1) SLEEP SYSTEM
- (2) DOS CHOW
- (1) PAIR SOCKS
- (1) SKIVVY SHIRT
- (1) SET OF WARMING LAYERS

ENCLOSURE (2)

Enclosure (3)

Weather Report-Rifle Combat Marksmanship Tables III-VI

| Weather | |
|-------------------|--------|
| 16 January | |
| Thur | |
| Day | 62 deg |
| Precipitation | 10% |
| Night | 40 deg |
| Precipitation | 40% |
| Astronomical Data | |
| 16 January | |

| Thur | |
|--------------------|------|
| Sunset | 1703 |
| End civil twilight | 1824 |
| Moon (61% illum) | |
| Moon Transit | 0501 |
| Moon Set | 2309 |

ENCLOSURE (12)

Enclosure (4)

OPERATIONAL RISK MANAGEMENT MATRIX
MCB, CAMP PENDLETON

| Training Evolution: Range 212, 215A Tables 3-6 | | Organization: 1stMar Reg | Assigned OIC: (b)(3), (b)(6), (b)(7)(c) | Assigned RSO: (b)(3), (b)(6), (b)(7)(c) | Weapons Systems: M4, M27, M16 | Date: 13-16 January 2020 | |
|--|---|---|--|--|----------------------------------|---|--|
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | HOW TO SUPERVISE |
| Execution | Discharge of weapon resulting in injury. | Inexperienced Marines, poor situational awareness, not following proper loading and unloading procedures, lack of position safety officers. | I/C=2 | Restate all associated weapons conditions and weapons safety rules during safety brief. Ensure Marines are properly trained on weapons. Marines must understand where they will be in relation to one another. Ensure RSO/PSO's are in a location to observe and control the safety of the range. Marines wear all required PPE. | I/D=3 | PSOs will be tasked to ensure that all shooters remain in their assigned lanes and all the weapons safety rules are followed at all times. Shooters will be briefed course of fire with demonstration before executing. | RSO and PSOs will be present for each stick conducting the course of fire on the range. |
| Execution | Injury due to terrain/obstacle. | Marine unable to identify hazards due to night. | I/C=3 | Marines receive safety brief from the RSO on hazardous terrain and will be instructed to watch their footing while moving. RSO ensures all unnecessary obstacles are removed for the safe execution of training. | I/D=4 | RSO will give safety brief. PSOs implement controls. | RSO/OIC supervise PSOs. PSOs supervise marines. |
| Execution | Death or injury due to night live-fire training, negligence | Lack of experience utilizing night vision devices and PEQ-15/16 | I/C=2 | Marines will be briefed on the course of fire to be conducted at night before the night firing. Marines will receive whitespace training to further enhance understanding and use of equipment prior to execution. Prior to execution, marines will conduct night rehearsal supervised by PSOs. PSOs will ensure marines have mastered the techniques required for night live-fire prior to conducting live-fire. Marines will be briefed that if their NVGs or their PEQ-15/16 turns off, that they are not to fire until they have it back on. Additionally marines will be briefed that if they cannot properly see out of their NVGs, they will not fire. All optics functions checked prior to executing night live-fire. | I/D=3 | PSOs ensure marines can properly use NVGs & PEQ-15/16s before advancing in training. RSO/OIC conducts safety brief. | RSO/OIC supervise the overall conduct of execution. PSOs supervise marines on the firing line. |
| Execution | Marines keeping unfired rounds | Marines do not fire all rounds due to time constraints or weapons malfunctions. | II/C=2 | Proper shakedowns, magazine inspection, and line outs will be conducted at the conclusion of firing and before any Marines leave the range. | II/D=3 | RSO will ensure that the ammo storage point is supervised at all times. Each Marine will be lined out at the completion of each live run. | PSOs will clear out all weapons and magazines following each course of fire. RSO will conduct a line out of all gear prior to the conduct of live fire training. |

ENCLOSURE (3)

| | | | | | | | |
|-----------|-------------------|---|--------|---|--------|---|--|
| Execution | Skeletal Injuries | Uneven Terrain | II/B=2 | PSOs will walk the terrain. RSO will give a safety brief covering all hazardous terrain encompassed in the range. Each Marine will use proper movement techniques when moving while firing. | II/D=4 | Range Safety Brief giving an orientation to R206 terrain. Any hazardous terrain will be identified and marked or removed. | RSO will ensure all hazardous terrain is marked and briefed to the Marines. |
| Execution | Hearing Loss | Weapons firing in close proximity to unprotected Marines. | IV/B=4 | Safety brief covers safe use of ammunition with hearing protection. Corpsman provides hearing protection at safety brief if needed. | IV/C=5 | PSOs will inspect that all Marines utilize the necessary PPE when conducting the range. | PSOs will inspect all shooters prior to conducting live-fire. |
| Execution | Heat Injuries | Dehydration as a result of minimal water consumption or excessive exposure to sunlight. | IV/B=4 | Marines will bring a full camelback to R212 and will be given ample opportunities to consume water, apply sunscreen and eat during the time spent at the range. | IV/D=5 | NCOs will ensure their Marines are consistently hydrating and applying sunscreen as needed. | RSO will ensure that PSOs are engaged with the Marines and preventing heat injuries. |

ENCLOSURE (2)

HAZARD SEVERITY

I - CATASTROPHIC- Death, permanent disability, major property damage
II - CRITICAL - Permanent partial disability, major system or minor property damage
III - MARGINAL - Minor injury, minor system or property damage
IV - NEGLIGABLE - 1st aid, minor system repair

MISHAP PROBABILITY

A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY

RISK ASSESSMENT CODE (RAC)

1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL

RAC ASSESSMENT CODE MATRIX

| HAZARD SEVERITY | MISHAP PROBABILITY | | | | |
|------------------------|--------------------|---|---|---|---|
| | | A | B | C | D |
| | I | 1 | 1 | 2 | 3 |
| | II | 1 | 2 | 3 | 4 |
| | III | 2 | 3 | 4 | 5 |
| | IV | 3 | 4 | 5 | 5 |

COMMAND REVIEW/APPROVAL

OIC: : _____

: _____

: _____

: _____

RSO: : _____

: _____

: _____

: _____

Company CO : _____

Reg OPSO : _____

ENCLOSURE (2)

TABLE 3 UNKNOWN DISTANCE DAY (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | EXPOSURE TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|------------|------------|-------------------|----------------------|---------------|--------------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | 1 MIN | PRONE | 3 | 15 |
| MID RANGE | 40-60 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED STANDING | 1 | 4 |
| MID RANGE | 90-110 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 140-160 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 180-200 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| LONG RANGE | 200-300 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 300-400 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 400-500 | ENGAGE UNTIL DOWN | 6 | 30 SEC | SUPPORTED PRONE | 1 | 6 |
| TOTAL | | | | | | | 45 |

TABLE 3 UNKNOWN DISTANCE DAY (PRE-EVALUATION AND EVALUATION)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | EXPOSURE TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|------------|------------|-------------------|----------------------|---------------|--------------------|--------------|--------------|
| MID RANGE | 40-60 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED STANDING | 1 | 4 |
| MID RANGE | 90-110 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 140-160 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| MID RANGE | 180-200 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED KNEELING | 1 | 4 |
| LONG RANGE | 200-300 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 300-400 | ENGAGE UNTIL DOWN | 4 | 20 SEC | SUPPORTED PRONE | 1 | 4 |
| LONG RANGE | 400-500 | ENGAGE UNTIL DOWN | 6 | 30 SEC | SUPPORTED PRONE | 1 | 6 |
| TOTAL | | | | | | | 30 |

ENCLOSURE (GL)

TABLE 3 UNKNOWN DISTANCE DAY (TRAINING)

| Stage | Meter line | Engagement | Rounds per exposure | Exposure Time | Position(s) | Iteration(s) | Total rounds |
|---|------------|-------------------|---------------------|---------------|--------------------|--------------|--------------|
| Zero/hold confirmation | 100 | Zero confirmation | 5 | 1 min | Prone | 3 | 15 |
| "TOWER NCO"-riflemen, make a condition one weapon. It is your responsibility to keep your weapon in the best firing condition possible. This is your 100m zero confirmation. You will have 1 minute to fire a 5 round group from the prone position. You will repeat this engagement 3 times in order to achieve the best possible group. You may engage when your threat appears. "TOWER NCO"-same engagement, engage "TOWER NCO"-same engagement, engage "TOWER NCO"-riflemen record those last groups and prepare to move. Stay online with me and move. | | | | | | | |
| Mid-Range | 40-60 | Engage until down | 4 | 20 sec | Supported Standing | 1 | 4 |
| "TOWER NCO"-riflemen you are now in an engagement area that requires you to engage threats at unknown distances. Your next drill will be fired from a supported standing position; you are required to engage until your target is down. Engage threats in your sector as they appear. (pause) cease fire! | | | | | | | |
| Mid-Range | 90-110 | Engage until down | 4 | 20 sec | Supported Kneeling | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 140-160 | Engage until down | 4 | 20 sec | Supported Kneeling | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 180-200 | Engage until down | 4 | 20 sec | Supported Kneeling | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Long Range | 200-300 | Engage until down | 4 | 20 sec | Supported Prone | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Long Range | 300-400 | Engage until down | 4 | 20 sec | Supported Prone | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Long Range | 400-500 | Engage until down | 6 | 30 sec | Supported Prone | 1 | 6 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire., cease fire, all stationary threats have been eliminated (pause) unload show clear. | | | | | | | |
| Total | | | | | | | 45 |

ENCLOSURE (62)

TABLE 3 UNKNOWN DISTANCE DAY (PRE-EVALUATION/EVALUATION)

| Stage | Meter line | Engagement | Rounds per exposure | Exposure Time | Position(s) | Iteration(s) | Total rounds |
|--|------------|-------------------|---------------------|---------------|--------------------|--------------|--------------|
| Mid-Range | 40-60 | Engage until down | 4 | 20 sec | Supported Standing | 1 | 4 |
| "TOWER NCO"-riflemen you are now in an engagement area that requires you to engage threats at unknown distances. Your next drill will be fired from a supported standing position; you are required to engage until your target is down. Engage threats in your sector as they appear. (pause) cease fire! | | | | | | | |
| Mid-Range | 90-110 | Engage until down | 4 | 20 sec | Supported Kneeling | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 140-160 | Engage until down | 4 | 20 sec | Supported Kneeling | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 180-200 | Engage until down | 4 | 20 sec | Supported Kneeling | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Long Range | 200-300 | Engage until down | 4 | 20 sec | Supported Prone | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. "TOWER NCO"- same drill, engage, cease fire | | | | | | | |
| Long Range | 300-400 | Engage until down | 4 | 20 sec | Supported Prone | 1 | 4 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Long Range | 400-500 | Engage until down | 6 | 20 sec | Supported Prone | 1 | 6 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire., cease fire, all stationary threats have been eliminated (pause) unload show clear. | | | | | | | |
| Total | | | | | | | 30 |

ENCLOSURE (62)

TABLE 4 UNKNOWN DISTANCE NIGHT (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | EXPOSURE TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|-----------|------------|-------------------|----------------------|---------------|--------------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | 1 MIN | PRONE | 3 | 15 |
| MID RANGE | 40-60 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED STANDING | 1 | 5 |
| MID RANGE | 90-110 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED KNEELING | 1 | 5 |
| MID RANGE | 140-160 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED PRONE | 1 | 5 |
| MID RANGE | 180-200 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED PRONE | 1 | 5 |
| TOTAL | | | | | | | 35 |

TABLE 4 UNKNOWN DISTANCE NIGHT (PRE-EVALUATION AND EVALUATION)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | EXPOSURE TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|-----------|------------|-------------------|----------------------|---------------|--------------------|--------------|--------------|
| MID RANGE | 40-60 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED STANDING | 1 | 5 |
| MID RANGE | 90-110 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED KNEELING | 1 | 5 |
| MID RANGE | 140-160 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED PRONE | 1 | 5 |
| MID RANGE | 180-200 | ENGAGE UNTIL DOWN | 5 | 20 SEC | SUPPORTED PRONE | 1 | 5 |
| TOTAL | | | | | | | 20 |

ENCLOSURE (62)

TABLE 4 UNKNOWN DISTANCE NIGHT (TRAINING)

| Stage | Meter line | Engagement | Rounds per exposure | Exposure Time | Position(s) | Iteration(s) | Total rounds |
|---|------------|-------------------|---------------------|---------------|--------------------|--------------|--------------|
| Zero/hold confirmation | 100 | Zero confirmation | 5 | 1 min | Prone | 3 | 15 |
| "TOWER NCO"-riflemen, make a condition one weapon. It is your responsibility to keep your weapon in the best firing condition possible. This is your 100m zero confirmation. You will have 1 minute to fire a 5 round group from the prone position. You will repeat this engagement 3 times in order to achieve the best possible group. You may engage when your threat appears. "TOWER NCO"-same engagement, engage "TOWER NCO"-same engagement, engage "TOWER NCO"-riflemen record those last groups and prepare to move. Stay online with me and move. | | | | | | | |
| Mid-Range | 40-60 | Engage until down | 5 | 20 sec | Supported Standing | 1 | 5 |
| "TOWER NCO"-riflemen you are now in an engagement area that requires you to engage threats at unknown distances. your next drill will be fired from a supported standing position; you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 90-110 | Engage until down | 5 | 20 sec | Supported Kneeling | 1 | 5 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 140-160 | Engage until down | 5 | 20 sec | Supported Prone | 1 | 5 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 180-200 | Engage until down | 5 | 20 sec | Supported Standing | 1 | 5 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire, cease fire, all stationary threats have been eliminated (pause) unload show clear | | | | | | | |
| Total | | | | | | | 35 |

TABLE 4 UNKNOWN DISTANCE NIGHT (PRE-EVALUATION/EVALUATION)

| Stage | Meter line | Engagement | Rounds per exposure | Time | Position(s) | Iteration(s) | Total rounds |
|--|------------|-------------------|---------------------|--------|--------------------|--------------|--------------|
| Mid-Range | 40-60 | Engage until down | 5 | 20 sec | Supported Standing | 1 | 5 |
| "TOWER NCO"-riflemen you are now in an engagement area that requires you to engage threats at unknown distances. your next drill will be fired from a supported standing position; you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 90-110 | Engage until down | 5 | 20 sec | Supported Kneeling | 1 | 5 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported kneeling position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 140-160 | Engage until down | 5 | 20 sec | Supported Prone | 1 | 5 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire. | | | | | | | |
| Mid-Range | 180-200 | Engage until down | 5 | 20 sec | Supported Standing | 1 | 5 |
| "TOWER NCO"-riflemen your next drill will be fired from a supported prone position, you are required to engage until your target is down. (pause) cease fire, cease fire, all stationary threats have been eliminated (pause) unload show clear | | | | | | | |
| Total | | | | | | | 20 |

ENCLOSURE (62)

TABLE 5 SHORT RANGE DAY (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|-------------------------------|------------|------------------------|----------------------|-------|--------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | 1 MIN | PRONE | 3 | 15 |
| SHORT RANGE STAGE 1 | 5 | HEAD SHOT | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | FAILURE TO STOP | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 2 | 10 | HEAD SHOT | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 3 | 15 | PELVIC | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 4 | 25 | PELVIC | 1 | 5 SEC | STANDING | 3 | 3 |
| | | CONTROLLED PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| SHORT RANGE STAGE 5 FWD MVMNT | 25-15 | BOX DRILL | 6 | N/A | FWD MOVEMENT | 1 | 6 |
| | 15-10 | FAILURE TO STOP PELVIC | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| | 10-5 | FAILURE TO STOP HEAD | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| TOTAL | | | | | | | 85 |

ENCLOSURE (62)

TABLE 5 SHORT RANGE DAY (PRE-EVALUATION AND EVALUATION)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|---------|------------|------------------------|----------------------|-------|--------------|--------------|--------------|
| STAGE 1 | 25 | CONTROLLED PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| | 25-15 | BOX DRILL | 6 | N/A | FWD MOVEMENT | 1 | 6 |
| STAGE 2 | 15 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| | 15-10 | FAILURE TO STOP | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| STAGE 3 | 10 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | HEAD SHOT | 1 | 5 SEC | STANDING | 1 | 1 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| | 10-5 | FAILURE TO STOP HEAD | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| STAGE 4 | 5 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | HEAD SHOT | 1 | 5 SEC | STANDING | 1 | 1 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| TOTAL | | | | | | | 60 |

ENCLOSURE (82)

TABLE 5 SHORT RANGE DAY (TRAINING)

| Stage | Meter line | Engagement | Rounds per exposure | Time | Position(s) | Iteration(s) | Total rounds |
|---|------------|--------------------------|---------------------|-------|-------------|--------------|--------------|
| Zero/hold confirmation | 100 | Zero confirmation | 5 | 1 min | Prone | 3 | 15 |
| "TOWER NCO"-riflemen, make a condition one weapon. It is your responsibility to keep your weapon in the best firing condition possible. This is your 100m zero confirmation. You will have 1 minute to fire a 5 round group from the prone position. You will repeat this engagement 3 times in order to achieve the best possible group. You may engage when your threat appears. "TOWER NCO"-same engagement, engage "TOWER NCO"-same engagement, engage "TOWER NCO"-riflemen record those last groups and prepare to move. Stay online with me and move. | | | | | | | |
| Short range engagement | 5 | Precision Shot (head) | 1 | 5 sec | Standing | 3 | 3 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE HEAD SHOT. YOU WILL CONDUCT THIS DRILL 3TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 5 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A HAMMER PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 5 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. "TOWER NCO"-CEASE FIRE! CEASE FIRE! (PAUSE) CONSOLIDATE AND PREPARE TO MOVE. STAY ONLINE WITH ME AND MOVE! | | | | | | | |
| Short range engagement | 10 | Precision Shot (Head) | 1 | 5 sec | Standing | 3 | 3 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE HEAD SHOT. YOU WILL CONDUCT THIS DRILL 3 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 10 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A HAMMER PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 10 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. "TOWER NCO"-CEASE FIRE! CEASE FIRE! (PAUSE) CONSOLIDATE AND PREPARE TO MOVE. STAY ONLINE WITH ME AND MOVE! | | | | | | | |
| Short range engagement | 15 | Precision Shot (Pelvic) | 1 | 5 sec | Standing | 3 | 3 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE PELVIC SHOT. YOU WILL CONDUCT THIS DRILL 3 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 15 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A HAMMER PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 15 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 15 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. "TOWER NCO"-CEASE FIRE! CEASE FIRE! (PAUSE) CONSOLIDATE AND PREPARE TO MOVE. STAY ONLINE WITH ME AND MOVE! | | | | | | | |
| Short range | 25 | Precision Shot (Pelvic) | 1 | 5 sec | Standing | 3 | 3 |

ENCLOSURE (62)

| | | | | | | | |
|--|-------|--------------------------|---|-------|------------------|-------|----|
| engagement | | | | | | | |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE PELVIC SHOT. YOU WILL CONDUCT THIS DRILL 3 TIMES. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 25 | Controlled pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A CONTROLLED PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 25 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25-15 | Box Drill | 6 | N/A | Forward movement | 1 | 6 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A BOX DRILL WHILE CONDUCTING FORWARD MOVEMENT FROM THE 25M TO THE 15M LINE. STAND BY. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 15-10 | Failure to stop (Pelvic) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A FAILURE TO STOP DRILL TO THE PELVIC REGION WHILE MOVING FROM THE 15M TO 10M LINE. STAND BY. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 10-5 | Failure to stop (Head) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP TO THE HEAD WHILE MOVING FROM THE 10M TO 5M LINE. STAND BY "MOVE" CEASE FIRE, ALL STATIONARY THREATS HAVE BEEN ELIMINATED (PAUSE) UNLOAD SHOW CLEAR. | | | | | | | |
| | | | | | | Total | 85 |

ENCLOSURE (62)

TABLE 5 SHORT RANGE DAY (PRE-EVALUATION/EVALUATION)

| Stage | Meter line | Engagement | Rounds per exposure | Time | Position(s) | Iteration(s) | Total rounds |
|--|------------|--------------------------|---------------------|-------|------------------|--------------|--------------|
| Short range engagement | 25 | Controlled pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A PELVIC SHOT. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-YOUR NEXT DRILL WILL CONTROLLED PAIR.YOU WILL FIRE THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 25 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25-15 | Box Drill | 6 | N/A | Forward movement | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL WHILE CONDUCTING FORWARD MOVEMENT FROM THE 25M TO THE 15M LINE. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 15 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR NEXT DRILL WILL BE A HAMMER PAIR YOU WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 15 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 15 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 15-10 | Failure to stop (Pelvic) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC REGION WHILE CONDUCTING FORWARD MOVEMENT FROM THE 15M TO THE 10M LINE. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR NEXT DRILL WILL BE A HAMMER PAIR. YOU WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 10 | Precision Shot (Head) | 1 | 5 sec | Standing | 1 | 1 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE HEAD SHOT. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10-5 | Failure to stop (Head) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD WHILE CONDUCTING FORWARD MOVEMENT FROM THE 10M TO THE 5M LINE. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 5 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR NEXT DRILL WILL BE A HAMMER PAIR. YOU WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 5 | Precision Shot (head) | 1 | 5 sec | Standing | 1 | 1 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE SINGLE HEAD SHOT. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |

ENCLOSURE 62

| | | | | | | | |
|--|---|------------------------|---|-------|----------|---|----|
| Short range engagement | 5 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO" - YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. ALL STATIONARY THREATS HAVE BEEN ELIMINATED <u>(PAUSE)</u> UNLOAD SHOW CLEAR. | | | | | | | |
| Total | | | | | | | 60 |

ENCLOSURE (62)

TABLE 6 SHORT RANGE NIGHT (TRAINING)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|-------------------------|------------|------------------------|----------------------|-------|--------------|--------------|--------------|
| ZEROING | 100 | ZEROING EXERCISE | 5 | 1 MIN | PRONE | 3 | 15 |
| STAGE 1 | 5 | HEAD SHOT | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | FAILURE TO STOP | 3 | 5 SEC | STANDING | 1 | 3 |
| STAGE 2 | 10 | HEAD SHOT | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| STAGE 3 | 15 | PELVIC | 1 | 5 SEC | STANDING | 3 | 3 |
| | | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| STAGE 4 | 25 | PELVIC | 1 | 5 SEC | STANDING | 3 | 3 |
| | | CONTROLLED PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| STAGE 5 FWD MVMNT | 25-15 | BOX DRILL | 6 | N/A | FWD MOVEMENT | 1 | 6 |
| | 15-10 | FAILURE TO STOP PELVIC | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| | 10-5 | FAILURE TO STOP HEAD | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| TOTAL | | | | | | | 85 |

TABLE 6 SHORT RANGE NIGHT (PRE-EVALUATION AND EVALUATION)

| STAGE | METER LINE | DRILL | ROUNDS PER ITERATION | TIME | POSITION(S) | ITERATION(S) | TOTAL ROUNDS |
|---------|------------|------------------------|----------------------|-------|--------------|--------------|--------------|
| STAGE 1 | 25 | CONTROLLED PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| | 25-15 | BOX DRILL | 6 | N/A | FWD MOVEMENT | 1 | 6 |
| STAGE 2 | 15 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP PELVIC | 3 | 5 SEC | STANDING | 1 | 3 |
| | 15-10 | FAILURE TO STOP | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| STAGE 3 | 10 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | HEAD SHOT | 1 | 5 SEC | STANDING | 1 | 1 |
| | | BOX DRILL | 6 | 5 SEC | STANDING | 1 | 6 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| | 10-5 | FAILURE TO STOP HEAD | 3 | N/A | FWD MOVEMENT | 1 | 3 |
| STAGE 4 | 5 | HAMMER PAIR | 2 | 5 SEC | STANDING | 2 | 4 |
| | | HEAD SHOT | 1 | 5 SEC | STANDING | 1 | 1 |
| | | FAILURE TO STOP HEAD | 3 | 5 SEC | STANDING | 1 | 3 |
| TOTAL | | | | | | | 60 |

ENCLOSURE (62)

TABLE 6 SHORT RANGE NIGHT (TRAINING)

| Stage | Meter line | Engagement | Rounds per exposure | Time | Position(s) | Iteration(s) | Total rounds |
|---|------------|--------------------------|---------------------|-------|-------------|--------------|--------------|
| Zero/hold confirmation | 100 | Zero confirmation | 5 | 1 min | Prone | 3 | 15 |
| "TOWER NCO"-riflemen, make a condition one weapon. It is your responsibility to keep your weapon in the best firing condition possible. This is your 100m zero confirmation. You will have 1 minute to fire a 5 round group from the prone position. You will repeat this engagement 3 times in order to achieve the best possible group. You may engage when your threat appears. "TOWER NCO"-same engagement, engage "TOWER NCO"-same engagement, engage "TOWER NCO"-riflemen record those last groups and prepare to move. Stay online with me and move. | | | | | | | |
| Short range engagement | 5 | Precision Shot (head) | 1 | 5 sec | Standing | 3 | 3 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE HEAD SHOT. YOU WILL CONDUCT THIS DRILL 3TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 5 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A HAMMER PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 5 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. "TOWER NCO"-CEASE FIRE! CEASE FIRE! (PAUSE) CONSOLIDATE AND PREPARE TO MOVE. STAY ONLINE WITH ME AND MOVE! | | | | | | | |
| Short range engagement | 10 | Precision Shot (Head) | 1 | 5 sec | Standing | 3 | 3 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE HEAD SHOT. YOU WILL CONDUCT THIS DRILL 3 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 10 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A HAMMER PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 10 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. "TOWER NCO"-CEASE FIRE! CEASE FIRE! (PAUSE) CONSOLIDATE AND PREPARE TO MOVE. STAY ONLINE WITH ME AND MOVE! | | | | | | | |
| Short range engagement | 15 | Precision Shot (Pelvic) | 1 | 5 sec | Standing | 3 | 3 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE PELVIC SHOT. YOU WILL CONDUCT THIS DRILL 3 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 15 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A HAMMER PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 15 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 15 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. "TOWER NCO"-CEASE FIRE! CEASE FIRE! (PAUSE) CONSOLIDATE AND PREPARE TO MOVE. STAY ONLINE WITH ME AND MOVE! | | | | | | | |
| Short range | 25 | Precision Shot (Pelvic) | 1 | 5 sec | Standing | 3 | 3 |

ENCLOSURE (42)

| | | | | | | | |
|--|-------|--------------------------|---|-------|------------------|----|---|
| engagement | | | | | | | |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE PELVIC SHOT. YOU WILL CONDUCT THIS DRILL 3 TIMES. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 25 | Controlled pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A CONTROLLED PAIR YOUR WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 25 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25-15 | Box Drill | 6 | N/A | Forward movement | 1 | 6 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A BOX DRILL WHILE CONDUCTING FORWARD MOVEMENT FROM THE 25M TO THE 15M LINE. STAND BY. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 15-10 | Failure to stop (Pelvic) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"- YOUR NEXT DRILL WILL BE A FAILURE TO STOP DRILL TO THE PELVIC REGION WHILE MOVING FROM THE 15M TO 10M LINE. STAND BY. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 10-5 | Failure to stop (Head) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP TO THE HEAD WHILE MOVING FROM THE 10M TO 5M LINE. STAND BY "MOVE" CEASE FIRE, ALL STATIONARY THREATS HAVE BEEN ELIMINATED (PAUSE) UNLOAD SHOW CLEAR. | | | | | | | |
| Total | | | | | | 85 | |

TABLE 6 RANGE NIGHT (PRE-EVALUATION/EVALUATION)

| Stage | Meter line | Engagement | Rounds per exposure | Time | Position(s) | Iteration(s) | Total rounds |
|--|------------|--------------------------|---------------------|-------|------------------|--------------|--------------|
| Short range engagement | 25 | Controlled pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A PELVIC SHOT. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-YOUR NEXT DRILL WILL CONTROLLED PAIR.YOU WILL FIRE THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 25 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 25-15 | Box Drill | 6 | N/A | Forward movement | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL WHILE CONDUCTING FORWARD MOVEMENT FROM THE 25M TO THE 15M LINE. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 15 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR NEXT DRILL WILL BE A HAMMER PAIR YOU WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 15 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 15 | Failure to Stop (Pelvic) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 15-10 | Failure to stop (Pelvic) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP PELVIC REGION WHILE CONDUCTING FORWARD MOVEMENT FROM THE 15M TO THE 10M LINE. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR NEXT DRILL WILL BE A HAMMER PAIR. YOU WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 10 | Precision Shot (Head) | 1 | 5 sec | Standing | 1 | 1 |
| "TOWER NCO"-RIFLEMEN YOUR FIRST DRILL WILL BE A SINGLE HEAD SHOT. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Box Drill | 6 | 5 sec | Standing | 1 | 6 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE A BOX DRILL. STAND BY. "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |
| Short range engagement | 10-5 | Failure to stop (Head) | 3 | N/A | Forward movement | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD WHILE CONDUCTING FORWARD MOVEMENT FROM THE 10M TO THE 5M LINE. "MOVE" CEASE FIRE. | | | | | | | |
| Short range engagement | 5 | Hammer Pair | 2 | 5 sec | Standing | 2 | 4 |
| "TOWER NCO"-RIFLEMEN YOUR NEXT DRILL WILL BE A HAMMER PAIR. YOU WILL CONDUCT THIS DRILL 2 TIMES. STAND BY. "CONTACT" CEASE FIRE. "TOWER NCO"-SAME DRILL, ENGAGE, CEASE FIRE | | | | | | | |
| Short range engagement | 5 | Precision Shot (head) | 1 | 5 sec | Standing | 1 | 1 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE SINGLE HEAD SHOT. STAND BY "CONTACT" CEASE FIRE. | | | | | | | |

ENCLOSURE (62)

| | | | | | | | |
|---|---|------------------------|---|-------|----------|---|----|
| Short range engagement | 5 | Failure to Stop (Head) | 3 | 5 sec | Standing | 1 | 3 |
| "TOWER NCO"-YOUR NEXT DRILL WILL BE FAILURE TO STOP HEAD. STAND BY "CONTACT" CEASE FIRE. ALL STATIONARY THREATS HAVE BEEN ELIMINATED (PAUSE) UNLOAD SHOW CLEAR. | | | | | | | |
| Total | | | | | | | 60 |

ENCLOSURE (62)

RANGE SPECIAL INSTRUCTIONS

Date Revised - 19 March, 2019

FACE-TO-FACE REQUIRED FOR ALL TRAINING

| | | | |
|--|---|---|--|
| Range: R-212 Complex | Location: 54904 93962 | Allowable Wpns: | Vehicles: |
| Elevation: 600 AMSL | Impact Area: Whiskey | Rifles - 5.56mm and below Pistols - .45 cal and below Service Shotgun - (All) | 1. Road & River Report Dependent. 2. Maximum of five (5) POVs (Truck like) are authorized to park in the parking area with or without a POV pass. |
| Troop Penetration: Not beyond Movement Box | | | |
| Type: BZO/CMP/EMP Unknown Distance | Engagement Distance: R212A - BZO Min 36 yards, Max 36 yards R212 - CMP/EMP/Unknown Min 3 meters, Max 400 meters | | |

THIS NOT A CONTRACTOR SUPPORTED RANGE

Range Facilities: Bleachers, Ammo tables, Ammo shelter



Scheduling

1. If a unit wishes to utilize PITS targets on this range, contact Training Resources Management Division at (760) 725-4444.
2. Scheduling of this range must be submitted to Range Scheduling via RFMSS.

Closed To Any Use

Facility May Still Be Used With Restrictions

| Facility Occupied, or in Training/Live Fire Status | Effects to R212 Complex |
|--|--|
| 1-IMP Whiskey | Check Fire All Weapons Except Pistol and Shotgun |
| R-210F (DOWN Rng past 300m) | Check Fire 3 50mm on R212 for Down Range Mvt on R210F Past 300m (R212A OK) |

OIC/RSO Requirements

1. A safety Brief must be conducted prior to each live fire event to all participants.
2. All personnel must wear required appropriate PPE during all training events.
3. OIC & RSO Requirements -
 - a. Small Arms
 - i. OIC Requirement - SSgt or Above
 - ii. RSO Requirement - Sgt or Above
 - b. No Munitions
 - i. OIC Requirement - None
 - ii. RSO Requirement - Cpl or Above
 - c. When utilizing R212 or R212A, unit can utilize (1) OIC and (2) RSOs for both ranges.

Special Instructions Continued on Next page

ENCLOSURE (62)

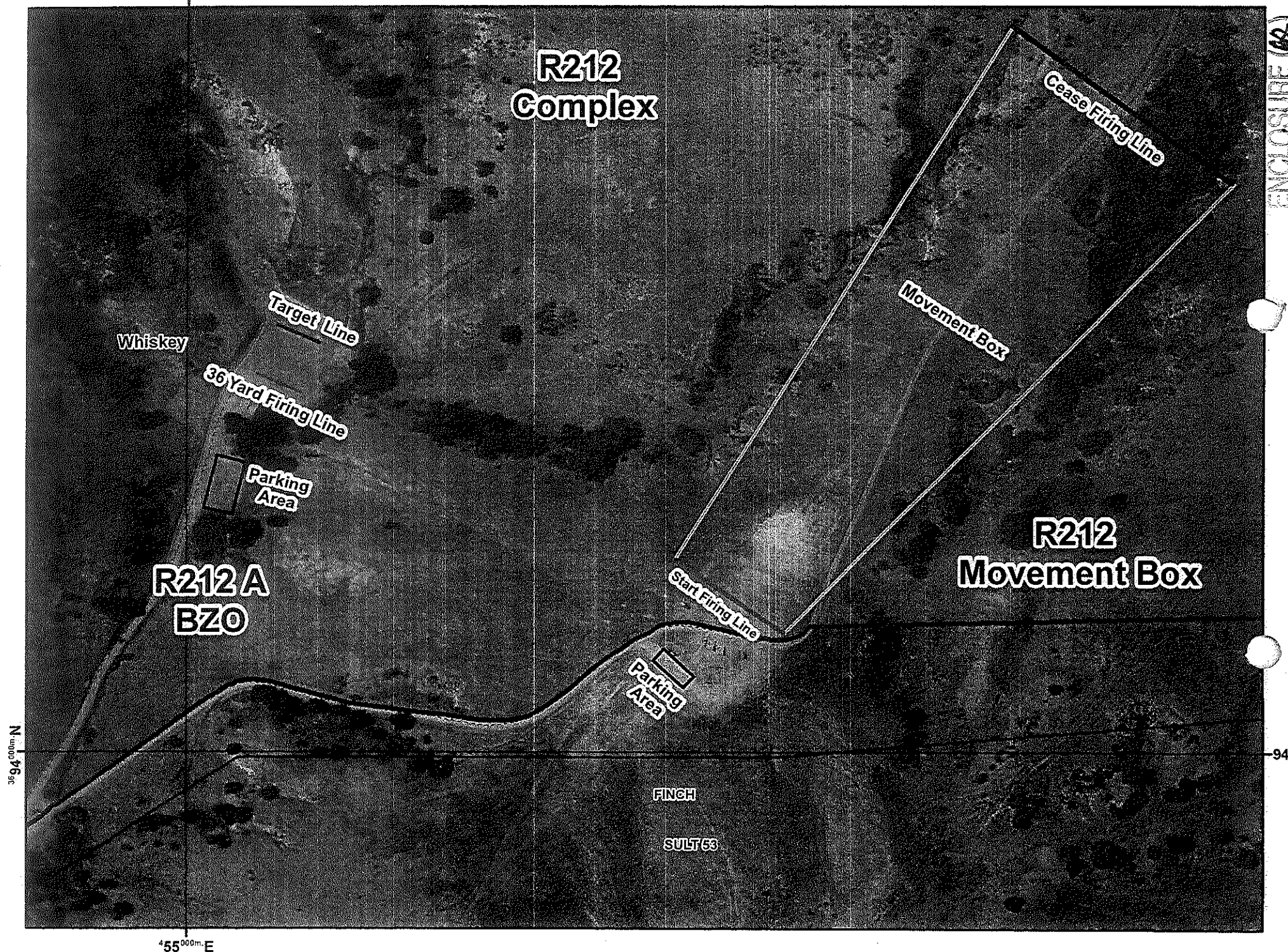
RANGE SPECIAL INSTRUCTIONS

R212A 36 yard BZO Range

1. Steel Targets, of any type, are not authorized on this range.
2. When conducting 36 yard BZO Training the RSO Must Ensure:
 - a. Prone position is the ONLY authorized firing position.
 - b. BZO is conducted on the depicted 36 yard firing line.
 - c. All targets emplaced by the unit are laid in with compass and no higher than 3 feet.
3. BZO targets are placed on the depicted 36 yard target line.
4. All BZO Targets are made of softwood uprights with cardboard backing.
5. Sandbags are used on any metal bases. Bases must be made of soft metal.
6. If pallets and engineer stakes are used, engineer stakes must be placed on the outside edges of the pallets.
7. Firing Data:
 - 36 Yard Firing Line
 - 55043 94238 to 55069 94227
 - Lateral Limits:
 - LLL: 012° mag
 - RLL: 012° mag

R212 5.56mm and Below Movement Box

1. When conducting EMP/CMP or Unknown distance Training the RSO Must Ensure:
 - a. Steel (Plate Type) Targets are not authorized on range.
 - b. All EMP/CMP or Unknown distance Training is conducted in the depicted movement box.
 - c. All Unknown distance targets are emplaced in the movement box.
 - d. All Unknown distance targets are laid in with compass.
 - e. All Unknown distance shooters are laid in with a compass prior to firing multiple target engagement and to stay within the range lateral limits.
 - f. All EMP/CMP Targets are made of softwood uprights with cardboard backing.
 - g. Sandbags are used on any metal bases. Bases must be made of soft metal.
 - h. If pallets and engineer stakes are used, engineer stakes must be placed on the outside edges of the pallets.
 - i. No engagement on pallets closer than 7 yards.
2. Firing Data:
 - Start Firing Line
 - 55304 94120 to 55373 94075
 - Cease Firing Line
 - 55515 94456 to 55656 94356
 - Lateral Limits:
 - LLL: 020° mag
 - RLL: 033° mag





UNITED STATES MARINE CORPS
3D ASSAULT AMPHIBIAN BATTALION
1ST MARINE DIVISION, (REIN)
MCB BOX 555574
CAMP PENDLETON, CA 92055-5574

IN REPLY REFER TO
3500
H&S Co
29 Jan 20

From: Platoon Commander, 15th MEU Platoon
To: Operations Officer, 3d Assault Amphibian Battalion
Via: Company Commander, H&S Company

Subj: DIRECT FIRE GUNNERY TABLES III-VI

Ref: (a) MCTP 3-10C EMPLOYMENT
(b) NAVMC 3500.2C (T&R MANUAL)
(c) NAVMC 3500.2 AAV COMMON SOP
(d) BN ORDER 3500.1D MCB RANGE REGULATION
(e) MCO 3570.1C RANGE SAFETY

Encl: (1) Concept of Operations
(2) Route
(3) Timeline
(4) Weather report
(5) Gear list
(6) ORM
(7) Range Regulations

1. Situation: 15th MEU platoon is preparing to conduct direct fire gunnery tables (DFGT) III through VI live-fire evaluation at range 222 Camp Pendleton from 12-16 February. Due to the pre deployment training plan (PTP) requirements for Native Fury 2020, it is essential that 15th MEU platoon is 100% qualified up to Gunnery Skills Table (GST) VI.

2. Mission: From 12-16 February 15th MEU Platoon will conduct DFGT III-VI in order to (IOT) meet PTP requirements for Native Fury.

3. Execution:

a. Commanders Intent:

(1) Purpose: Accomplish prescribed PTP training requirements in preparation for Native Fury.

(2) Method: This training will be accomplished through instruction, rehearsals, and evaluation through the Marksmanship Training Unit (MTU) prior to the conduct of fire. Instruction and evaluation will focus on weapons handling and firing capabilities. Vehicle crews will execute rehearsals at the armory, ramp, and MTU prior to the platoon conducting live-fire. DFGT III-VI is conducted at Range 222.

(3) End State: All crews successfully qualify on DFGT III-VI.

b. Concept of Operations: This will be accomplished in four phases (Phase I-IV).

ENCLOSURE (62)

(1) Phase I: (PREPARATION) Phase one begins with the identified crews conducting the gateway to live-fire and prerequisite range GST qualifications. During this phase an operations order will be given and a range walkthrough will be conducted. Pre fire inspections (PFIs) and limited technical inspections (LTIs) will be conducted on all weapons. This phase ends once the necessary crews are pre live-fire qualified.

(2) Phase II: (MOVEMENT) This phase begins with all Marines and equipment accounted for and prepared to conduct movement. During this phase, Section Leaders will ensure all Marines and equipment are accounted for by conducting count before and after all movements. The platoon will conduct its movement from the 21 Area to R222. This phase ends with the 15th MEU Platoon occupying R222 on 12 February.

(3) Phase III: (DFGT III-VI) This phase begins with the 15th MEU Platoon occupying R222 on 12 February. During this phase the platoon will conduct DFGT III-VI. This consist of both day and night live fire training. This phase ends once all crews have completed and qualified on DFGT III-VI and the range is put into a cold status by Longrifle.

(4) Phase IV: (RANGE RETROGRADE) This stage begins when the range is called in cold to Longrifle. During this phase any leftover ammo will be turned in to the ammunition supply point (ASP). The range will be inspected and the platoon will depart back to the 21 area. Upon arrival the platoon will conduct post ops and wash-downs. This stage ends with the accountability of all remaining Marines and equipment in the 21 Area.

c. Tasks:

(1) Range Safety Officer/Platoon Sergeant:

T1: Ensure strict adherence to all safety rules and regulations for operating the AAV.

P1: IOT accomplish safe, effective training

T2: Determine the ambulance exchange points (AXP).

P2: IOT ensure an efficient casualty exchange.

T3: Determine road guard positions.

P3: IOT safely conduct the range and ensure adjacent units do not interfere with range SDZs.

T4: Provide rosters for Marines and EDL.

P4: IOT maintain accountability of personnel and equipment.

T5: Anticipate and send rapid requests as necessary.

P5: IOT allow for continuous operations at R222.

(2) Armorer:

T1: LTI/PFI all weapons in our armory and conduct PVS-14 checks.

P1: IOT verify all weapons and equipment is operational.

(2) Corpsman:

T1: Be prepared to establish the ambulance exchange point during the movement and training at R222.

P1: IOT facilitate efficient assessment, treatment, and transfer of any casualties.

d. Coordinating Instructions:

(1) No communication plan:

(a) 15th MEU Platoon will complete a minimum of four communications per day to Company headquarters or Battalion OOD. Near side communications will be established with battalion as per SOP (Mission card, EDL, departing friendly lines report).

(b) Communication with Battalion: All communication will be conducted per Battalion SOP via JBCP.

(c) Range control: If at any time the Platoon loses communication with Longrifle, training will cease until communication is re-established.

(d) Road Guards: Communications checks will be conducted once every hour at the bottom of the hour (:30) If a radio check is missed by one road guard training will continue until the second radio check is missed. All training will cease if two radio checks are missed.

(2) Lost Marine plan:

(a) All Marines will travel in pairs and inform their chain of command when they leave the immediate area. All Marines will carry a water source when departing the immediate area. In the event that a Marine has been identified as missing, all movement and training will cease. The platoon will gain accountability of all present personnel and equipment. Then a team of Marines will be sent to search the last known location of the lost Marine.

(b) Accountability will be conducted before and after any major movement. Once a Marine has been identified lost, Range control will be notified in order to prepare aerial search and rescue teams to assist in search.

(c) Lost Marine will remain in place until found. At all cost every attempt should be made to remain in place until absolutely required to displace from last known position. If Marine must displace a large marker will be made pointing in the direction of movement. That Marine will be looking for hardball road and follow it until they find another units command post and check in with the OOD. The lost Marine will contact the 3d AABN OOD, Platoon Commander, or Platoon Sergeant via the OOD.

(3) Vehicle Recovery Plan:

(a) Vehicle recovery plan: 5 minutes to identify, 10 minutes to fix, 15 minutes to rig for tow. The assistant section leader's vehicle is the primary recovery vehicle. The Platoon Sergeant's vehicle is the alternate.

If a vehicle breaks down and is unable to depart the ramp, the vehicles weapons will be stored in the Platoon Sergeant's vehicle. All attempted vehicle repairs after departing the ramp will be done in the field.

(b) Bump plan: Primary is the assistant section leaders vehicle. Alternate bump vehicle is the Platoon Sergeant's vehicle.

(4) Route: (See encl 2.)

(5) Timeline: (See encl 3.)

(6) Uniform and gear: (see encl 5.)

(7) Go/No GO criteria:

(a) Less than 6 operational AAVP7s

(b) If more than 50% of our weapons and optics are deadlined the platoon will reschedule the range.

4. Admin and Logistics:

a. Administration:

(1) Personnel count (MO/ME/NO/NE): 1/51/0/1

(2) Casualty Evacuation (CASEVAC) plan:

(a) Routine: If a routine casualty occurs, the corpsman present will evaluate the Marine and provide initial treatment. If additional treatment is needed, the Marine will be transported to the 21 Area Battalion Aid Station (BAS).

(b) Priority/Urgent: In the event of a priority or urgent casualty, all training will cease and Range Control will immediately be notified while the casualty is assessed by a corpsman and platoon staff. The casualty will be reported by either the OIC, RSO, or Corpsman. If the casualty is going to be transported by air a landing zone (LZ) will be established IVO of R222 or LZ Starling. Daytime LZ for air casualty evacuation will be marked by an air panel. Nighttime LZ for air CASEVAC will be marked by a chemstick buzz saw. If the casualty is to be transported via ground the casualty will be loaded to the safety vehicle and brought to the AXP which will be established at 11S MS 60374 92000.

b. Logistics:

(1) Water: 400gal Water bull

(2) Chow: 67 boxes of MREs

(3) Ammo: A576 25,400/B5412 2,232

(4) Port-a-johns: 5

5. Command and signal:

a. Command:

- (1) Platoon Commander, first in command, will be located at R222.
- (2) Platoon Sergeant, second in command, will be located at R222.
- (3) 1st Section Leader, third in command, will be located at R222.

b. Signal:

- (1) BATTALION: PRIMARY/ALTERN
- (2) 15th MEU PLATOON: PRIMARY
- (3) RANGE CONTROL: PRIMARY/AL

(b)(2)

(b)(3), (b)(6), (b)(7)(c)

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Range 222 DFGT III-VI
15th MEU Platoon
Confirmation Brief



Prepared by: (b)(3), (b)(6), (b)(7)(c)
20200129

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ENCLOSURE (2)



CONOPS Overview

Mission: From 12-16 February 15th MEU Platoon will conduct DFGT III-VI in order to (IOT) meet PTP requirements for Native Fury.

Commander's Intent:

- **Purpose:** Accomplish prescribed PTP training requirements in preparation for Native Fury.
- **Method:** This training will be accomplished through instruction, rehearsals, and evaluation through the Marksmanship Training Unit (MTU) prior to the conduct of fire. Instruction and evaluation will focus on weapons handling and firing capabilities. Vehicle crews will execute rehearsals at the armory, ramp, and MTU prior to the platoon conducting live-fire. DFGT III-VI is conducted at Range 222.
- **Endstate:** All crews successfully qualify on DFGT Tables III-VI.

T&R Standards:

3000 Level:
AAV-GNRY-3156

2000 Level:
1833-GNRY-2106
1833-GNRY-2107
1833-GNRY-2108

1000 Level:
1803-GNRY-1131/1833-GNRY-1131
1803-GNRY-1132/1833-GNRY-1132
1803-GNRY-1133
1803-GNRY-1134
1803-GNRY-1135

| T/O | Equipment | Class I | Class III | Class V | Class IX |
|----------|--|---------------------------------------|-----------------|---|----------|
| 1/51/0/1 | E TAMCN: E08467K- AAVP7 E08927M- MK19 E09807M- 50 | Chow: 67 Boxes MREs Water: 400 gal | Port-a-johns: 5 | DODIC A576- 25,400 B5412-2,232 Draw 20200212 Turn-In 20200116 | N/A |



COA Graphic/Narrative



Timeline:

12 Feb 0700 Movement to R222
 12 Feb 0800 Occupy R222
 12 Feb 0900 DFGT III, V
 12 Feb 1700 DFGT IV, VI
 12 Feb 2359 Range Cold
 13 Feb 0900 DFGT III, V
 13 Feb 1700 DFGT IV, VI
 13 Feb 2359 Range Cold
 14 Feb 0900 DFGT III, V
 14 Feb 1700 DFGT IV, VI
 14 Feb 2359 Range Cold
 15 Feb 0900 DFGT III, V
 15 Feb 1700 DFGT IV, VI
 15 Feb 2359 Range Cold
 16 Feb 0730 Movement to RAMP
 16 Feb 0900 Post Ops

COA Narrative: Phase 1 (PREPARATION): PFI/LTI will be conducted on all weapons. All Marines will conduct the gateway to live-fire and prerequisite range GST qualifications. The platoon will conduct a range walkthrough. **Phase 2 (MOVEMENT):** Marines and equipment will depart the 3d AABN RAMP to R222. **Phase 3 (DFGT TABLES III-VI):** Marines will execute Tables III-VI at R222. **Phase 4 (RETROGRADE):** The range will be inspected and the platoon will depart back to the 3d AABN RAMP. Upon arrival the platoon will conduct post ops and wash-downs.



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Contingencies

Coordinating Instructions:

- No Comm Plan
 - If at any time the Platoon loses communication with Longrifle, training will cease until communication is re-established
- Lost Marine Plan
 - In the event that a Marine has been identified as missing, all movement and training will cease. The platoon will gain accountability of all present personnel and equipment. Then a team of Marines will be sent to search the last known location of the lost Marine.
 - Lost Marine will remain in place until found. At all cost every attempt should be made to remain in place until absolutely required to displace from last known position. If Marine must displace a large marker will be made pointing in the direction of movement.
- Go/No Go Criteria
 - Less than 6 operational AAVP7A1s.
 - 50% of our weapons/optics are deadlined.

CASEVAC Plan:

Urgent/Priority- In the event of a priority or urgent casualty, all training will cease and Range Control will immediately be notified while the casualty is assessed by a corpsman and platoon staff. The casualty will be reported by either the OIC, RSO, or Corpsman. If the casualty is going to be transported by air a landing zone (LZ) will be established IVO of R222 or LZ Starling. Daytime LZ for air casualty evacuation will be marked by an air panel. Nighttime LZ for air CASEVAC will be marked by a chemstick buzz saw. If the casualty is to be transported via ground the casualty will be loaded to the safety vehicle and brought to the AXP which will be established at 11S MS 60374 92000.

Routine- If a routine casualty occurs, the corpsman present will evaluate the Marine and provide initial treatment. If additional treatment is needed, the Marine will be transported to the 21 Area Battalion Aid Station (BAS).

Command

- OIC
- RSO (b)(3), (b)(6), (b)(7)(c)

Signal

- Primary
- Alternat (b)(2)
- Tertiary
- Frequen

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ENCLOSURE (62)



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ORM



RAC ASSESSMENT CODE MATRIX

| H A Z A R D S E V E R I T Y | MISHAP PROBABILITY | | | | |
|--|--------------------|---|---|---|---|
| | | A | B | C | D |
| | I | 1 | 1 | 2 | 3 |
| | II | 1 | 2 | 3 | 4 |
| | III | 2 | 3 | 4 | 5 |
| | IV | 3 | 4 | 5 | 5 |

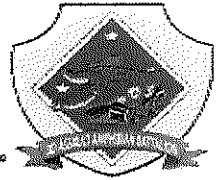
- **Most Dangerous Hazard 1: Marine wounded/killed by Up-Gunned Weapon System or ordnance.**
 - Cause: Weapons Malfunction caused by improper headspace and timing.
 - Mitigation: Armorer checks the headspace and timing of each .50 cal. Classes given on headspace and timing and Marines perform function week prior to going to the field, as well as redundancy checks for each firing vehicle. Ensure weapons have PFIs and LTIs, as necessary prior to live fire training.
 - Supervise: RSO/OIC verifies headspace and timing prior to live fire.
- **Most Dangerous Hazard 2: AAV/wheeled vehicle accident collision/ roll-over.**
 - Cause: Speeding, driver fatigue, passing of other units on roads, or lack of visibility.
 - Mitigation: Marines obey all posted speed limits. Marines are given adequate rest time prior to operating AAV. AAVs remain on right side of road and mind a safe distance from other vehicles while passing. AAVs decrease speed to less than 15mph when passing through dust clouds.
 - Supervise: Section leaders ensure section maintains proper speed limit. Vehicle commanders back-brief section leaders on rest plan for crew. Vehicle commanders verbally command drivers if they do not follow briefed techniques.
- **Most Likely Hazard 1: Injuries on AAVs.**
 - Cause: Marines injured by unsecured hatches, improperly stowed gear, burns, improper wearing of PPE.
 - Mitigation: All hatches and gear are strapped down according to SOP. All internal gear will be strapped down. Hands avoid the rim of the hatch when opening/closing or unsecured. FROG gear worn at all times.
 - Supervise: Section leaders inspect vehicles prior to conducting rehearsals for properly strapped hatches and equipment. Section Leaders ensure proper PPE is worn at all times. RSO ensures vehicle hatches secured, proper PPE utilized before AAV movement conducted.
- **Most Likely Hazard 2: Weather exposure casualties.**
 - Cause: Marines not eating/drinking properly. Excessive heat of vehicle when wearing PPE. Failing to put on or take off warming layers
 - Mitigation: Marines briefed on importance of nutrition/hydration in the field. Section leaders ensure adequate water on each vehicle prior to rehearsals. Section leaders ensure Marines are wearing appropriate warming layers.
 - Platoon sergeant ensures Marines are provided with food and water. Corpsman observes Marines to ensure they are not becoming weather casualties. Platoon commander monitors training to ensure AAV crewmen are given adequate rest time.

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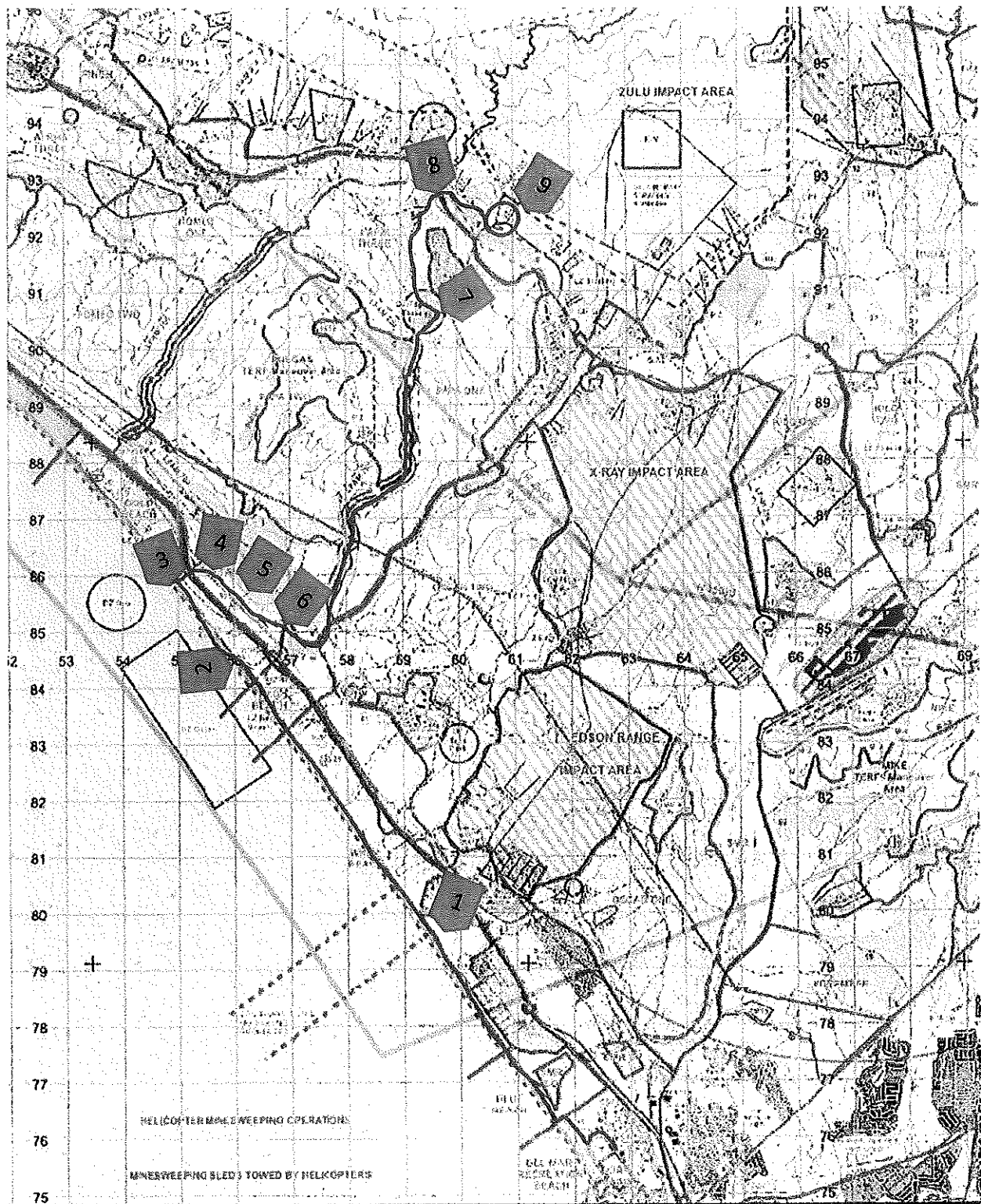
Questions



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ENCLOSURE (2)

ROUTE-R222 DFGT III-VI



Check Points:

- 1: 11S MS 5922 7995 (LCAC TOWER)
- 2: 11S MS 5586 8496 (WARRIORS COVE)
- 3: 11S MS 5509 8632 (HOLE IN THE WALL)
- 4: 11S MS 5593 8672 (EL CAMINO REAL)

- 5: 11S MS 5658 8596 (EL CAMINO REAL)
- 6: 11S MS 5765 8553 (PDL)
- 7: 11S MS 5927 9009 (MOUT TOWN)
- 8: 11S MS 5970 9274 (BASILONE ROAD CROSSING)
- 9: 11S MS 6085 9221 (R222)

Enclosure (2)

ENCLOSURE (2)

TIMELINE R222 DFGT III-VI

| Date | Time | Event | Location | POC |
|-------------|-------------|------------------------------------|-----------------|------------|
| 12 Feb | 0700 | Movement to R222 | 3d AABn RAMP | |
| 12 Feb | 0730 | Safety vic arrive/ammo drop off | R222 | |
| 12 Feb | 0800 | Occupy R222 | R222 | |
| 12 Feb | 0830 | Safety/PSO Brief | R222 | |
| 12 Feb | 0900 | Conduct DFGT III,V | R222 | |
| 12 Feb | 1630 | Night safety/PSO brief | R222 | |
| 12 Feb | 1700 | Conduct DFGT IV,VI | R222 | |
| 12 Feb | 2359 | Range cold/Bivoac | R222 | |
| 13 Feb | 0530 | Reveille | R222 | |
| 13 Feb | 0530 | Hygiene/Chow | R222 | |
| 13 Feb | 0630 | Safety/PSO Brief | R222 | |
| 13 Feb | 0700 | Conduct DFGT III,V | R222 | |
| 13 Feb | 1630 | Night safety/PSO brief | R222 | |
| 13 Feb | 1700 | Conduct DFGT IV,VI | R222 | |
| 13 Feb | 2359 | Range cold/Bivoac | R222 | |
| 14 Feb | 0530 | Reveille | R222 | |
| 14 Feb | 0530 | Hygiene/Chow | R222 | |
| 14 Feb | 0630 | Safety/PSO Brief | R222 | |
| 14 Feb | 0700 | Conduct DFGT III,V | R222 | |
| 14 Feb | 1630 | Night safety/PSO brief | R222 | |
| 14 Feb | 1700 | Conduct DFGT IV,VI | R222 | |
| 14 Feb | 2359 | Range cold/Bivoac | R222 | |
| 15 Feb | 0530 | Reveille | R222 | |
| 15 Feb | 0530 | Hygiene/Chow | R222 | |
| 15 Feb | 0630 | Safety/PSO Brief | R222 | |
| 15 Feb | 0700 | Conduct DFGT III,V | R222 | |
| 15 Feb | 1630 | Night safety/PSO brief | R222 | |
| 15 Feb | 1700 | Conduct DFGT IV,VI | R222 | |
| 15 Feb | 2359 | Range cold/Bivoac | R222 | |
| 16 Feb | 0530 | Reveille | R222 | |
| 16 Feb | 0530 | Hygiene/Chow | R222 | |
| 16 Feb | 0700 | Range inspection | R222 | |
| 16 Feb | 0700 | Ammo turn in | R222 | |
| 16 Feb | 0730 | Movement from R222 to 3d AABn RAMP | R222 | |
| 16 Feb | 0900 | Post Ops/Wash Downs/EDL turn in | 3d AABn RAMP | |
| 16 Feb | 1500 | Platoon secured | 3d AABn RAMP | |

(b)(3), (b)(6), (b)(7)(c)

Enclosure (3)

ENCLOSURE (62)

WEATHER REPORT R222 DFGT III-VI

| Weather | | Astronomical Data | |
|---------------|-----|-------------------------|------|
| 12 February | | 12 February | |
| Day of week | | Day of week | |
| Day | 66° | Sunset | 1731 |
| Precipitation | 65% | End Civil Twilight | 1756 |
| | | Moon 86% Illumination | |
| Night | 48° | Moon Rise | 2142 |
| Precipitation | 10% | Moon Set | 0908 |
| Weather | | Astronomical Data | |
| 13 February | | 13 February | |
| Wednesday | | Wednesday | |
| Day | 68° | Sunset | 1732 |
| Precipitation | 20% | End Civil Twilight | 1757 |
| | | Moon 76.5% Illumination | |
| Night | 46° | Moon Rise | 2249 |
| Precipitation | 10% | Moon Set | 0944 |
| Weather | | Astronomical Data | |
| 14 February | | 14 February | |
| Thursday | | Thursday | |
| Day | 68° | Sunset | 1733 |
| Precipitation | 10% | End Civil Twilight | 1758 |
| | | Moon 65.6% Illumination | |
| Night | 45° | Moon Rise | 2355 |
| Precipitation | 10% | Moon Set | 1058 |

Enclosure (4)

ENCLOSURE (2)

| Weather | | Astronomical Data | |
|---------------|-----|-------------------------|------|
| 15 February | | 15 February | |
| Friday | | Friday | |
| Day | 67° | Sunset | 1734 |
| Precipitation | 10% | End Civil Twilight | 1759 |
| | | Moon 54.2% Illumination | |
| Night | 45° | Moon Rise | N/A |
| Precipitation | 25% | Moon Set | 1058 |
| Weather | | Astronomical Data | |
| 16 February | | 16 February | |
| Saturday | | Saturday | |
| Day | 68° | Sunset | 1735 |
| Precipitation | 25% | End Civil Twilight | 1800 |
| | | Moon 42.8% Illumination | |
| Night | 47° | Moon Rise | 0100 |
| Precipitation | 25% | Moon Set | 1140 |

Enclosure (4)

ENCLOSURE (62)

GEAR LIST R222 DFGT III-VI (MINIMUM)

ON PERSON:

- (1) SET DESERT FROGS
- (1) DESERT BOONIE COVER
- (1) PAIR SOCKS
- (1) SKIVVY SHIRT
- (1) APPROPRIATE COLOR MARTIAL ARTS BELT
- (1) MARINE CORPS-APPROVED STEEL TOE BOOTS
- (1) T/O WEAPON(S) W/VICKERS SLING (DUMMY CORDED)
- (1) WATCH
- (1) PLATE CARRIER
- (2) FRONT AND BACK SAPIES
- (1) WAR BELT (OPTIONAL)
- (3) DOUBLE MAGAZINE POUCHES WITH (6) MAGAZINES
- (1) DROP POUCH
- (1) IFAK
- (1) CAC
- (1) ROOM KEY
- (1) PVS-14 (DUMMY CORDED)
- (1) PEQ-15/16 (DUMMY CORDED)
- (1) RCO (DUMMY CORDED)
- (1) ALL ISSUED SL3 NEEDED FOR PEQ AND PVS-14

ASLT PACK:

- (1) EAR PRO
- (1) HEADLAMP (WHITE AND RED LENS)
- (1) TACTICAL GLOVES
- (1) CAMELBACK BLADDER
- (1) SET OF NOTE TAKING GEAR
- (1) MULTI PURPOSE TOOL/GERBER **OPTIONAL**
- (1) CLEAR & DARK EYE PRO
- (1) GLOW BELT
- (1) WEAPONS CLEANING GEAR
- (2) CANTEENS IN CANTEEN POUCHES W/ CANTEEN CUP & STAND
- (1) PONCHO LINER
- (1) MRE
- (1) GORTEX TOP AND BOTTOM

MAIN PACK:

- (1) SLEEP SYSTEM
- (4) DOS CHOW
- (1) SET DESERT FROGS
- (4) SKIVVY SHIRT
- (4) PAIRS OF SOCKS
- (1) SET OF WARMING LAYERS
- (1) TARP

Enclosure (5)

ENCLOSURE (62)

| TRAINING EVOLUTION: Range 222 Gun Tables III-VI | | ORGANIZATION: AAV Platoon, 15TH MEU | Assigned OIC: | Assigned RSO: | | Weapons Systems: | Date: |
|---|--|--|---------------|--|---------|--|---|
| | | | | (b)(3), (b)(6), (b)(7)(c) | | M2 .50 cal Mk19 40mm | 20200212-20200216 |
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | HOW TO SUPERVISE |
| Phase III | Marine wounded/killed by Up-Gunned Weapon System or ordnance | <ul style="list-style-type: none"> -Weapons Malfunction caused by improper headspace and timing. -Negligent Discharge. -Firing outside of designated limits. -Weapons leaving the range not condition 4. | I/C=2 | <ul style="list-style-type: none"> - Marines perform headspace and timing on the .50 cal prior to live fire. - Weapons are kept in condition 4 until on the firing line with turrets oriented down range. - Marines go condition 4 after firing is complete. - Range lateral limits briefed each day prior to training. - RSO inspect weapons leaving the firing line to ensure clear condition 4. -PPE will be worn at all times. | I/D=3 | <ul style="list-style-type: none"> -Armorer checks the headspace and timing of each .50 cal. -Classes given on headspace and timing and Marines perform function checks a week prior to going to the field, as well as redundancy checks for each firing vehicle. -Ensure weapons have PFIs and LTIs, prior to live fire training. -Marines instructed on when to go condition 3 and condition 1 during safety briefs. - PSOs verify condition 4 prior to movement off the firing line. -RSO/OIC give safety brief outlining left and right lateral limits of the range prior to execution each day. | <ul style="list-style-type: none"> - RSO/OIC verifies headspace and timing prior to live fire. - Master Gunner or OIC inform gun crews when to change the condition of weapons. -RSO clears each weapon prior to leaving range. -Master Gunner and OIC observe effects of fires with relation to range boundaries. -RSO ensures PSO is briefed on their responsibilities during live fire. -RSO coordinate with armory and platoon maintenance chief IOT ensure all weapons have had a LTI and PFI. |
| Phase III | Marine injured while handling ammunition | <ul style="list-style-type: none"> -Marines attempting to relink 40mm ammunition. ("buffalo rounds") -Lack of situational awareness. -Marines improperly handling ammunition. | I/C=2 | <ul style="list-style-type: none"> -Ensure no one handles buffalo rounds except for the RSO, OIC, or designated personnel. -Ensure Marines are paying attention to their surroundings and handling ammunition with care. | I/D=3 | <ul style="list-style-type: none"> -Platoon leadership briefs the platoon on handling buffalo rounds and that only the RSO, OIC, or designated personnel will handle buffalo rounds. -Safety brief is conducted and an emphasis is made on handling ammunition with care. | <ul style="list-style-type: none"> -Platoon commander, platoon sergeant, OIC, and RSO ensure no one is handling buffalo rounds except those designated to do so. -RSO conducts safety brief with an emphasis on handling buffalo rounds and ammunition in general. -Section leaders supervise Marines IOT ensure they are safely handling ammunition. |
| Phase III | Marine injured by UXO | <ul style="list-style-type: none"> -Lack of situational awareness. -Marines attempting to handle UXO. -Marines navigating off of tank trails already laid out in the SOM. | I/C=2 | <ul style="list-style-type: none"> -Ensure Marines are paying attention to their surroundings and that they know to inform their chain of command if they come across any UXO. -Ensure Marines understand not to touch or handle UXO. | I/D=3 | <ul style="list-style-type: none"> -Safety brief conducted to ensure Marines maintain situational awareness so they don't disturb any UXO. -Marines briefed that they are not to handle UXO and that if they come across it, to inform their chain of command. -Marines briefed on SOM during operation order. | <ul style="list-style-type: none"> -RSO/OIC conduct a safety brief to remind Marines to maintain situational awareness and to never handle UXO themselves. -Section leaders supervise their section to ensure IOT ensure Marines don't disturb any UXO. -Crew chiefs supervise crews IOT ensure crews don't disturb any UXO. |

ENCLOSURE (2)

| | | | | | | | |
|------------|---|--|--------|---|--------|--|--|
| | | | | -Marines will not smoke within 50 m of the refueler. | | -Fuel not given to vehicles until crew chief conducts inspection. -All Marines in the platoon briefed of the limitations on smoking. | -Section leaders and platoon leadership monitor refueling to ensure no Marines are smoking within 50 m. -Platoon sergeant will ensure all fire extinguishers are serviceable and located on the AAV per SOP. |
| All Phases | Loss of personnel or equipment | -Marines not maintaining their prescribed hourly comm checks. -Marines not properly briefed on their respective routes and road guard positions. -Lack of situational awareness. | I/C=2 | -Enforce comm checks with all roadguard positions. -Each road guard position will redundant communications -Marines back brief RSO/OIC on locations of road guard positions before leaving. | I/D=3 | -Route brief and ROC walks with all vehicles prior to leaving RAMP. -Conduct of proper accountability for personnel and gear before and after every movement, twice daily (morning and evening) with one of those checks being conducted by serial number. -Proper PCC/PCI conducted. | -OIC/RSO conduct daily serialized gear checks before and after each day of training. -Platoon sergeant will gain full accountability of all personnel before any platoon movement. -Section leaders inspect all gear and Marines within their section are accounted for at all times. |
| All phases | AAV/wheeled vehicle accident collision/ roll-over | -Speeding. -Driver Fatigue. -Passing of other units on roads. -Lack of visibility due to dust. | I/C=2 | -Marines obey all posted speed limits. -Marines are given adequate rest time prior to operating AAV. -AAVs remain on right side of road and mind a safe distance from other vehicles while passing. -AAVs decrease speed to less than 15mph when passing through dust clouds. | I/D=3 | -Vehicle commanders monitor driver speeds of no more than 25mph. -Vehicle commanders monitor rest period of drivers and remove overly fatigued drivers. -Drivers are briefed prior to leaving RAMP on procedures for passing other units on the road. -Drivers maintain distances of 100m or greater dispersion to avoid creating dust clouds. -Drivers are briefed on slowing down when driving through dust. | -Section leaders ensure section maintains proper speed limit. -Vehicle commanders back-brief section leaders on rest plan for crew. -Vehicle commanders verbally command drivers if they do not follow briefed techniques. -Vehicle commanders verbally command drivers if they do not decrease speed during brown out, and all vehicles will stop until dust settles and visibility is restored. |
| All Phases | Vehicle fire resulting in injuries | -Mechanical malfunctions which cause fire. -Fire bottles inoperable. -Smoking inside AAV. | I/C=2 | -Vehicle commanders report any potentially dangerous problems to maintenance personnel. -Vehicle not utilized until mechanical issue is resolved. -Manual fire bottles on every AAV inspected and weighed by maintainers then annotated on fire bottle tags. -MFSS tested by maintainers. -Properly complete the pre-operational checklist. -Brief safety and evacuation SOPs. | I/D=3 | -Vehicle commanders constantly monitor status of vehicles -Other vehicles utilized if vehicle becomes fire hazard. -Vehicle commanders check fire bottle tags prior to operation to ensure date is current. -Vehicle commanders verify MFSS is unobstructed by SL-3. | -Section leaders monitor maintenance issues and report to platoon sergeant -Platoon sergeant ensures all vehicles operating have no mechanical issues -Marines back brief section leaders on proper use and status of manual fire bottles. -Section leaders inspect sections to verify MFSS is unobstructed in all vehicles and fire bottles have current tags. |
| All phases | Injuries on AAVs | -Marines injured by unsecured hatches, improperly stowed gear. -Burns. -Improper wearing of PPE. | II/C=3 | -All hatches and gear are strapped down according to SOP. -All internal gear will be strapped down. -Hands avoid the rim of the hatch when opening/closing or unsecured. -FROG gear worn at all times. -Marines aware of burn treatment. | II/D=4 | -Vehicle commanders supervise and inspect crew men properly strapping down hatches and equipment. -Vehicle commanders ensure proper PPE is worn at all times. -Corpsman briefs platoon on burn treatment. | -Section leaders inspect vehicles prior to conducting rehearsals for properly strapped hatches and equipment. -Section Leaders ensure proper PPE is worn at all times. -RSO ensures vehicle hatches secured, proper PPE utilized before AAV movement conducted. |

ENCLOSURE (2)

| | | | | | | | |
|------------|--|--|---------|--|---------|--|--|
| All Phases | Weather exposure casualties | <ul style="list-style-type: none"> -Marines not eating/drinking properly. -Excessive heat of vehicle when wearing PPE. -Failing to put on or take off warming layers | II/C=3 | <ul style="list-style-type: none"> -Vehicle commanders monitor all crew members to ensure they are eating and drinking enough water. -Warming layers will be removed by 0800. -Gear inspections before leaving will ensure Marines bring warming layers. -Each vehicle has (1) full 5 gallon water cooler and (2) designated water jugs. | II/D=4 | <ul style="list-style-type: none"> -Marines briefed on importance of nutrition/hydration in the field. -Section leaders ensure adequate water on each vehicle prior to rehearsals. -Section leaders ensure Marines are wearing appropriate warming layers. | <ul style="list-style-type: none"> -Platoon commander supervises the platoon as a whole and ensures time is allotted during training for Marines to get chow and water. -Platoon sergeant ensures Marines are provided with food and water. -Corpsman observes Marines to ensure they are not becoming weather casualties. -Platoon commander monitors training to ensure AAV crewmen are given adequate rest time. |
| All Phases | Wildlife Hazards | <ul style="list-style-type: none"> -Marines harassing animals. -Lack of situational awareness -Not alerting the chain of command about wild life on range. -Not alerting corpsman to bug/wildlife allergies. | II/C=3 | <ul style="list-style-type: none"> -Brief animal considerations and their likely locations within the area. -Have a corpsman on hand. -Ensure Marines' allergies are known and prepared for. -Ensure proper medication is on hand. | II/D=4 | <ul style="list-style-type: none"> -During safety brief, brief not to touch, harass, or play with any wildlife and to keep your distance. -Ensure corpsman is aware of any existing allergies. | <ul style="list-style-type: none"> -RSO briefs wildlife concerns and safe practices. -Section leaders supervise to ensure any dangerous or endangered wildlife are reported. -Crew chiefs supervise to ensure any dangerous or endangered wildlife is reported. |
| All phases | -Marines leaving the range with ammunition | <ul style="list-style-type: none"> -Lack of situational awareness. -Marines/Vehicles not being inspected prior to departure from range. | III/C=4 | <ul style="list-style-type: none"> -Ensure Marines vehicles are inspected prior to departing the range via a line-out inspection. | III/D=5 | <ul style="list-style-type: none"> -Platoon leadership inspects vehicles and equipment via line-out inspection. | <ul style="list-style-type: none"> -Platoon commander supervises the conduct of a line-out inspection. -Platoon commander and platoon sergeant inspect one another's vehicles and gear. -Section Leaders inspect all vehicles and crews within their section. |
| All Phases | Hazmat/Fuel Spill | <ul style="list-style-type: none"> -Vehicle malfunction or while doing maintenance repairs. -Improper refueling technique. | III/C=4 | <ul style="list-style-type: none"> -Once hazmat spill or potential is discovered, Marines properly clean, report, and control the spill. -Adequate control materials are brought to field. -Marines utilize service station method of refueling. | III/D=5 | <ul style="list-style-type: none"> -Vehicle commanders monitor all hazmat spills to ensure they are handled properly. -Hazmat procedures are briefed to the Marines prior to leaving the RAMP. -Hazmat rep ensures adequate materials are present on each vehicle prior to leaving field. -Vehicle commanders are briefed on refueling using the service station method prior to leaving RAMP. | <ul style="list-style-type: none"> -Platoon sergeant draws spill kit and disseminates to sections. -Platoon sergeant ensures Hazmat rep has provided adequate materials before leaving RAMP. -Section leaders inspect and supervise vehicle maintenance within section to ensure hazmat spills are properly contained and reported. -Section leaders supervise refueling to ensure proper techniques are utilized. -Crew chiefs inspect and supervise maintenance on assigned vehicle ensuring hazmat spills are properly contained and reported. |

ENCLOSURE (2)

| HAZARD SEVERITY | | RAC ASSESSMENT CODE MATRIX | | | | | COMMAND REVIEW/APPROVAL | |
|--|---|----------------------------|--------------------|---|---------------|---------------|-------------------------|---------------------------|
| I - CATASTROPHIC - Death, permanent disability, major property damage II - CRITICAL - Permanent partial disability, major system or minor property damage III - MARGINAL - Minor injury, minor system or property damage IV - NEGLIGABLE - 1 st aid, minor system repair MISHAP PROBABILITY A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY RISK ASSESSMENT CODE (RAC) 1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL | | HAZARD SEVERITY | MISHAP PROBABILITY | | | | OIC | (b)(3), (b)(6), (b)(7)(c) |
| | A | | B | C | D | RSC | | |
| I | 1 | | 1 | 2 | 3 | RSC | | |
| II | 1 | | 2 | 3 | 4 | XO/ | | |
| III | 2 | | 3 | 4 | 5 | S-3: | | |
| IV | 3 | 4 | 5 | 5 | H&S CO: _____ | (as required) | | |

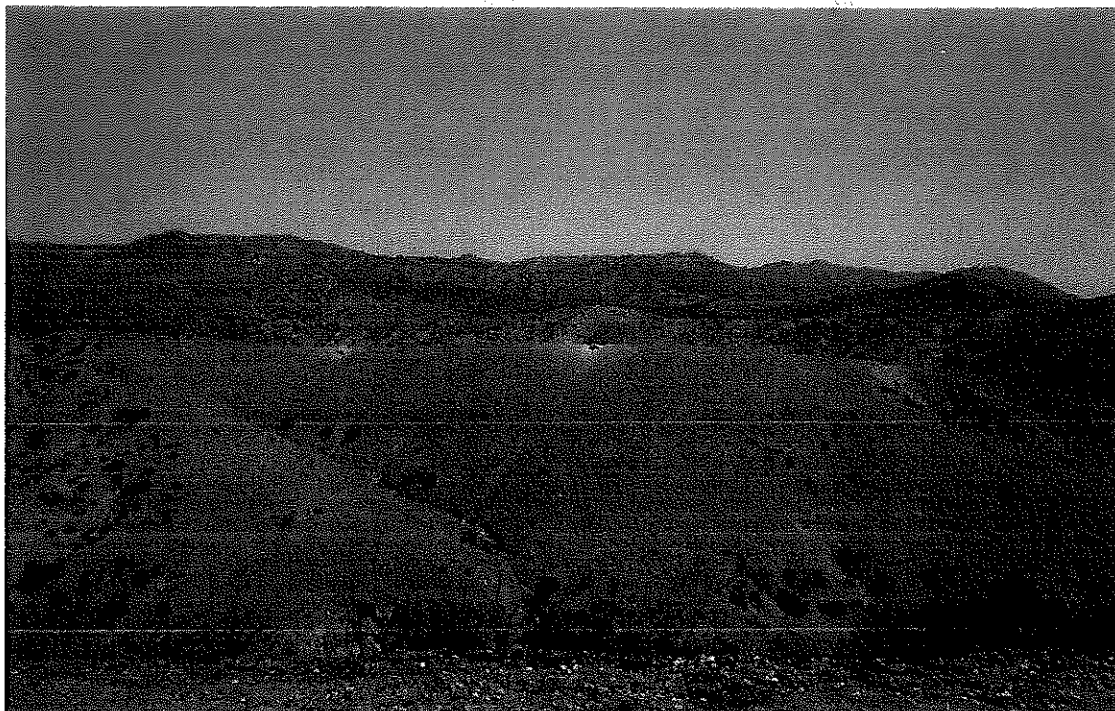
ENCLOSURE (62)

RANGE AND TRAINING REGULATIONS

Maximum of 5 POVs (Truck Like) are authorized to park in parking lot area with or without a POV pass
Road & River Report and Weapons Dependent

POVs ARE NOT AUTHORIZED ON THIS RANGE WHEN MORTARS OR ROCKETS/MISSILES ARE PRESENT

| | | | |
|-----------------------------------|--|--|---|
| Range: R-222 | Lateral Limits: See Special Instructions: | Allowable Wpns: Javelin Grenade Launchers (ALL) Infantry Rockets (ALL) Infantry Mortars – 81mm & 60mm 25mm – HEI-T, TP-T & TPDST (Only) MGs & Rifles - 50 Caliber & below Weapons Mounted Lasers | Assigned to: CG, MCB Date Revised: 05 June, 2018 |
| Location: 60716 92205 | Engagement Distance: Min 400 meters Max 1500 meters | | |
| Elevation: 690' AMSL | | | |
| Type: Field Firing | | | |
| Troop Penetration: None | Impact Area: Whiskey an Zulu | Range Facilities: Ammo table; Port-a-johns | |



Scheduling

1. All scheduling requests for R-222 shall be submitted via their battalion.
2. Unit shall utilize RFMSS to schedule range.

| Scheduling Conflicts | Conflict Notes |
|----------------------|--|
| I-IMP WHISKY | LIVE FIRE @R-222 CLOSES GROUND ACCESS IMP WHISKY |
| I-IMP ZULU | ALL INFANTRY RKTS, TOW & 25MM L/F@R-222 CLOSES GROUND ACCESS IMP ZULU |
| A-R220 | NONE |
| A-R440 (Z) | C/F R-222 DURING R-440 (Z)(A/GUNNERY) TACP AND URBAN TACP (SHOULDER FIRED 40MM OK) |
| A-409A TACP | C/F R-222 DURING R409A TACP (SHOULDER FIRED 40MM OK) |
| R-221 | USE OF MK-19 HEDP @R-222 CLOSES R-221 |
| R-AFA 10 | LIVE FIRE @R-222 CLOSES AFA 10 |
| R-HORNO RIDGE | LIVE FIRE @R-222 CLOSES HORNO RIDGE |
| R-LFAM 223B | LIVE FIRE @R-222 CLOSES LFAM 223B |
| R-LFAM 703 | USE OF R-222 CLOSES LFAM 703 |
| R-MFA 14 | LIVE FIRE @R-222 CLOSES MFA 14 |
| TA- OP NOAH | LIVE FIRE @R-222 CLOSES OP NOAH |

ENCLOSURE (62)

RANGE AND TRAINING REGULATIONS

OIC/RSO Requirements

1. A safety Brief shall be conducted prior to each live fire event to all participants.
2. All personnel shall wear required PPE during all training events.
3. OIC & RSO Requirements –
 - a. LAVs/Javelin/40mm HEDP/HE Rockets
 - i. OIC Requirement – GySgt or Above
 - ii. RSO Requirement – SSgt or Above
 - b. Small Arms-40mm TP/TP Rockets .50 Caliber & below/Mortars
 - i. OIC Requirement – SSgt or Above
 - ii. RSO Requirement – Sgt or Above
 - c. No Munitions
 - i. OIC Requirement – None
 - ii. RSO Requirement – Cpl or Above
 - iii. LASER (If Used) LRSO Requirement – Sgt or Above

Special Instructions

1. NO POVs on range when firing rockets or Mortars.
2. Infantry Rockets.
 - a. Maximum of Five (5) launchers will only be allowed on the Firing Line.
 - b. No Max Limit for Sub-Caliber Trainers.
 - c. M72AS rockets may only be fired from left side of firing line.
4. Firing Limitations:
 - a. SMAW - During training with the SMAW, the gunner, assistant gunner or any instructors are authorized to fire/be exposed to only five rounds per day.
 - b. HE AT-4 - Prone or foxhole firing of HE AT-4 (M136) is not authorized. In training, an individual may fire one round from the sitting position or three rounds from the standing or kneeling positions in a 24-hour period.
 - c. HE LAW - Limit the number of daily firings by any individual (gunner or personnel within 20m) to four.
 - d. Any miss fires, the unit shall attempt to replace safety devises and notify Longrifle for EOD support. EOD shall determine if the rocket can be transported back to ASP.
5. Infantry Mortars
 - a. Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
 - b. RSO will ensure that the FDC has plotted target box on both primary and secondary boards.
 - c. All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
 - d. Safety "T" will be with each gun.
 - e. Base Plates and Aiming Stakes Shall be left in place after registration fire.
 - f. Unit shall contact Longrifle for permission prior to burning increments.
 - g. Mortar Increments are to be burned IAW CAMPENO 3500.1 and MCRP 3-15.2A and FM 23-90
 - h. Unit shall have firefighting equipment at the burn site, and remain on site for 30 minutes after the last burn to ensure no fires start.
 - i. No more than 100 increments total per burn.
 - j. Handheld on this range is not authorized.

| TOW's and Javelin's with Infantry Rockets | .50 Caliber and Below and Mk 19 | Infantry Mortars (81mm and 60mm) |
|--|---|--|
| Lateral Limits: LLL- 60727 92225 at 013° mag RLL- 60745 92213 at 022° mag | Lateral Limits: LLL- 60716 92225 at 359° mag RLL- 60888 92221 at 015° mag When firing MK 19 The unit shall lock the gate at R221 (Units shall supply their own locks) or range guards shall be posted at 59750 92845. | Firing Point: 60713 92218 FP elevation: 670 feet AMSL 81mm Max Charge: Charge 1 60mm Max Charge: Charge 2 Max Range: 1,775m Min Range: 950 meters LLL- 0200 mils grid RLL- 0700 mils grid |

ENCLOSURE (62)

RANGE AND TRAINING REGULATIONS

LAV-25 (25mm)

1. **Lateral Limits:**
LLL- 60716 92225 at 359° mag
RLL- 60888 92221 at 015° mag
2. R221 Personnel must stay within the depicted boundaries of R221.
3. **LAV Stab Runs are authorized along the depicted firing line.**
4. **During Armored Vehicles Live Fire, the following flag display system will be used:**
 - a. **Red** – Weapons are loaded, on target, weapon arm switch is on fire, and manual safety is off
 - b. **Green** – All weapons are cleared and elevated, weapon arm switch is on safe and manual safety is off. No ammunition on vehicle.
 - c. **Yellow & Red** – Malfunction or misfire, weapon arm switch is on safe and manual safety is on or ammunition on vehicle.
 - d. **Yellow & Green** – Malfunction, weapons are clear, weapon arm switch is on safe and manual safety is on, no ammunition on vehicle.
 - e. **Red & Green** – Crew preparing to fire or crew is conducting non-firing exercise, ammunition may be loaded to the feeder but the feeder may not be loaded, bolt is in the sear position and weapon arm switch is on safe and manual safety is on. Ammunition may be to the Coax machinegun but in the coax, bolt to the rear and manual safety is on. Ammunition is either stowed or loaded in ready boxes.
5. **RSO will verify all weapons are clear on each vehicle regardless of flags displayed prior to notifying Longrifle.**

Special Instructions Continued on Next page

ENCLOSURE (62)



R222 Static Firing Line

Zulu

LFAM 703

Parking Area

R222
JAVELIN & ROCKET FIRING LINE

LFAM703

Zulu

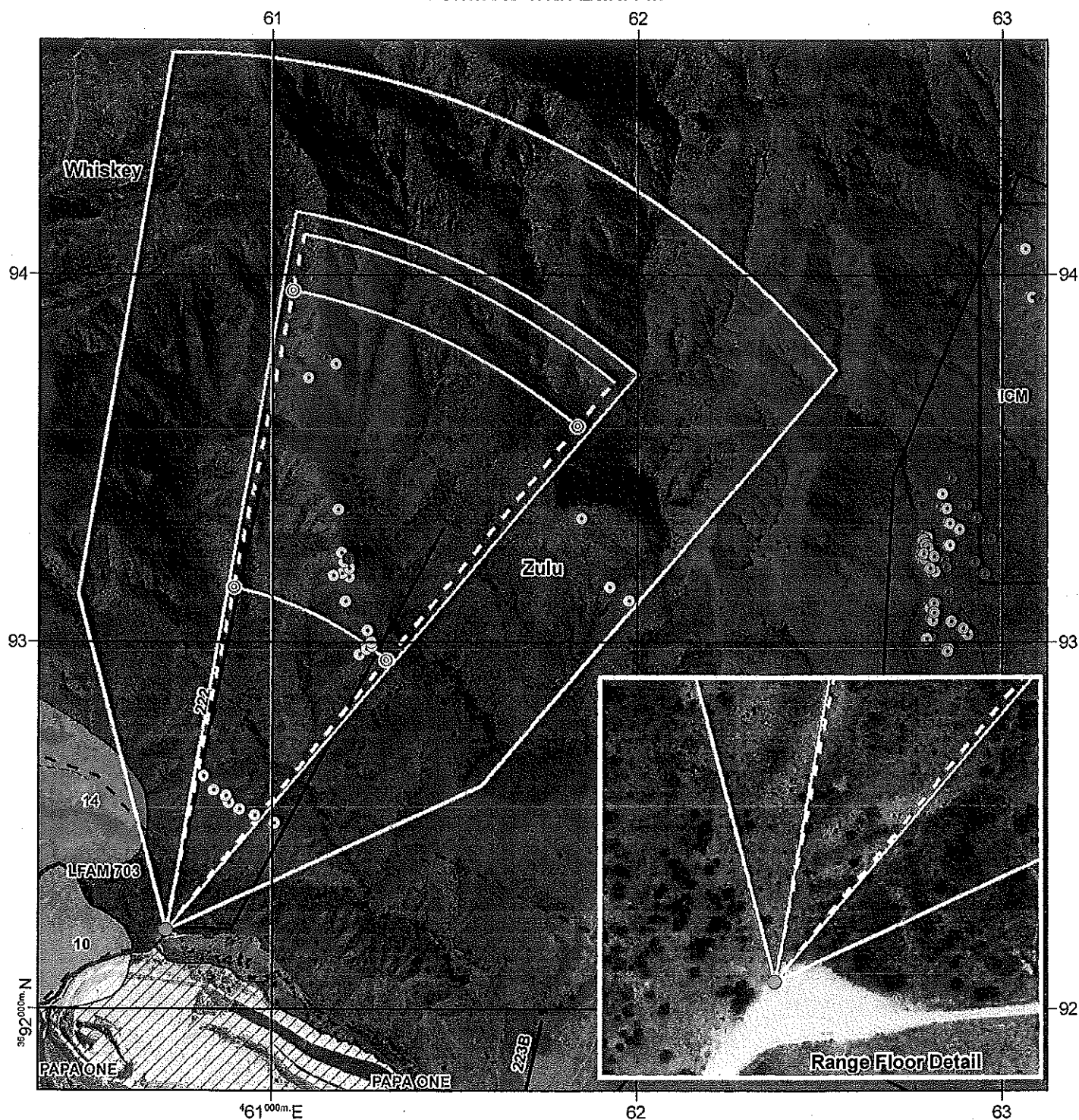
222



ENCLOSURE (2)

Conflicts with Zulu Air

Map Scale = 1:15,000



Weapon: 81mm/ 60mm
Firing Point: 60713 92218
FP elevation: 670 feet AMSL
Impact Area: Zulu
81 mm Max Range: 1,775 meters
Max Charge: 1
Min Range: 950 meters
60 mm Max Range: 1,775 meters
Max Charge: 2
Min Range: 950 meters
Left Lateral Limit: 0200 mils grid
Right Lateral Limit 0700 mils grid

- No POV's shall enter MP 222 even if they have a range pass.
- OIC shall report to long rifle Max Ord & charge to be fired
- Max Ord shall remain within scheduled Airspace and shall be at least 1000 Ft below any FW Aircraft transitioning over the Impact Area.

MP-222 Zulu

- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO will ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "I" will be with each gun.

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Approving

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (12)

LETTER OF INSTRUCTION

R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

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|--|--|------------------|--------------------------------|
| UNIT: BLT 1/4, B CO, AAV PLT | OPORD: Crew/Sec/Plt DFGT | DTG: 20200601 | LOCATION: R408A, R600, R800 |
| SUBJ: AAV PLATOON DIRECT FIRE GUNNERY TABLES I-IX | | | |
| REF: | (A) MAP: CAMP PENDLETON 1:50,000 AMES SERIES V795S, SHEET IV (B) MCTP 3-10C (EMPLOYMENT OF AMPHIBIOUS ASSAULT VEHICLES) (C) NAVMC 3500.2 (AAV TRAINING AND READINESS MANUAL) (D) MARINE CORPS ORDER 3570.1C RANGE SAFETY (E) DA PAM 385-63 (F) USMC RANGE SAFETY POCKET GUIDE VERSION 2.3 (G) MCIWEST- MARINE CORPS BASE CAMP PENDLETON ENVIRONMENTAL OPERATIONS MAP | | |
| TASK ORGANIZATION: B CO AAV PLATOON; FIRST SECTION, SECOND SECTION, THIRD SECTION, AND COMMAND SECTION. | | | |
| <p>1. SITUATION: AAV PLATOON IS PREPARING TO CONDUCT DIRECT FIRE GUNNERY TABLES (DFGT) I THROUGH IX LIVE-FIRE EVALUATION AT RANGE 408A, 600, AND 800 AT CAMP PENDLETON FROM 10-14 JUNE. DUE TO THE PRE DEPLOYMENT TRAINING PLAN (PTP) REQUIREMENTS FOR THE 15TH MEU, IT IS ESSENTIAL THAT AAV PLATOON IS 100% QUALIFIED UP TO DFGT VI.</p> <p>2. MISSION: FROM 10-14 JUNE AAV PLATOON BRAVO COMPANY EXECUTES DFGT I-IX AT R408A, 600, AND 800 IOT ENHANCE PROFICIENCY OF CREW, SECTION, AND PLATOON LEVEL GUNNERY TO SUPPORT FUTURE EXERCISES AS PART OF BATTALION LANDING TEAM (BLT) 1/4.</p> <p>3. EXECUTION:</p> <p>A. COMMANDER'S INTENT.</p> <p>(1) PURPOSE. THE PURPOSE OF THIS EXERCISE IS TO EVALUATE AND ENHANCE GUNNERY TRAINING AT THE CREW, AND SECTION LEVEL THROUGH DFGT IX.</p> <p>(2) METHOD. THIS TRAINING WILL BE ACCOMPLISHED THROUGH INSTRUCTION, PRACTICAL APPLICATION, AND EVALUATION VIA THE 3D AABN MARKSMANSHIP TRAINING UNIT (MTU) PRIOR TO THE PLATOON CONDUCTING DFGT I-IX. EACH CREW WILL HAVE BEEN QUALIFIED THROUGH TABLE VI BEFORE MOVING TO SECTION GUNNERY. THE MTU WILL BE EVALUATING WITH THE 3D AABN BATTALION MASTER GUNNER.</p> <p>(3) END STATE. ALL AAV CREWS, AND SECTIONS ARE QUALIFIED ON DFGT I-IX. AAV PLATOON IS PREPARED FOR FUTURE GUNNERY OPERATIONS AS PART OF BLT 1/4.</p> <p>B. CONCEPT OF OPERATIONS. THIS IS A FOUR PHASE OPERATION (PHASE I-IV). PHASE I WILL BE THE PREPARATION PHASE AND WILL CONSIST OF ALL NECESSARY VEHICLE, GEAR, AND PERSONNEL PREPARATIONS PRIOR TO DEPARTURE FOR THE RANGE. PHASE IIA WILL CONSIST OF A MOVEMENT TO R227 ON 6 JUNE. PHASE IIB WILL CONSIST OF A MOVEMENT TO R408A ON 10 JUNE. PHASE IIIA WILL BE THE EXECUTION PHASE ON 10 AND 11 JUNE, CONSISTING OF RANGE SETUP, DFGT'S III-VI, AND RANGE BREAKDOWN. PHASE IIIB WILL BE THE EXECUTION PHASE ON 12 AND 13 JUNE, CONSISTING OF MOVEMENT TO R600/800, RANGE SETUP, DFGT'S VII-IX, AND RANGE BREAKDOWN. PHASE IV WILL CONSIST OF THE RETROGRADE TO 3D AABN RAMP.</p> <p>(1) PHASE I: PREPARATION PHASE. 18 MAY-05 JUNE. PHASE I HAS ALREADY BEGAN WITH</p> | | | |

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ENCLOSURE (2)

LETTER OF INSTRUCTION
R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

FIELD AND ADMINISTRATION PREPARATIONS TO CONDUCT TABLES I-IX. ADMINISTRATIVE PREPARATION CONSISTS OF CLASSROOM INSTRUCTION ON OFFENSIVE AND DEFENSIVE TACTICS, CREW/SECTION LEVEL GUNNERY REHEARSALS, AND THE CONDUCT OF A TACTICAL DECISION GAME AT THE SECTION LEVEL. FIELD PREPARATION WILL INCLUDE PRE-OPERATIONS CHECKS COMPLETED, WEAPONS HANDLING, GEAR INSPECTION, COMMUNICATIONS PREPARATION, AND BORE SIGHTING. ONCE BOTH ADMINISTRATION AND FIELD PREPARATIONS ARE COMPLETE, THE PLATOON WILL BE GIVEN AN OPERATIONS ORDER ON 05 JUNE FOR A MOVEMENT TO CONTACT TO R227/R408A FOLLOWED BY BACK-BRIEFS AND REHEARSAL OF CONCEPT (ROC) WALKS. THIS PHASE ENDS ONCE THE NECESSARY CREWS ARE PRE LIVE-FIRE QUALIFIED.

(2) PHASE II: STAGING AND MOVEMENT PHASE. THIS PHASE IS BROKEN DOWN INTO TWO STAGES. STAGE A IS THE MOVEMENT TO R227. STAGE B IS THE MOVEMENT TO R408A.

(A) STAGE A. 06 JUNE. THIS STAGE BEGINS WITH ALL MARINES AND EQUIPMENT ACCOUNTED FOR AND PREPARED TO CONDUCT MOVEMENT. DURING THIS PHASE, SECTION LEADERS WILL ENSURE ALL MARINES AND EQUIPMENT ARE ACCOUNTED FOR BY CONDUCTING COUNTS BEFORE AND AFTER ALL MOVEMENTS. THE PLATOON WILL CONDUCT ITS MOVEMENT FROM THE 3D AABN RAMP TO R227. THIS PHASE ENDS WITH THE AAV PLATOON OCCUPYING R227 ON 06 JUNE AND IS PREPARED TO CONDUCT THE BRAVO COMPANY FEX.

(B) STAGE B. 10 JUNE. THIS STAGE BEGINS WITH ALL MARINES AND EQUIPMENT ACCOUNTED FOR AND PREPARED TO CONDUCT MOVEMENT. DURING THIS PHASE, SECTION LEADERS WILL ENSURE ALL MARINES AND EQUIPMENT ARE ACCOUNTED FOR BY CONDUCTING COUNTS BEFORE AND AFTER ALL MOVEMENTS. THE PLATOON WILL CONDUCT ITS MOVEMENT FROM THE R227 TO R408A. THIS PHASE ENDS WITH THE AAV PLATOON OCCUPYING R408A NO EARLIER THAN 1000 ON 10 JUNE AND IS PREPARED TO CONDUCT TABLES III-VI.

(3) PHASE III: EXECUTION PHASE. THIS PHASE IS BROKEN DOWN INTO TWO STAGES. STAGE A IS AT R408A CONDUCTING DFGT III-VI DAY AND NIGHT. STAGE B IS AT R600/800 CONDUCTING DFGT VII AND IX DAY AND NIGHT.

(A) STAGE A. 10-12 JUNE. THIS STAGE BEGINS WITH THE PLATOON IMMEDIATELY BEGINNING RANGE SET-UP AND PREPARATIONS FOR THE CONDUCT OF DFGT III-VI. PREPARATIONS WILL INCLUDE MINOR BORESIGHTING ADJUSTMENTS, VERIFICATION OF HEADSPACE AND TIMING, COMMUNICATION CHECKS, ZEROING THE UP GUNNED WEAPONS STATION (UGWS), AND WEAPONS PREPARED FOR LIVE FIRING. RANGE SET UP WILL INCLUDE VERIFICATION OF ENGAGEMENT AREAS, LEFT AND RIGHT LATERAL LIMITS IDENTIFIED BY OIC/RSO, TARGET LOCATIONS, VERIFYING CONDITION STAKES, AND AMMUNITION ISSUE POINT ESTABLISHED. WHILE THE RANGE IS BEING SET UP, A TERRAIN MODEL WILL BE PREPARED FOR ADDITIONAL BRIEFS AND REHEARSALS. ONCE SET UP IS COMPLETE, ALL MARINES INVOLVED WILL RECEIVE A SAFETY BRIEF AND OPERATIONAL RISK MANAGEMENT REVIEW PRIOR TO THE START OF THE TABLES. AFTER THE SAFETY BRIEF ONE CREW AT A TIME WILL CONDUCT THEIR DFGT III-VI. NO MORE THAN 6 AAV P7s WILL BE LOCATED ON THE STATIC FIRING LINE. WHILE ONE CREW IS SHOOTING THE OTHER 5 CREWS WILL BE STANDING BY IN THEIR VEHICLES WITH WEAPONS IN CONDITION 4 WAITING TO CONDUCT THEIR TABLES. THIS STAGE ENDS ONCE LONG RIFLE HAS COME AND INSPECTED THE RANGE.

(B) STAGE B. 12-14 JUNE. THIS STAGE BEGINS AFTER LONG RIFLE HAS INSPECTED R408A. THEN THE PLATOON WILL CONDUCT MOVEMENT FROM R408A to R600/800. THE PLATOON WILL THEN START PREPARATIONS. PREPARATIONS WILL INCLUDE MINOR BORESIGHTING ADJUSTMENTS, VERIFICATION OF HEADSPACE AND TIMING, COMMUNICATION CHECKS, AND WEAPONS PREPARED FOR LIVE FIRING. RANGE SET UP WILL INCLUDE VERIFICATION OF ENGAGEMENT AREAS, LEFT AND RIGHT LATERAL LIMITS IDENTIFIED BY OIC/RSO, TARGET LOCATIONS, VERIFYING CONDITION STAKES, AND

| SIGNATURE/DATE | OIC | RSO | GUNNER |
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(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (43)

LETTER OF INSTRUCTION

R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

AMMUNITION ISSUE POINT ESTABLISHED. FOLLOWING RANGE PREPARATIONS EACH SECTION LEADER WILL GIVE A WARNING ORDER, PRODUCE AN OVERLAY, AND BRIEF THEIR SCHEME OF MANEUVER OVER A TERRAIN MODEL TO THE PLATOON COMMANDER AND PLATOON SERGEANT. AFTER THE BRIEFS FIRST SECTION CONDUCTS THEIR DRY RUN WHILE SECOND AND THIRD SECTION WILL BE CONDUCTING THEIR PRE-OPERATION CHECKS FOR THEIR DRY RUN. THE PLATOON COMMANDER AND MASTER GUNNER WILL TRAVEL WITH THE AAV'S WITH THE SECTION TO EVALUATE THE GUNNERY TABLE VIII. FOLLOWING THE DRY RUN, THE SECTION WILL CONDUCT A HOT WASH WHILE THE NEXT SECTION CONDUCTS THEIR DRY FIRE RUN. DRY RUNS WILL BE RAN UNTIL THE OIC AND MASTER GUNNER FEEL THE SECTION CAN SAFELY MANEUVER THE COURSE OF FIRE. ONCE ALL DRY FIRE RUNS ARE COMPLETE THE SECTIONS WILL START THEIR LIVE FIRE DAY PORTION. UPON COMPLETION OF TABLE IX THE SECTION WILL CLEAR ALL WEAPONS WITH THE PSO, RSO, AND OIC VERIFYING CONDITION FOUR. THE SECTION WILL THEN RECEIVE A FINAL DEBRIEF BY THE PLATOON COMMANDER. ONCE THE DEBRIEF IS COMPLETE THE NEXT SECTION WILL COMPLETE THEIR LIVE FIRE. AT 1830 THE PLATOON WILL PREPARE FOR THE NIGHT FIRE PORTION. THIS WILL INCLUDE VEHICLE MARKINGS, LFAM ROUTE MARKED, CONDITION STAKES MARKED, NIGHT VISION DEVICE STATUS PCC/PCI RECONFIRMATION, AND PLATOON GIVEN A SAFETY BRIEF ON NIGHT MANEUVER CONSIDERATIONS. SIMULTANEOUSLY THE SECTION LEADERS WILL BE GIVEN A FRAG-O FOR A NIGHT PATROL ON THE SAME ROUTE. EACH SECTION LEADER WILL GIVE A WARNING ORDER, PRODUCE AN OVERLAY, AND BRIEF THEIR SCHEME OF MANEUVER OVER A TERRAIN MODEL TO THE PLATOON COMMANDER AND PLATOON SERGEANT. ONCE ALL PRE-OPERATION CHECKS ARE COMPLETE THE SECTION LEADER WILL REQUEST TO DFL AND CONDUCT TABLE VIII DRY FIRE AT NIGHT. AFTER EACH RUN THE SECTION WILL RECONSOLIDATE AND A HOT WASH WILL TAKE PLACE WITH THE PLATOON COMMANDER. THE SECTIONS WILL THEN CONDUCT THEIR TABLE IX NIGHT PORTION UNTIL 2359.

(4) PHASE IV: RETROGRADE PHASE. 14 JUNE. THIS PHASE BEGINS WITH CLEARANCE FROM RANGE CONTROL TO BEGIN RETROGRADE FROM R800 TO 3D AABN RAMP. THE PLATOON WILL TRAVEL IN A TACTICAL COLUMN ALONG THE SAME ROUTE BACK TO 3D AABN. ROAD CROSSING WILL BE CONDUCTED IN THE SAME MANNER AS THE TRANSIT OUT AND THE PLATOON WILL CONDUCT A MAINTENANCE HALT ARMOR COIL IN THE TANGO TRAINING AREA. ALL WEAPONS AND EDL WILL BE CLEANED AND TURNED IN, AFTER ACTIONS CONDUCTED, AND ALL AAV'S WASHED DOWN AND RETURNED TO THE LINE. THIS PHASE ENDS ONCE THE FINAL SIGHT COUNT IS COMPLETED.

C. TASKS

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| OIC | <p>T1: ENSURE YOU HAVE PRIOR APPROVAL OF ALL TRAINING ON THE RANGE.</p> <p>P2: IOT MAINTAIN POSITIVE CONTROL OF ALL TRAINING, AS YOU ARE DIRECTLY RESPONSIBLE FOR EVERYTHING THAT TAKES PLACE.</p> <p>T2: CONDUCT A RANGE WALK WITH ALL SECTION LEADERS AND VEHICLE COMMANDERS.</p> <p>P2: IOT ENSURE THAT ALL KEY PERSONNEL UNDERSTAND THE ROUTE, FIRING LINES, AND TARGETS TO BE ENGAGED BOTH DURING THE DAY AND NIGHT PORTION OF DFGT'S.</p> <p>T3: CONDUCT LINK-UP AND COORDINATION WITH RANGE CONTROL PRIOR TO CONDUCT OF RANGE.</p> <p>P3: IOT TO ENSURE THAT ALL RANGE RULES AND REGULATIONS ARE ADHERED TO.</p> |
| RSO | <p>T1: ENSURE SAFE CONDUCT OF DFGT THROUGH DILIGENT AND INTRUSIVE OVER-WATCH OF ANYTHING RELATED TO RANGE SAFETY.</p> <p>P1: IOT TO PREVENT ANY UNSAFE ACTIONS FROM TAKING PLACE.</p> <p>T2: WHEN PERFORMING DUTIES AS RSO FOCUS SOLELY ON RANGE SAFETY AND RSO-RELATED TASKS.</p> <p>P2: TO ENSURE A SAFE RANGE.</p> <p>T1: ENSURE ALL WEAPONS ARE PROPERLY HEADSPACED AND TIMED.</p> |

| SIGNATURE/DATE | OIC | RSO | GUNNER |
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ENCLOSURE (23)

LETTER OF INSTRUCTION

R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

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| | <p>P2: TO PREVENT ANY INJURIES TO GUNNER'S OR DAMAGE TO WEAPONS.</p> <p>T1: ENSURE ALL GATES ARE LOCKED ACCORDING TO RANGE REGULATIONS.</p> <p>P2: IOT PREVENT ANY NON-AUTHORIZED PERSONNEL FROM ENTERING THE TRAINING AREA DURING THE CONDUCT OF GUNNERY TABLES.</p> |
| PSOS | <p>T1: ENSURE SAFE OPERATION OF BOTH WEAPON SYSTEMS THROUGHOUT THE CONDUCT OF TABLES IX.</p> <p>P1: IOT PREVENT ANY UNSAFE WEAPONS OPERATION FROM TAKING PLACE BEFORE, DURING, AND AFTER DFGT IX.</p> <p>T2: ENSURE YOUR VEHICLE COMMANDER IS ENGAGING TARGETS WITHIN THE LEFT AND RIGHT LATERAL LIMITS.</p> <p>P2: IOT PREVENT ANY INJURIES FROM FIRING OUTSIDE THE LIMITS.</p> <p>T3: ONCE FIRING IS COMPLETE ENSURE BOTH WEAPONS ARE CONDITION FOUR.</p> <p>T4: TO PREVENT INJURY OR DAMAGE FROM A NEGLIGENT DISCHARGE WHILE IN TRANSIT BACK TO THE AA.</p> |
| PLATOON SERGEANT | <p>T1: COORDINATE WITH ALL LOGISTICAL AND OPERATIONS SOURCES</p> <p>P1: IOT ENSURE ALL REQUIREMENTS TO CONDUCT THIS RANGE ARE IN PLACE TO INCLUDE BUT NOT LIMITED TO, CHOW, WATER, FUEL, COMMUNICATION ASSETS, AMMO, SAFETY VEHICLES AND RE-SUPPLY, AND MAINTENANCE CONTACT TEAM.</p> <p>T2: ENSURE ALL PRE AND POST-OP CHECKS ARE CONDUCTED ACCORDING TO SOP.</p> <p>P2: IOT SET CONDITIONS FOR SAFE LAND OPERATIONS.</p> <p>T3: CREATE AN EQUIPMENT DENSITY LIST OF ALL THE PLATOON SERIALIZED GEAR.</p> <p>P3: IOT MAINTAIN ACCOUNTABILITY OF ALL SERIALIZED GEAR FOR THE DURATION OF THE EXERCISE.</p> <p>T4: SUPERVISE ALL MAINTENANCE, RECOVERY, AND CASUALTY EVACUATION.</p> <p>P4: IOT ENSURE COMPLIANCE WITH APPROPRIATE PROCEDURES.</p> <p>T5: COMMUNICATE WITH RANGE CONTROL.</p> <p>P5: IOT TO ENSURE TRAINING IS CONDUCTED SAFELY IN ACCORDANCE WITH SOPS.</p> <p>T6: SUPERVISE ALL PARTS OF THE EXERCISE.</p> <p>T7: IOT ENSURE SAFE AND EFFECTIVE TRAINING, BPT TO SERVE AS OIC, CONDUCT AN RSO CHANGEOVER, OR SERVE AS A TACTICAL EVALUATOR FOR DFGT'S.</p> |
| SECTION LEADERS | <p>T1: CONDUCT GEAR INSPECTION NLT 05 JUNE.</p> <p>P1: IOT CONFIRM GEAR ACCOUNTABILITY AND UNIFORMITY.</p> <p>T2: ENSURE DFGT PREREQUISITES ARE COMPLETE PRIOR TO THE RANGE BEING CONDUCTED PROPERLY AND ALL MARINES HAVE A CLEAR UNDERSTANDING OF WHAT IS BEING TAUGHT.</p> <p>P2: IOT ENSURE SAFETY AND EFFICIENCY WHILE CONDUCTING DFGT I-IX.</p> <p>T3: INFORM PLATOON SERGEANT OF ALL MAINTENANCE AND READINESS ISSUES.</p> <p>P3: IOT MAINTAIN ACCOUNTABILITY OF VEHICLES AND PERSONNEL.</p> |
| CORPSMAN | <p>T1: INVENTORY MEDICAL SUPPLIES THAT ARE BEING BROUGHT TO THE FIELD.</p> <p>P1: IOT ENSURE THAT THE EQUIPMENT ALLOWS PROPER AID FOR ALL POTENTIAL INJURIES AT R408A, R600/800.</p> <p>T2: COORDINATE WITH RANGE CONTROL IN THE EVENT OF CASUALTY.</p> <p>P2: IOT ALLOW PLATOON STAFF TO APPROPRIATELY TRACK, REPORT, AND FOLLOW UP ON CASUALTY.</p> <p>T3: PLAN GROUND MEDEVAC ROUTES FROM TO HIGHER ECHELON OF MEDICAL CARE.</p> <p>P3: IOT ELIMINATE WASTED TIME IN TRANSPORTING CASUALTY TO MEDICAL CARE.</p> |
| COMM CHIEF | <p>T1: NLT 05 JUNE ENSURE ALL VEHICLE'S COMMUNICATION EQUIPMENT HAS BEEN INSPECTED, EVALUATED, AND ARE OPERATIONAL.</p> <p>P1: IOT FACILITATE COMMUNICATIONS DURING TRAINING THROUGHOUT TRAINING EXERCISE.</p> |

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ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

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| | <p>T2: NLT 05 JUNE SUPERVISE PREPARATION AND OPERATION OF PLATOON COMMUNICATION ASSETS.</p> <p>P2: IOT ENSURE PROPER LOADING OF CRYPTOGRAPHIC INFORMATION ENSURING ALL COMMUNICATION SECURITY PROCEDURES ARE BEING FOLLOWED.</p> <p>T3: ENSURE EACH AAV CAN ESTABLISH COMMUNICATIONS WITH THE MASTER GUNNER FROM THE TURRET.</p> <p>P3: IOT ENSURE THE SAFE CONDUCT AND EXECUTION OF COMMANDS.</p> <p>T4: ESTABLISH COMMUNICATIONS WITH BATTALION.</p> <p>P4: IOT TO SEND SITUATIONAL REPORTS AND LOGISTICAL REQUESTS AS REQUIRED.</p> |
| MAIN CHIEF | <p>T1: ENSURE ALL VEHICLES ARE PROPERLY PREPARED FOR FIELD TRAINING TO INCLUDE ANNOTATION AND RECONCILIATION OF ALL DISCREPANCIES.</p> <p>P1: IOT ENSURE VEHICLES ARE READY FOR CONDUCT OF DFGT IX.</p> <p>T2: ASSEMBLE AND MAINTAIN A DSI FOR THE EXERCISE.</p> <p>P2: IOT ENSURE MAINTENANCE CAN BE CONDUCTED IN THE FIELD TO COMPLETE DFGT.</p> |

D. COORDINATING INSTRUCTIONS

(1) REQUIRED FACILITIES. R408A/600/800

(2) OIC

(b)(3), (b)(6), (b)(7)(c)

(3) RSC

(4) PSO. EACH UGWS WILL HAVE AN ASSIGNED POSITION SAFETY OFFICER IN THE VEHICLE TROOP COMMANDER HATCH DURING THE CONDUCT OF LIVE FIRE AND MANEUVER. THE PLATOON WILL HAVE 5 VEHICLE CREW EVALUATORS (VCE) CERTIFIED BY THE BATTALION MASTER GUNNER. AS NECESSARY, PSO'S MAY BE EXPERIENCED SNCO'S OR VEHICLE COMMANDERS.

(5) TIMELINE. 10 JUNE 2020 - 14 JUNE 2020.

10 JUNE

0600 REVILLE
 0700 PRE OPS
 0800 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED
 0900 MOVEMENT FROM 227 TO R408A
 1000 PLATOON OCCUPIES R408A
 1030 SAFETY BRIEF IS GIVEN
 1100 ZERO
 1200 CREW DAY GUNNERY
 1900 NIGHT SAFETY BRIEF
 2000 NIGHT CREW GUNNERY
 2359 RANGE COLD

11 JUNE

0600 REVEILLE
 0700 SAFETY BRIEF
 0800 DAY CREW GUNNERY
 1900 NIGHT SAFETY BRIEF
 2000 NIGHT CREW GUNNERY
 2359 RANGE COLD

12 JUNE

0600 REVEILLE

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ENCLOSURE (62)

LETTER OF INSTRUCTION

R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

0700 MOVEMENT TO R600/800
0900 OCCUPY R600/800
0930 SAFETY BRIEF
1000 SECTION LEADERS BRIEF
1100 DRY RUNS
1200 LIVE RUNS
1800 NIGHT SAFETY BRIEF
1900 SECTION LEADERS BRIEF
2000 DRY NIGHT RUNS
2100 LIVE NIGHT RUNS
2359 RANGE COLD

13 JUNE

0600 REVEILLE
0700 SAFETY BRIEF
0800 SECTION LEADERS BREIF
0900 DRY RUNS
1000 LIVE RUNS
1800 NIGHT SAFETY BRIEF
1900 SECTION LEADERS BRIEF
2000 DRY NIGHT RUNS
2100 LIVE NIGHT RUNS
2359 RANGE COLD

14 JUNE

0600 REVEILLE
0700 RANGE CLEANUP
0800 RANGE INSPECTION
0900 RETROGRADE TO 3D AABN
1100 CONDUCT WASHDOWNS AND POST OPS
1700 PLATOON SECURE

(6) TACTICAL CONTROL MEASURES (TCMS)/ POINTS OF INTEREST

| TCM (PRIMARY NUMBERED, ALTERNATE LETTER) | LOCATION |
|--|------------------|
| LOD (3D AABN RAMP) | 11S MS 6280 7560 |
| CP-1 (LCAC TOWER) | 11S MS 5922 7995 |
| CP-2 (WARRIORS COVE) | 11S MS 5570 8488 |
| CP-3 (HOLE IN THE WALL) | 11S MS 5509 8632 |
| CP-4 (LAS PULGAS CROSSING) | 11S MS 5763 8501 |
| CP-5 (BASILONE ROAD CROSSING) | 11S MS 6246 8987 |
| R227 | 11S MS 6325 9050 |
| CP-7 | 11S MS 6433 9049 |
| R408A | 11S MS 6654 9188 |
| CP-9 | 11S MS 6342 9182 |
| CP-10 | 11S MS 6709 9332 |
| CP-11 | 11S MS 6645 9604 |
| CP-12 | 11S MS 5413 9853 |
| R600 | 11S MT 5530 0325 |
| R800 | 11S MT 6099 0073 |
| POINTS OF INTEREST | LOCATION |

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| CO CMDR | S- | S-3 | BN CMDR |

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ENCLOSURE (43)

LETTER OF INSTRUCTION

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| AXP-1 | 11S MS 5763 8501 |
| AXP-2 | 11S MS 6246 8989 |
| 21 AREA BAS | 11S MS 6300 7600 |
| 53 AREA BAS | 11S MS 5533 9320 |
| 43 AREA BAS | 11S MS 6190 8980 |
| LZ BUZZARD | 11S MT 6150 0070 |
| LZ CANARY | 11S MT 6270 0045 |
| LZ BLUEBIRD | 11S MS 6290 9965 |
| LZ STARLING | 11S MS 6210 9120 |
| NAVAL HOSPITAL | 11S MS 6360 7610 |

(7) RATE(S) OF MARCH AND DISPERSION. 20 MPH IN TRAINING AREAS WITH 50-75 METER DISPERSION. IN LOW LIGHT CONDITIONS, 15 MPH AND 50-75 METER DISPERSION. WHITE LIGHT WILL BE UTILIZED IN LOW LIGHT CONDITIONS AT ROAD CROSSINGS. 5 MPH IN CONGESTED AREAS WHILE UTILIZING GROUND GUIDES.

(8) NO COMMUNICATION PLAN

A. PHASE I. NOT APPLICABLE

B. PHASE II/IV MOVEMENT TO AND FROM RANGE. IF COMMUNICATION IS LOST DURING THE PLATOON MOVEMENT THEY WILL UTILIZE HAND AND ARM SIGNALS OR A MESSENGER. THE VEHICLE WILL CONTINUE TO TRY TO RE-ESTABLISH COMMUNICATION DURING THE MOVEMENT. WHILE IN A PLATOON COLUMN, THE PLATOON WILL CONTINUE TO MOVE AS LONG AS THE FRIST AND LAST VEHICLE HAVE COMMUNICATIONS WITH THE PLATOON COMMANDER OR PLATOON SERGEANT. IF COMMUNICATION LOST BETWEEN THESE THREE VEHICLES THE PLATOON WILL HALT FOR NO LONGER THAN 10 MINUTES AND RE-ESTABLISH COMM. IF IT CANNOT BE RE-ESTABLISHED THEN THE PLATOON WILL CONTINUE THEIR MOVEMENT WITH THE 1ST SECTION LEADER TAKING TACTICAL CONTROL WHILE THE PLATOON COMMANDER TRIES TO RE-ESTABLISH COMM WHILE MOVING. RANGE FLAGS WILL BE UTILIZED TO PASS THE COMMUNICATION STATUS OF THE VEHICLE TO THOSE AROUND IT. GREEN WILL MEAN "HEAR BUT CANNOT SPEAK", YELLOW WILL MEAN "CANNOT HEAR OR SPEAK" AND RED MEANS EMERGENCY IN THE VEHICLE AND NEED ASSISTANCE. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE, TRAINING WILL CEASE AND COMMUNICATION WILL BE REESTABLISHED.

C. PHASE III CONDUCT OF RANGE. WHILE CONDUCTING LIVE FIRE THE VEHICLE COMMANDER WILL HAVE POSITIVE COMMUNICATION WITH THE BATTALION MASTER GUNNER AND THE VEHICLES FIRING VIA PLATOON TAC BY USING THEIR VEHICLE RADIO SETS. IF COMMUNICATION GOES DOWN TRAINING WILL CEASE UNTIL IT IS REESTABLISHED. IF AT ANYTIME COMMUNICATION IS LOST BETWEEN THE VEHICLE COMMANDER, DRIVER, AND PSO IN THE TROOP COMMANDER'S HATCH TRAINING WILL CEASE AND INTERCOM WILL BE ESTABLISHED INTERNAL TO THE VEHICLE. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE TRAINING WILL CEASE AND COMMUNICATION WILL BE REESTABLISHED.

(9) LOST MARINE PLAN. IF A MARINE HAS BEEN IDENTIFIED AS MISSING, ALL MOVEMENT AND TRAINING WILL CEASE AND THE PLATOON WILL GAIN ACCOUNTABILITY OF ALL PERSONNEL AND EQUIPMENT BEFORE BACKTRACKING THE PREVIOUS ROUTE UNTIL THE MARINE IS FOUND. ACCOUNTABILITY WILL BE MAINTAINED BY CONDUCTING CHECKS BEFORE AND AFTER ANY MOVEMENT. ALL MARINES WILL INFORM THEIR CHAIN OF COMMAND WHEN THEY LEAVE THE IMMEDIATE

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ENCLOSURE (23)

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AREA OF THE PLATOON. THEY WILL TRAVEL IN PAIRS AND NEVER MOVE MORE THAN 50M AWAY FROM THE PLATOON. ALL MARINES WILL CARRY A WATER SOURCE WHEN STEPPING AWAY FROM THE VEHICLE. WHILE MOVING TO AND FROM THE RANGE. DURING PHASE II AND IV, IF A MARINE BECOMES LOST THEY WILL REMAIN IN PLACE FOR 2 HOURS AND THEN BACKTRACK TO THE NEAREST MAIN SUPPLY ROUTE (MSR) WITHIN 1KM. THE MARINES WILL BE BRIEFED ALONG THE ROUTE THEIR POSITION IN RELATION TO LAS PULGAS ROAD AS WELL AS BASILONE DRIVE. ONCE THEY ARRIVE AT ONE OF THESE ROADS IF ABLE TO FLAG DOWN A PASSING VEHICLE WILL ENSURE CONTACT WITH PLATOON. DURING THE CONDUCT OF TABLE IX IF THEY BECOME LOST THEY WILL HOLD IN PLACE AND NOT TRAVEL INTO THE ENGAGEMENT AREA.

(10) GO/NO GO CRITERIA

- A. CORPSMAN PRESENT AND PREPARED FOR CONDUCT OF EXERCISE.
- B. MAINTAIN POSITIVE COMMUNICATIONS WITH LONG RIFLE.
- C. IMPROPER DODIC'S DELIVERED TO TRAINING AREA.
- D. LESS THAN SIX AAVP7'S OPERATIONAL TO CONDUCT DFGT I-IX.

(11) ORDER OF MARCH. VEHICLES WILL MOVE SECTION ORDER NUMERICALLY 1ST SECTION, 2ND SECTION, 3RD SECTION.

(12) ROAD CROSSING. AT A ROAD CROSSING, THE PLATOON WILL HALT IN A HERRINGBONE FORMATION WHEN TERRAIN ALLOWS MAINTAINING A DEFENSIVE POSTURE. WHILE THE PLATOON SERGEANT MOVES TO THE FRONT OF THE FORMATION. HE WILL THEN DROP OFF TWO ROAD GUARDS WITH REFLECTIVE VESTS AND BROOMS. ROAD GUARDS WILL HAVE FLASHLIGHTS FOR NIGHT CROSSINGS. ROAD GUARDS WILL BE BRIEFED TO MOVE OUT OF THE WAY IF ONCOMING TRAFFIC APPEARS TO NOT BE STOPPING. ONCE THE ROAD GUARDS ARE SET, THE PLATOON WILL CROSS THE ROAD. WHEN ALL VEHICLES HAVE CROSSED, THE ROAD GUARDS WILL SWEEP DEBRIS OFF THE ROAD, AND THEN GET BACK IN THE PLATOON SERGEANT'S VEHICLE.

(13) VEHICLE RECOVERY PLAN. 10 MINUTES TO TROUBLESHOOT AND 20 MINUTES TO FIX. PLATOON SERGEANT IS THE PRIMARY RECOVERY TEAM. 3RD SECTION, OR LEAST ENGAGED SECTION IS THE ALTERNATE RECOVERY TEAM. DURING **PHASE II** IF A VEHICLE IS UNABLE TO LEAVE THE RAMP IT WILL BE SECURED WITH ALL WEAPONS AND EDL TRANSFERRED TO THE PLATOON SERGEANTS VEHICLE. ON THE MOVEMENT IF A VEHICLE NEEDS TO BE TOWED THE PLATOON SERGEANT WILL REMAIN PRIMARY TOW VEHICLE WHILE THE REMAINDER OF THE PLATOON FORMS A DEFENSIVE POSTURE TO RECOVER THE DOWNED VEHICLE. IF THE VEHICLE HAS A CATASTROPHIC FAILURE PRIOR TO THE GOLD BEACH HOLE IN THE WALL THE PLATOON SERGEANT WILL TOW THE VEHICLE BACK TO THE RAMP WHILE THE SECTION MAINTAINS A DEFENSIVE POSTURE. ONCE THE PLATOON SERGEANT RETURNS THE DOWN SECTION WILL CONTINUE TO R227. THE SECTION WILL STAY IN PLACE AND BUMP ACCORDINGLY ONCE THE VEHICLE HAS BEEN RETRIEVED BY THE CONTACT TEAM. IF THE PLATOON SERGEANT VEHICLE NEEDS TO BE RECOVERED, A DEFENSIVE POSTURE WILL BE FORMED TO RECOVER DOWNED VEHICLE BY 3RD SECTION. ALL EFFORTS WILL BE MADE TO REPAIR VEHICLES IN THE FIELD AND MOVE THEM TO THE RANGE. DURING THIS PHASE, THE PLATOON WILL HAVE A MAINTENANCE CONTACT TEAM ON STANDBY. IF A VEHICLE IS DETERMINED TO BE DEADLINED AND NOT REPAIRABLE IN A TIMELY MANNER, THE DOWNED VEHICLE PLUS TWO OTHER VEHICLES WILL REMAIN IN PLACE UNTIL THE CONTACT TEAM ARRIVES. ONCE THE DOWNED VEHICLE HAS BEEN RECOVERED, THE CREW FROM THE DOWNED VEHICLE WILL EXECUTE THE BUMP PLAN AND CONTINUE TO THE RANGE. ALL EDL WILL BE TRANSFERRED AS WELL. DURING **PHASE III** SHOULD A VEHICLE NEED TO BE RECOVERED THE PLATOON SERGEANTS VEHICLE WILL RECOVERY THE VEHICLE AND BRING IT BACK TO R408A/600/800

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ENCLOSURE (43)

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WHERE MAINTENANCE WILL BE CONDUCTED TO FIX THE VEHICLE. A VEHICLE FROM ANOTHER SECTION WILL BE USED TO COMPLETE THE GUNNERY TABLE, DURING **PHASE IV** THE VEHICLE WILL BE RECOVERED AND TOWED BACK TO 3D AABN RAMP.

(14) **BUMP PLAN.** VEHICLE CREW AND EMBARKED PERSONNEL FROM THE DISABLED VEHICLE WILL BUMP TO THE SECTION LEADER'S VEHICLE. IF PLATOON SERGEANT'S VEHICLE IS THE DOWNED VEHICLE, CREW AND EMBARKED PERSONNEL WILL BUMP TO VEHICLE 3-15-11, 3-15-7, 3-15-3.

(15) **UNIFORM AND GEAR.** ALL MARINES WILL WEAR FIRE RESISTANT ORGANIZATION GEAR (FROG) AND APPROPRIATE PPE.

(16) **PPE.** PPE WILL BE WORN AT ALL TIMES WHILE CONDUCTING TRAINING. PPE CONSISTS OF KEVLAR/ FROG, EYE PRO, EAR PRO, GLOVES, PLATE CARRIERS. IFAK'S WILL BE WORN OR IN THE MARINES STATION AT ALL TIMES. GAS MASK WILL BE ACCESSIBLE TO BE DONNED AT ANY POINT BY THE MARINE DURING THE EXERCISE. FIELD DISCIPLINE WILL BE MAINTAINED THROUGHOUT THE ENTIRETY OF THE TRAINING.

(17) **ADDITIONAL TRAINING GOALS.** WHEN MARINES ARE NOT FIRING, PREPARING TO FIRE, OR SUPPORTING THE RANGE THEY WILL BE CONDUCTING SECTION LEVEL REHEARSALS FOR LIVE FIRE AND MANEUVER. IF THE SECTION HAS ALREADY COMPLETED THEIR TABLE THE ASSISTANT SECTION LEADER OR VEHICLE COMMANDERS WILL PREPARE AND BRIEF THEIR SECTION LEADERS ON OFFENSIVE MANEUVER USING THE TERRAIN MODEL. IF ALL DAY FIRE IS COMPLETE AND THE PLATOON NEEDS TO WAIT TO CONDUCT NIGHT FIRE ASSISTANT SECTION LEADERS OR VEHICLE COMMANDERS WILL CONDUCT DRY RUNS TO COMMAND AND CONTROL A SECTION.

(18) **WEAPON SYSTEMS.** ALL CREW SERVED WEAPONS WILL HAVE LIMITED TECHNICAL INSPECTIONS (LTI)/PRE-FIRE INSPECTIONS (PFI) COMPLETE PRIOR TO CONDUCTING THE RANGE. THE PLATOON SERGEANT WILL HAVE A COPY OF THE LTI/PFI PAPERWORK AND VERIFY ACCURACY BEFORE DEPARTING FOR THE RANGE. BEFORE FIRING BEGINS, HEADSPACE AND TIMING WILL BE RE-INSPECTED BY THE VEHICLE COMMANDER (VC), POSITIONAL SAFETY OFFICER (PSO), AND ARMORER WITH RSO AND OIC OVERSIGHT.

(19) **CLEARING PROCEDURES.** ONCE CREWS ARE FINISHED FIRING, THEIR WEAPONS WILL BE CLEARED OUT BY THE VC, PSO, THEN RSO ONCE THE MANEUVER IS COMPLETE. ONCE THE WEAPONS ARE CLEAR AND CONDITION FOUR AS PHYSICALLY AND VISUALLY VERIFIED BY ALL THREE INDIVIDUALS, EACH AND EVERY VEHICLE WILL RETURN TO THE PLATOON'S AMMUNITION ISSUE POINT (AIP) AND REMOVE ALL REMAINING LIVE AMMUNITION FROM THE VEHICLE. THE VEHICLE AND PERSONNEL WILL BE LINED OUT BY BOTH THE OIC AND RSO. WEAPONS WILL THEN BE ELEVATED TO 45 DEGREES ONCE LIVE FIRE HAS SEIZED FOR THE TRANSIT BACK TO THE AA.

(20) **AMMUNITION HANDLING AND DUNNAGE.** AMMUNITION WILL BE STAGED NO CLOSER THAN 100M FROM ANY OTHER STRUCTURE OR ENCAMPMENT ON PALLETS UNDERNEATH CAMOUFLAGE NETTING. SMOKING IS NOT AUTHORIZED WITHIN 100M OF THE AMMUNITION SUPPLY POINT. AN ARMED WATCH WILL BE POSTED WITH SECURITY AMMUNITION AT ALL TIMES. IN ADDITION TO THE AMMUNITION NCO IN CHARGE OF DISTRIBUTING AMMUNITION. AMMUNITION WILL BE TRACKED BY THE POSTED NCO USING A LOGBOOK AND EXCESSIVE BREAK-OUT WILL BE AVOIDED BY UTILIZING SMALLER QUANTITY LOTS FIRST. ALL SPENT CASINGS WILL BE SORTED THREE TIMES TO ENSURE NO LIVE AMMUNITION IS TURNED IN WITH DUNNAGE. UPON COMPLETION OF THE RANGE, ALL AMMUNITION WILL HAVE BEEN SORTED AND TURNED-IN ALONG WITH THE EXPENDITURE REPORT.

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(21) MARKING PLAN

(A) RANGE MARKING PLAN. DURING THE CONDUCT OF PHASE III EACH ENGAGEMENT AREA WILL BE MARKED FOR BOTH DAY AND NIGHT FIRE TRAINING. DURING THE DAY THERE WILL BE MARKING STAKES IN PLACE TO ANNOTATE THE BEGINNING AND END OF EACH ENGAGEMENT AREA. A RED FLAG WILL BE NEXT TO THE STAKE INDICATING THE START OF AN ENGAGEMENT AREA AND A GREEN RANGE FLAG WILL INDICATE A THE END OF AN ENGAGEMENT AREA. FOR NIGHT A RED CHEMSTICK WILL INDICATE THE START OF AN ENGAGEMENT AREA AND GREEN CHEMSTICK WILL INDICATE THE END OF AN ENGAGEMENT AREA. BLUE CHEMSTICKS WILL BE USED TO MARK THE ROUTE FOR IN AREAS WHERE THERE IS A STEEP DROP OFF ALONGSIDE THE ROAD. ALL VEHICLE COMMANDERS AND PSOS WILL HAVE A WHITE LIGHT SOURCE TO ENSURE WEAPONS CONDITIONS. CHEMSTICKS WILL BE USED FOR GROUND GUIDING ON AND OFF THE FIRING LINE AT NIGHT. NIGHT CONSIDERATIONS FOR A POTENTIAL AIR CASEVAC WILL INCLUDE CHEMSTICK BUZZ SAW AND NATO-Y.

(B) PERSONNEL MARKING PLAN. THE OIC, RSO, PSO, AND CORPSMAN WILL BE MARKED WITH A WHITE CHEMSTICK DURING ALL NIGHT TRAINING EVOLUTIONS.

(C) VEHICLE MARKING PLAN. VEHICLES WILL BE MARKED SECTION INTERNAL. THE SECTION LEADER WILL HAVE ONE YELLOW CHEMSTICK STARBOARD ANTENNA. THE SECOND VEHICLE IN THE SECTION WILL HAVE TWO YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA. THE THIRD VEHICLE WILL HAVE THREE YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA.

(D) RANGE FLAGS. DURING LIVE FIRE RANGE FLAGS WILL BE UTILIZED TO SHOW THE OIC AND RSO THE STATUS OF THE WEAPONS. ONCE A VEHICLE ENTERS AN ENGAGEMENT AREA THE VEHICLE COMMANDER WILL GO CONDITION ONE. UPON THE END OF AN ENGAGEMENT AREA THE VEHICLE COMMANDER WILL POST A GREEN FLAG SHOWING THE RSO THE WEAPONS ARE CONDITION FOUR. IF THERE IS A MALFUNCTION THAT CANNOT BE CLEARED OR A MISFIRE A YELLOW RANGE FLAG WILL BE POSTED ON THE TURRET. NO VEHICLES WILL DISPLACE FROM THE ENGAGEMENT AREAS UNTIL ALL VEHICLES ARE CONDITION FOUR AND RANGE FLAGS ARE POSTED ON ALL TURRETS.

(22) GATES. TO PREVENT ENTRY INTO THE TRAINING AREA IN ACCORDANCE WITH RANGE REGULATIONS THE PLATOON SERGEANT WILL ENSURE THE PLATOONS LOCKS ARE USED TO SECURE THE GATES. IF GATES ARE NOT LOCKED ROAD GUARDS WILL BE POSTED AND TWO- WAY RADIO COMMUNICATION WILL BE MAINTAINED.

(23) SAFETY DRIVERS AND CORPSMAN. THE SAFETY DRIVER AND CORPSMAN WILL BE LOCATED IN TRACK 3-15-12 AND A JLTV. SAFETY DRIVERS FOR THE AAV AND JLTV WILL BE REQUIRED TO BACK-BRIEF THE RSO THE ROUTE TO THE AMBULANCE EXCHANGE POINT IN CASE OF AN EMERGENCY. IN ADDITION TO A BACK-BRIEF, THE RSO WILL PASS SPECIFIC GUIDANCE THAT THE SAFETY DRIVER IS NO MORE THAN AN ARMS-REACH AWAY FROM THE VEHICLE, THE BACK OF THEIR VEHICLE IS KEPT CLEAR OF EQUIPMENT AND DEBRIS, AND THAT THEY KEEP THEIR PPE STAGED ON THE VEHICLE.

4. ADMINISTRATION AND LOGISTICS

A. ADMINISTRATION

(1) PERSONNEL COUNT (MO/ME/NO/NE). 1/57/0/1 TOTAL 59

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DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

(2) VEHICLE COUNT (BY TYPE AND QTY). (12) AAVP7S, (1) AAVC7

(3) SITUATION REPORTING (SITREP). THE PLATOON WILL SEND SITUATION REPORTS TO THE OOD AT THE BATTALION VIA SATCOM JBC-P AT 0600, 1200, 1800, AND 0000 DAILY.

(4) ASTRONOMICAL DATA

| DATE | SUNRISE | SUNSET | ILLUMINATION |
|---------|---------|--------|--------------|
| 10 JUNE | 05:42 | 19:50 | 88% |
| 11 JUNE | 05:42 | 19:52 | 79% |
| 12 JUNE | 05:42 | 19:55 | 70% |
| 13 JUNE | 05:42 | 19:56 | 60% |
| 14 JUNE | 05:42 | 19:57 | 50% |

(5) CASUALTY EVACUATION (CASEVAC) PLAN. IN THE EVENT OF A CASUALTY ALL TRAINING WILL CEASE AND LONGRIFLE WILL IMMEDIATELY BE NOTIFIED WHILE THE CASUALTY IS EVALUATED BY THE CORPSMAN. COMMUNICATION WILL TAKE PLACE USING A NATO 9-LINE AND WILL BE MADE BY THE OIC, RSO, OR PLATOON SERGEANT. DAYTIME LZ'S FOR AIR CASEVAC WILL BE MARKED BY A TACTICAL VEHICLE WITH AIR PANELS AND NIGHT TIME WILL BE USING A CHEMLITE BUZZ SAW. UPON ARRIVAL AT THE RANGE LZ'S WILL BE CLEARED OF ANY FOD. UPON ARRIVAL AT THE RANGE THE LZ'S WILL BE MARKED PRIOR DURING RANGE SET UP. PRIMARY LZ AT R408A WILL BE LZ STARLING. PRIMARY LZ AT R600/800 BUZZARD, ALTERNATE LZ CANARY, AND CONTINGENCY LZ BLUE BIRD.

(A) URGENT AND PRIORITY CASUALTIES. IN THE EVENT OF AN URGENT OR PRIORITY CASUALTY THE CORPSMAN WILL PROVIDE INITIAL EVALUATION AND TREATMENT OF THE INJURED MARINE. LONGRIFLE WILL BE CONTACTED IMMEDIATELY. IN THE CASE OF A GROUND MEDEVAC THE INJURED MARINE WILL BE TRANSPORTED VIA SAFETY VEHICLE TO A HIGHER ECHELON OF MEDICAL CARE. IF EMS IS NOT AVAILABLE THROUGH COORDINATION WITH LONGRIFLE THEY WILL BE TRANSPORTED TO 53, 43 OR 21 AREA BAS VIA THE SAFETY VEHICLE. IF A HIGHER ECHELON OF CARE IS NEEDED THEY WILL BE THE TRANSPORTED DIRECTLY TO THE NAVAL HOSPITAL. IF IT IS DETERMINED AIR CASEVAC IS NECESSARY IT WILL BE COORDINATED THROUGH LONGRIFLE USING ONE OF THE FOUR LZ'S.

(B) ROUTINE CASUALTIES. IF A ROUTINE CASUALTY OCCURS IN ANY OF THE TRAINING AREAS TRAINING WILL CEASE AND LONGRIFLE WILL BE NOTIFIED. THE CORPSMAN WILL PROVIDE INITIAL ASSESSMENT AND TREATMENT. BASED ON THE RECOMMENDATION OF THE CORPSMAN AND THE SEVERITY OF THE INJURY THE OIC/ RSO WILL DETERMINE IF THE MARINE WILL REMAIN IN THE FIELD OR NEEDS TO BE TRANSPORTED BACK TO THE 53/21 AREA BAS.

(5) TRAINING AND READINESS EVENTS SEE ATTACHED T&R EVENTS.

B. LOGISTICS SEE ATATCHED TSR

(1) RECOVERY ASSETS. THE PLATOON WILL HAVE FOUR TOW BARS. THE PLATOON SERGEANT'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE PLATOON. THE ASSISTANT SECTION LEADER'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE SECTION.

| | | | |
|---------------------------|----------------------------------|-----|---------|
| SIGNATURE/DATE | OIC (b)(3), (b)(6), (b)(7)(c) | RSO | GUNNER |
| (b)(3), (b)(6), (b)(7)(c) | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A/R600/R800 - COMPANY B

DATE(S): 20200610-20200614

TIME(S):

TRACKING #:

5. COMMAND AND SIGNAL:

A. COMMAND

(1) POINTS OF CONTACT. PLATOON COMMANDER 1STLT T.J. MACALEESE (339)235-0974.
PLATOON SERGEANT GYSGT H. LACEA (417)425-3483

(2) LOCATION OF KEY LEADERS. OIC WILL BE LOCATED IN VEHICLE 3-15-04. PLATOON SERGEANT WILL BE IN VEHICLE 3-15-12 WITH THE CORPSMAN DURING MOVEMENTS. DURING THE CONDUCT OF THE RANGE THE PLATOON COMMANDER WILL BE WITH THE SECTION LEADER. EACH TROOP COMMANDER HATCH WILL HAVE A PSO PRESENT.

B. SIGNAL. EACH DAY, ONCE RANGE PREPARATIONS ARE COMPLETE, THE OIC WILL CONDUCT A RADIO CHECK WITH ALL INVOLVED PARTIES: ROAD GUARDS, PSOS, AMMUNITION ISSUE POINT (AIP), RSO, AND THE BATTALION MASTER GUNNER.

| | PRIMARY | ALTERNATE | CONTINGENCY | EMERGENCY |
|-----------------------------|---------|-----------|--------------------------|-----------------------------------|
| RANGE CONTROL - "LONGRIFLE" | | | KEY LEADER CELL PHONE | |
| INTERNAL RANGE COORDINATION | | | BLACK GEAR | PLT TAC 2 NET ID. (546) VHF |
| PLATOON | | (b)(2) | BLACK GEAR | |
| BATTALION | | | JBC-P | KEY LEADER CELL PHONE |

OFFICIAL

COMMANDING

(b)(3), (b)(6), (b)(7)(c)

| | | | |
|---------------------------|---------------------------------|-----|---------|
| SIGNATURE/DATE | OK (b)(3), (b)(6), (b)(7)(c) | RSO | GUNNER |
| (b)(3), (b)(6), (b)(7)(c) | S-3 | S-3 | BN CMDR |

ENCLOSURE (63)

| | | | |
|---|---------------------------------|---|--|
| DATE 20200610-20200612 | UNIT 1/4 B CO AAV PLT | RANGE/TA R408A | TRAINING TO BE CONDUCTED AAV Direct Fire Gunnery Tables III-VI |
| OIC (b)(3), (b)(6), (b)(7)(c) | | RSO (b)(3), (b)(6), (b)(7)(c) | PERSONNEL 1 MO 57 ME 1 NE |

MISSION: From 10-16 June B CO AAV Plt will conduct DFGT I-IX in order to (IOT) meet PTP requirements for the 15th MEU.

| | |
|------------------------|--|
| <p>MAP CHIP</p> | <p style="text-align: center;"><u>TIMELINE</u></p> <p>10 JUNE 0600 REVILLE 0700 PRE OPS 0800 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED 0900 MOVEMENT FROM 227 TO R408A 1000 PLATOON OCCUPIES R408A 1030 SAFETY BRIEF IS GIVEN 1100 ZERO 1200 CREW DAY GUNNERY 1900 NIGHT SAFETY BRIEF 2000 NIGHT CREW GUNNERY 2359 RANGE COLD</p> <p>11 JUNE 0600 REVEILLE 0700 SAFETY BRIEF 0800 DAY CREW GUNNERY 1900 NIGHT SAFETY BRIEF 2000 NIGHT CREW GUNNERY 2359 RANGE COLD</p> |
|------------------------|--|

Evaluator/ A.I. Requirements

AAV Master Gunners from 3d AABn will be present to evaluate the crew on direct fire gunnery tables III-VI, consisting of day and night static shooting.

| | | |
|---|---|---|
| <p><u>TRANSPORT</u></p> <p>Platoon will self-lift to and from range utilizing 12 AAV P7s, 1 AAV C7, and 1 AAV R7</p> | <p><u>LOGISTICS</u></p> <p>Marines will be issued (5) DOS chow/water prior to transport, water jugs will be brought for sustainment.</p> | <p><u>UNIFORM</u></p> <p>Frogs with boonie cover, PPE Level 1 (plate carrier w/ front/rear SAPIs, Kevlar, eyepro/earpro)</p> |
| <p><u>COMMUNICATION PLAN</u></p> <p>AAVs will be used as primary, with PRC-117/150s as secondary once the range has been occupied. Comms w/ Longrifle via AAV/PRC-117(SC/PT). Platoon internal safety structure maintained on Mk-153 black gear.</p> | | <p><u>MEDICAL REQ.</u></p> <p>(1) Corpsman will be located with safety vehicle 3-15-12. A JLTV with Driver and A driver will also be in support.</p> |

ENCLOSURE (C3)

| | | | |
|--|--------------------------------------|---------------------------------|--|
| DATE 20200612-20200614 | UNIT 1/4 B CO AAV PLT | RANGE/TA R600 | TRAINING TO BE CONDUCTED AAV Direct Fire Gunnery Tables VII-IX |
| OIC (b)(3), (b)(6), (b)(7)(c) | RSO (b)(3), (b)(6), (b)(7)(c) | PERSONNEL 1 MO 57 ME 1 NE | |
| MISSION: From 10-16 June B CO AAV Plt will conduct DFGT I-IX in order to (IOT) meet PTP requirements for the 15th MEU. | | | |

| | |
|--|--|
| <p style="text-align: center;">MAP CHIP</p> | <p style="text-align: center;"><u>TIMELINE</u></p> <p>12 JUNE 0600 REVEILLE 0700 MOVEMENT TO R600/800 0900 OCCUPY R600/800 0930 SAFETY BRIEF 1000 SECTION LEADERS BRIEF 1100 DRY RUNS 1200 LIVE RUNS 1800 NIGHT SAFETY BRIEF 1900 SECTION LEADERS BRIEF 2000 DRY NIGHT RUNS 2100 LIVE NIGHT RUNS 2359 RANGE COLD</p> <p>13 JUNE 0600 REVEILLE 0700 SAFETY BRIEF 0800 SECTION LEADERS BRIEF 0900 DRY RUNS 1000 LIVE RUNS 1800 NIGHT SAFETY BRIEF 1900 SECTION LEADERS BRIEF 2000 DRY NIGHT RUNS 2100 LIVE NIGHT RUNS 2359 RANGE COLD</p> <p>14 JUNE 0600 REVEILLE 0700 RANGE CLEANUP 0800 RANGE INSPECTION 0900 RETROGRADE TO 3D AABN 1100 CONDUCT WASHDOWNS AND POST OPS 1700 PLATOON SECURE</p> |
|--|--|

| | | | |
|---|---|---|---|
| <p><u>Evaluator/ A.I. Requirements</u> AAV Master Gunners from 3d AABn will be present to evaluate the sections and platoon on direct fire gunnery tables VII-IX, consisting of day and night shooting.</p> | <p><u>TRANSPORT</u> Platoon will self-lift to and from range utilizing 12 AAV P7s, 1 AAV C7, and 1 AAV R7</p> | <p><u>LOGISTICS</u> Marines will be issued (5) DOS chow/water prior to transport, water jugs will be brought for sustainment.</p> | <p><u>UNIFORM</u> Frogs with boonie cover, PPE Level 1 (plate carrier w/ front/rear SAPIs, Kevlar, eyepro/earpro)</p> |
| | <p><u>COMMUNICATION PLAN</u> AAVs will be used as primary, with PRC-117/150s as secondary once the range has been occupied. Comms w/ Longrifle via AAV/PRC-117(SC/PT). Platoon internal safety structure maintained on Mk-153 black gear.</p> | | <p><u>MEDICAL REQ.</u> (1) Corpsman will be located with safety vehicle 3-15-12. A JLTV with Driver and A driver will also be in support.</p> |

ENCLOSURE (62)

| | | | |
|---|---------------------------------|---|--|
| DATE 20200612-20200614 | UNIT 1/4 B CO AAV PLT | RANGE/TA R800 | TRAINING TO BE CONDUCTED AAV Direct Fire Gunnery Tables VII-IX |
| OIC (b)(3), (b)(6), (b)(7)(c) | | RSO (b)(3), (b)(6), (b)(7)(c) | PERSONNEL 1 MO 57 ME 1 NE |
| MISSION: From 10-16 June B CO AAV Plt will conduct DFGT I-IX in order to (IOT) meet PTP requirements for the 15th MEU. | | | |

MAP CHIP

TIMELINE

12 JUNE
0600 REVEILLE
0700 MOVEMENT TO R600/800
0900 OCCUPY R600/800
0930 SAFETY BRIEF
1000 SECTION LEADERS BRIEF
1100 DRY RUNS
1200 LIVE RUNS
1800 NIGHT SAFETY BRIEF
1900 SECTION LEADERS BRIEF
2000 DRY NIGHT RUNS
2100 LIVE NIGHT RUNS
2359 RANGE COLD

13 JUNE
0600 REVEILLE
0700 SAFETY BRIEF
0800 SECTION LEADERS BRIEF
0900 DRY RUNS
1000 LIVE RUNS
1800 NIGHT SAFETY BRIEF
1900 SECTION LEADERS BRIEF
2000 DRY NIGHT RUNS
2100 LIVE NIGHT RUNS
2359 RANGE COLD

14 JUNE
0600 REVEILLE
0700 RANGE CLEANUP
0800 RANGE INSPECTION
0900 RETROGRADE TO 3D AABN
1000 CONDUCT WASHDOWNS AND POST OPS
1500 PLATOON SECURE

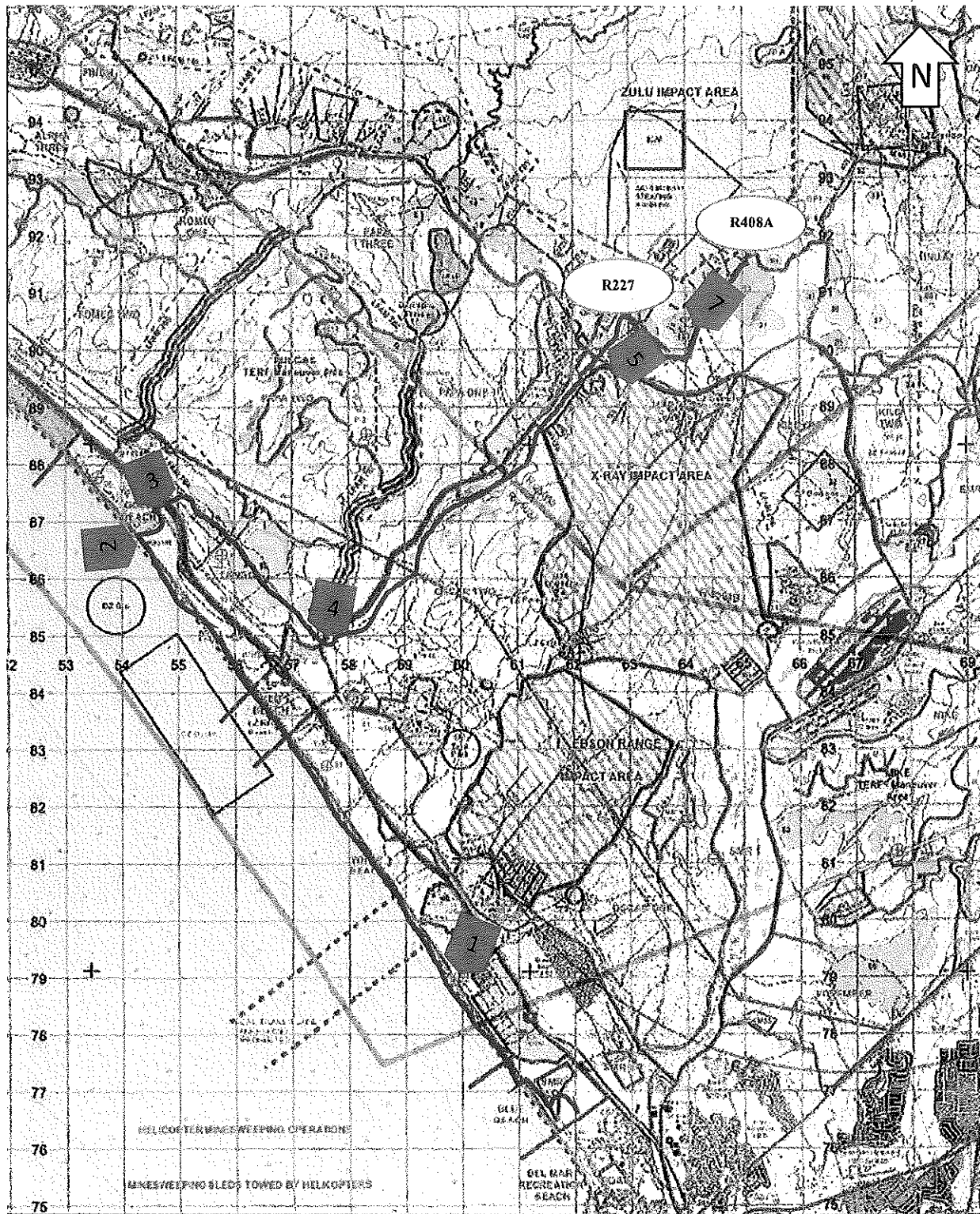
Evaluator/ A.I. Requirements

AAV Master Gunners from 3d AABN will be present to evaluate the sections and platoon on direct fire gunnery tables VII-IX, consisting of day and night shooting.

| | | |
|--|--|--|
| <p>TRANSPORT</p> <p>Platoon will self-lift to and from range utilizing 12 AAV P7s, 1 AAV C7, and 1 AAV R7</p> | <p>LOGISTICS</p> <p>Marines will be issued (5) DOS chow/water prior to transport, water jugs will be brought for sustainment.</p> | <p>UNIFORM</p> <p>Frogs with boonie cover, PPE Level 1 (plate carrier w/ front/rear SAPIs, Kevlar, eyepro/earpro)</p> |
| <p>COMMUNICATION PLAN</p> <p>AAVs will be used as primary, with PRC-117/150s as secondary once the range has been occupied. Comms w/ Longrifle via AAV/PRC-117(SC/PT). Platoon internal safety structure maintained on Mk-153 black gear.</p> | <p>MEDICAL REQ.</p> <p>(1) Corpsman will be located with safety vehicle 3-15-12. A JLTV with Driver and A driver will also be in support.</p> | |

ENCLOSURE (3)

ROUTE-R222 DFGT III-VI



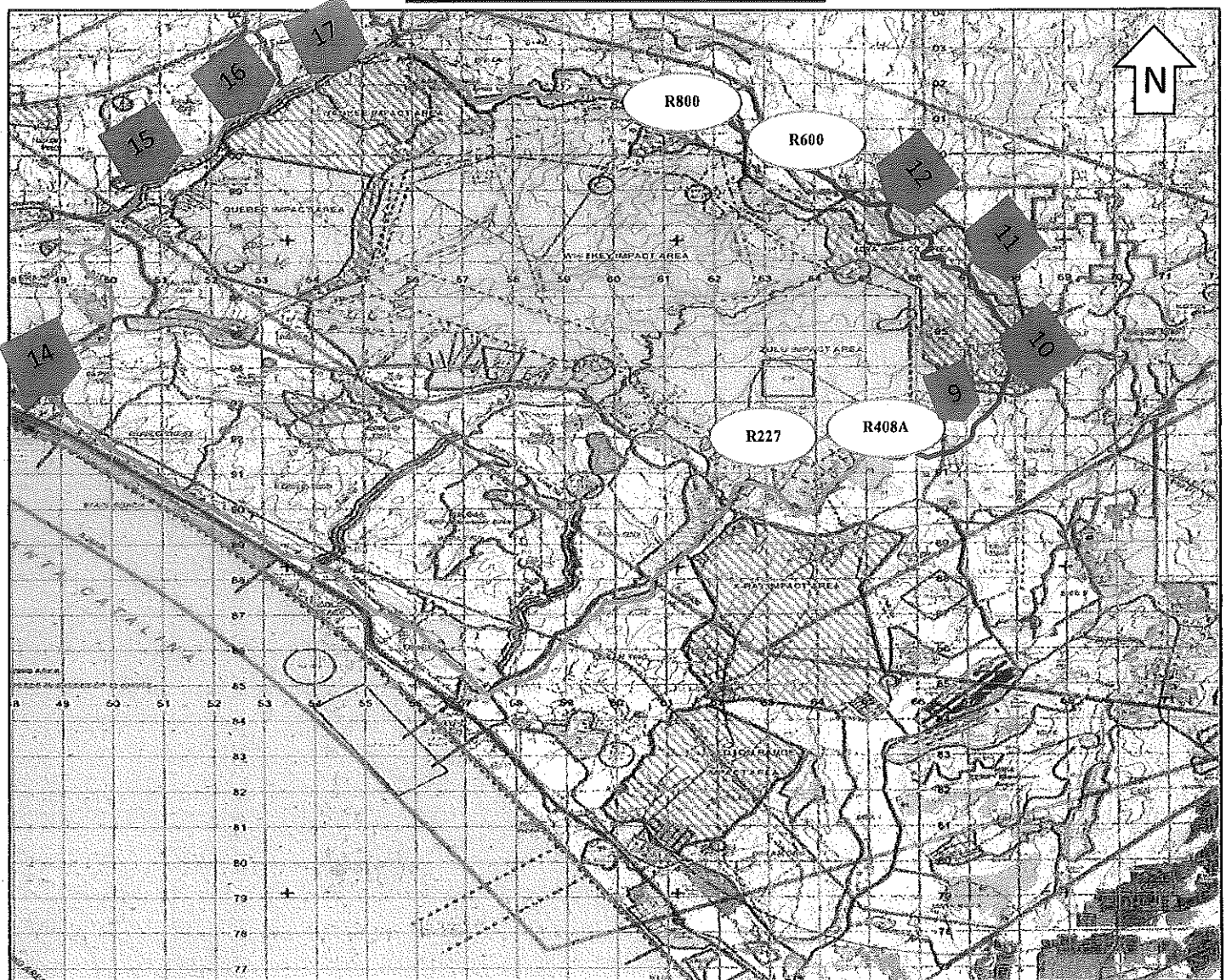
Check Points:

- 1: 11S MS 5922 7995 (LCAC TOWER)
- 2: 11S MS 5570 8488 (WARRIORS COVE)
- 3: 11S MS 5509 8632 (HOLE IN THE WALL)
- 4: 11S MS 5763 8501 (LAS PULGAS CROSS)

- 5: 11S MS 6246 8987 (BASILONE CROSS)
- 6: 11S MS 6325 9050 (R227)
- 7: 11S MS 6433 9049
- 8: 11S MS 6654 9188 (R408A)

ENCLOSURE (63)

ROUTE-R600/800 DFGT VII-IX



Check Points:

- 9: 11S MS 6342 9182
- 10: 11S MS 6709 9332
- 11: 11S MS 6645 9604
- 12: 11S MS 5413 9853
- 13: 11S MS 5530 0325 (R600)
- 13: 11S MT 6099 0073 (R800)

Alternate:

- 14: 11S MS 4935 9280 (101)
- 15: 11S MS 5062 9907 (HOLF)
- 16: 11S MT 5300 0121 (CREEK CROSSING)
- 17: 11S MT 5565 0325 (R700 CROSSING)

RANGE SPECIAL INSTRUCTIONS

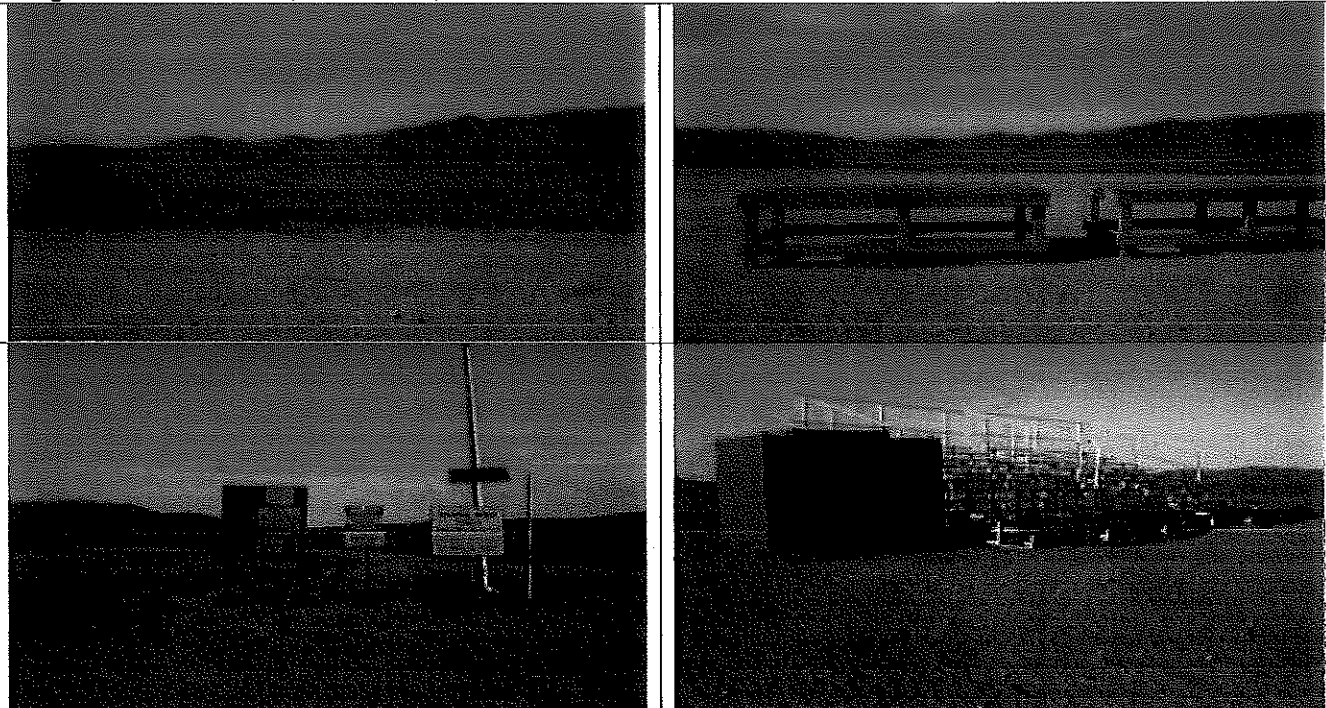
Date Revised – 11 February, 2020

Face to Face is NOT Require Prior to Going Into a Hot Status

| Face to Face is NOT Require Prior to Going Into a Hot Status | | | |
|--|--|---|---|
| Range: R-408A | Location: 65229 91667 | Allowable Weapons 155mm - Arty Direct Fire 120mm Main Tank - (TP-T Only) 25mm (TP-T/TPCSDS-T Only) Infantry Rockets - All Carl Gustaf (HE & HEDP Only) TOW – HEAT & Inert Javelin GM Rifles - .50 caliber and below Machineguns - .50 caliber and below No SLAP/SLAP-T Service Shotguns & Service Pistols - (See Scheduling) MK19 – 40mm All 40mm Shoulder Fired Weapons – (See Scheduling) M257 Smoke Grenade Launcher Infantry Mortars - All | Vehicles: 1. Road & River Report Dependent. 2. Maximum of five (5) POVs are Authorized to park in parking lot area with or without a POV pass. 3. POVs are not authorized when Artillery, Mortars, Rockets/Missiles are present. |
| Elevation: 575' AMSL | Impact Area: Zulu/ Whiskey | | |
| Troop Penetration: Prohibited | | | |
| Type: Tank & Fighting Vehicles | Engagement Distance: Min – 10 Meters Max – 4,000 meters | | |

THIS IS NOT CONTRACTOR SUPPORTED RANGE

Range Facilities: Bleachers, Ammo tables, Ammo shelters



Scheduling

- Unit shall utilize RFMSS to schedule range.
- Scheduling of this range for the firing of shoulder fired 40mm, Infantry Rockets, Service Shotguns or Service Pistols must be done concurrently with heavy weapons.**
- Final scheduling of this facility must be approved by MCB Camp Pendleton Range Scheduling.

| Closed To Any Use | Facility May Still Be Used With Restrictions | Facility Must Check Fire ALL Weapons |
|---|--|--------------------------------------|
| Facility Occupied, or in Training/Live Fire Status | | |
| Effects to R-408A | | |
| A-R220 (W) | C/F 155MM DIRECT FIRE & .50 CAL (A606) | |
| A-R220 TACP OP JACOB | C/F 155MM DIRECT FIRE & .50 CAL (A606) | |
| A-R220 TACP OP M | C/F 155MM DIRECT FIRE & .50 CAL (A606) | |
| A-409A TACP | L/F TOW @R408A CLOSSES 409A TACP | |
| A-R440 (Z) | CHECK FIRE | |
| A-R440 TACP | CHECK FIRE | |
| A-R440 URBAN TACP | CHECK FIRE | |
| IMP WHISKEY | C/F 155MM DIRECT FIRE & .50 CAL (A606) | |

Special Instructions Continued on Next page

ENCLOSURE (43)

RANGE AND TRAINING REGULATIONS

| Facility Occupied, or in Training/Live Fire Status | Effects to R-408A |
|--|---|
| IMP ZULU | CHECK FIRE |
| R- 223B | CHECK FIRE TOW |
| R-408B | CHECK FIRE RKTS, MK19, TOW FOR DWN RNG MVT @R408B |
| R-409A RFA | CHECK FIRE TOW & CARL GUSTAV |
| R-800 | CHECK FIRE 155MM DIRECT FIRE |
| AFA 21 DPICM | CLOSED |
| AFA 30 HIMARS | CLOSED |
| AFA 31 DPICM | CLOSED |

OIC/RSO Requirements

1. A safety Brief shall be conducted prior to each live fire event to all participants.
2. All personnel shall wear required PPE during all training events.
3. Tanks/LAVs/TOW/Artillery/40mm HEDP/Rockets
 - a. OIC Requirement – GySgt or Above
 - b. RSO Requirement –SSgt or Above
4. Small Arms-.50 Caliber & below/40mm TP
 - a. OIC Requirement – SSgt or Above
 - b. RSO Requirement – Sgt or Above
5. No Munitions
 - a. OIC Requirement – None
 - b. RSO Requirement – Cpl or Above
6. LASER (If Used) LRSO Requirement –Sgt or Above
7. Weapons Qualified PSOs
 - a. **Daylight** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **FOUR** Marines.
 - b. **Night** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **TWO** Marines.

Range Guards, Signs and Gates

1. **Range Guards and Gates:**
Range 409A RFA Gate/RG at 66118 95703
 - a. Range 409A RFA Gate/RG is required when firing TOW/Javelin Missiles.
 - b. Range 409A RFA Gate/RG can be locked with a Unit provided lock. If using Unit does not have a lock, Range 409A RFA Gate/RG must be posted.
 - c. **Range Guards shall be posted in pairs of two with two-way radio communication with the RSO**
 - d. No traffic or personnel shall enter R408A without the OIC's or RSO's permission.
 - e. **Range Guards** are required when firing weapon systems with a back blast at the entrance at 65229 91677

.50 Caliber and below Rifles / Machine Guns (No SLAP/SLAP-T)

| .50 Caliber Below Static Fire | 10 Meter BZO/Qualification |
|--|--|
| <ol style="list-style-type: none"> 1. Cross firing is not being conducted. 2. All setting of T&E's and Tripods are conducted and report to the OIC. 3. Guns are laid in with a compass and verified by the RSO. 4. Positive stops are used to prevent firing out of the approved SDZ. 5. All tripods are sandbagged. 6. The use of Tracers are FDR Dependent. 7. Firing Line 65128 91781 to 65201 91917 Lateral Limits: LLL: 300° mag RLL: 311° mag | <ol style="list-style-type: none"> 1. All setting of T&E's and Tripods are conducted and report to the OIC. 2. Guns are laid in with a compass and verified by the RSO. 3. Positive stops are used to prevent firing out of the approved SDZ. 4. All tripods are sandbagged. 5. All M249/M240G BZO and 10 meter qualification can use pallets set on the firing line. 6. Any engineer stakes used for pallets must be placed on the outside edges of the pallets. 7. The firing line is backed off the target line IAW TM's for BZO and 10 meter 7.62mm qualifications. 8. The use of Tracers must be FDR Dependent. |
| .50 Caliber and Below Defllade | Target Line |
| <ol style="list-style-type: none"> 1. Firing Box 65233 91808 to 65271 91973 to 65163 91845 to 65201 91917 2. Lateral Limits: LLL: 300° mag RLL: 311° mag | Firing Line 65137 91776 to 65210 91912 Lateral Limits: LLL: 300°mag RLL: 311°mag |

Special Instructions Continued on Next page

ENCLOSURE (C3)

RANGE AND TRAINING REGULATIONS

Shoulder Fired 40mm

1. **When conducting Shoulder Fired 40mm Training the RSO Must Ensure:**
 - a. Personnel are instructed in the proper use of grenade launchers and applicable safety precautions before firing with live ammunition.
 - b. Protective helmet and body armor or PPE Level 1 (Marine Corps) is worn when firing HE ammunition. Requirement for eye protection must be determined by the commander as part of the risk management process.
 - c. Single hearing protection is worn within 2 meters of firing these grenade launchers.
 - d. That the minimum target engagement for MK32, M79, M203, and M320 grenade launchers firing HE ammunition is 130m or 165 m, depending on type of ammunition.
 - e. All duds are reported to LONGRIFLE.
 - f. Targets are engaged only at ranges greater than 75m with training practice (TP) ammunition.
2. **Firing Data:**
Firing Line
 65128 91781 to 65201 91917
Lateral Limits:
LLL: 296° mag
RLL: 311° mag

MK-19

| Static | Defilade |
|---|---|
| <ol style="list-style-type: none"> 1. Targets are engaged only at ranges greater than 75 meters with training practice (TP) ammunition. 2. Targets are engaged only at ranges greater than 310 meters with High Explosive (HE) ammunition. 3. Gunners, crew members, and other personnel at the firing position are wearing protective helmet, eye/ear protection, and body armor (PPE Level 1) at all times when firing HE ammunition. 4. Firing Data: Firing Line 65140 91803 to 65201 91917 Lateral Limits: LLL: 296° mag RLL: 311° mag | <ol style="list-style-type: none"> 1. Targets are engaged only at ranges greater than 75 meters with training practice (TP) ammunition. 2. Targets are engaged only at ranges greater than 310 meters with High Explosive (HE) ammunition. 3. Gunners, crew members, and other personnel at the firing position are wearing protective helmet, eye/ear protection, and body armor (PPE Level 1) at all times when firing HE ammunition. 4. Firing Data: Start Firing Line 65181 91799 to 65233 91899 Cease Firing Line 65153 91825 to 65201 91917 Lateral Limits: LLL: 300° mag RLL: 311° mag |

Rockets

Carl Gustaf- NO HEAT Rounds

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. MAAWS (Carl Gustaf) <ol style="list-style-type: none"> a. Prone firing of MAAWS HE or TP ammunition is not authorized. b. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. c. All personnel within a 100 meters radius of the MAAWS must wear double hearing protection. d. All personnel within 101-500 meter radius of the MAAWS must wear single hearing protection. e. All personnel within a 20 meters radius of the MAAWS must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. 3. AT-4 HE <ol style="list-style-type: none"> a. Prone or foxhole firing of AT-4 HE (M136) is not authorized. b. In training, an individual may fire one round from the sitting position or three rounds from the standing or kneeling positions in a 24-hour period. c. All personnel within a 20 meters radius of the AT4 must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. | <ol style="list-style-type: none"> 2. SMAW HE <ol style="list-style-type: none"> a. During training with the SMAW, the gunner, assistant gunner or any instructors are authorized to fire/be exposed to only five rounds per day. b. All personnel within a 100 meters radius of the SMAW firing HE type rounds must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. c. All personnel within 390 meter radius of the SMAW must wear single hearing protection. 4. LAW HE <ol style="list-style-type: none"> a. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. b. All personnel within a 20 meters radius of the LAW must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. |
|---|--|

Firing Data

1. **Firing Line**
 65128 91781 to 65201 91917
Lateral Limits:
LLL: 296° mag
RLL: 311° mag

Special Instructions Continued on Next page

ENCLOSURE (GP)

RANGE AND TRAINING REGULATIONS

TOW - HEAT & Inert / JAVELIN GM

1. **When conducting TOW/JAVELIN:**
2. **For all TOW/JAVELIN:**
 - a. All TOW/JAVELIN firing must be conducted from the far right side of the firing line.
 - b. OIC/RSO must ensure that TOW/JAVELIN Gunners only engage authorized TOW/JAVELINE targets.
 - c. Maximum of two vehicles/launchers must be allowed on the line at one time.
 - d. TOW wire must be cut and recovered after firing is secured.
3. **Firing Data:**
Firing Line
 65191 91900 to 65201 91917
Lateral Limits:
LLL: 307°mag
RLL: 314°mag

Mortar and Artillery Firing Data

1. **When conducting Mortar or Artillery Training the RSO must ensure:**
 - a. POV's do not enter MP- R408A even if they have a range pass.
 - b. To report, to LONGRIFLE the Max Ord and charge to be fired.
 - c. The Max Ord remains within the scheduled Airspace and must be at least 1000 Feet below any FW Aircraft transitioning over the Impact Area.
 - d. That the FDC has plotted the target box and any RFA's on both the primary and secondary plotting boards for Mortars.
 - e. To check the FDC/Gun line Safety-T's. Safety-T shall be on hand with each gun.
 - f. Mortar and Artillery Position engage targets utilizing the data contained in this brief.
 - g. Mortars fire registration fires that shall be verified by the RSO prior to the exercise.
 - h. Base Plates shall be marked at 11 o'clock and aiming stakes shall be left in place after registration.
2. **During all powder burning activities:**
 - a. Increment Burning shall be IAW CAMPENO 3500.1A
 - b. Units must contact LONGRIFLE for permission prior to burning increments.
 - c. Powder shall be burned in areas cleared to mineral earth, and located no closer than 200 feet from vegetation.
 - d. Unit must not exceed 100 increments or 40 bags at any one time while burning.
 - e. Units must have fire extinguishers, water, and shovels at the burn site.
 - f. Units must remain at the burn site for 30 minutes after the last burn, ensuring no fires have been started in the surrounding vegetation.
 - g. Units must contact LONGRIFLE after last increment or bag has burned and 30 minutes has passed.

| 60mm Mortars Handheld | Firing Box Boundaries | Target Box Boundaries |
|---|---|---|
| Center Firing Point- 65181 91848 LLL: 5475 mils grid RLL: 5740 mils grid Min Range- 450 meters Max Range- 1,300 meters Max Charge- 1 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64826 92125 to 64909 92207 to 64396 92885 to 64156 92648 |
| 60mm Mortars | Firing Box Boundaries | Target Box Boundaries |
| Center Firing Point- 65181 91848 LLL: 5475 mils grid RLL: 5740 mils grid Min Range- 1,000 meters Max Range- 3,300 meters Max Charge- 4 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879 |
| 81mm Mortars | Firing Box Boundaries | Target Box Boundaries |
| Center Firing Point- 65181 91848 LLL: 5475 mils grid RLL: 5740 mils grid Min Range- 1,000 meters Max Range- 3,300 meters Max Charge- 2 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879 |

155mm- Arty Direct Fire

| 155mm Artillery | Firing Box Boundaries | Target Box Boundaries |
|---|---|---|
| Center Firing Point- 65181 91848 LLL: 1645 mils grid RLL: 1790 mils grid Min Range- 800 meters Max Range- 1,600 meters Max Charge- 3 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64550 92341 to 64682 92474 to 64184 93100 to 63919 92833 |

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE AND TRAINING REGULATIONS

LAV System

1. **DO NOT GO PAST THE ESTABLISHED FIRING LINE.**
2. **Cross-lane firing is prohibited.**
3. RSO must assign left & right lateral limits to each individual and/or weapons system/platform.
4. Personnel must NOT be within the 25mm SDZ or forward of the 2nd road wheel of LAV-25.
5. **Firing Data:** 25 mm TP-T & TPDS-T only
Firing Line –
65128 91781 to 65201 91917
Lateral Limits:
LLL: 300°mag
RLL: 311°mag

Main Tank System

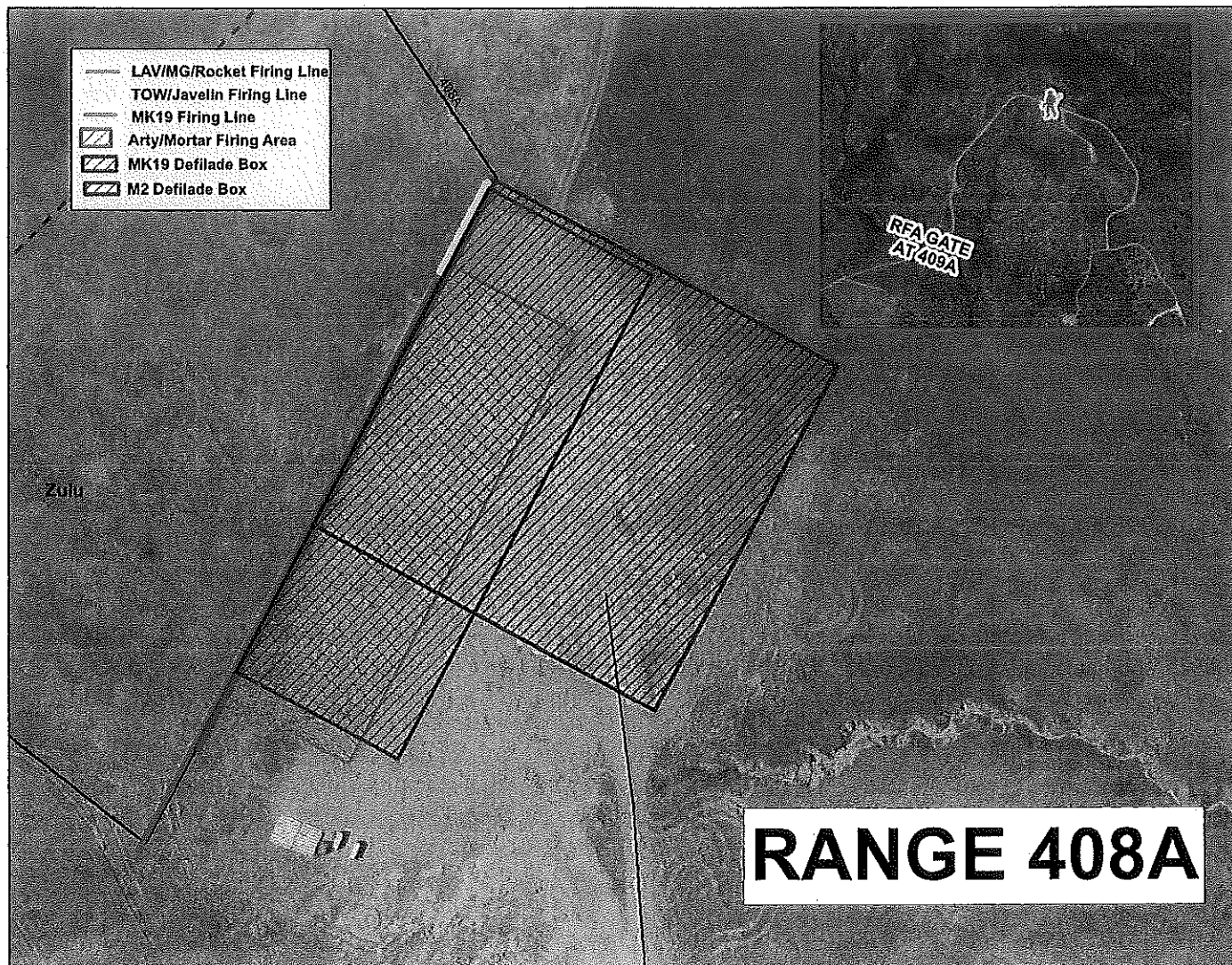
Firing Data: TP-T Only
Firing Line –
65128 91781 to 65201 91917
Lateral Limits:
LLL: 300°mag
RLL: 311°mag
Elevation for 120mm will not exceed 5 degrees.

During Armored Vehicles Live Fire, The Following Flag Display System Must Be Used

1. **Red** – Weapons are loaded, on target, weapon arm switch is on fire, and manual safety is off.
2. **Green** – All weapons are cleared and elevated, weapon arm switch is on safe and manual safety is off. No ammunition on vehicle.
3. **Yellow & Red** – Malfunction or misfire, weapon arm switch is on safe and manual safety is on or Ammunition on vehicle
4. **Yellow & Green** – Malfunction, weapons are clear, weapon arm switch is on safe and manual safety is on, no ammunition on vehicle.
5. **Red & Green** – Crew preparing to fire or crew is conducting non-firing exercise, ammunition is either stowed or loaded in ready boxes.
6. Regardless of displayed flags, the RSO must physically verify all weapons are clear prior to any movement of vehicles or reporting to LONGRIFLE that Weapons are clear.

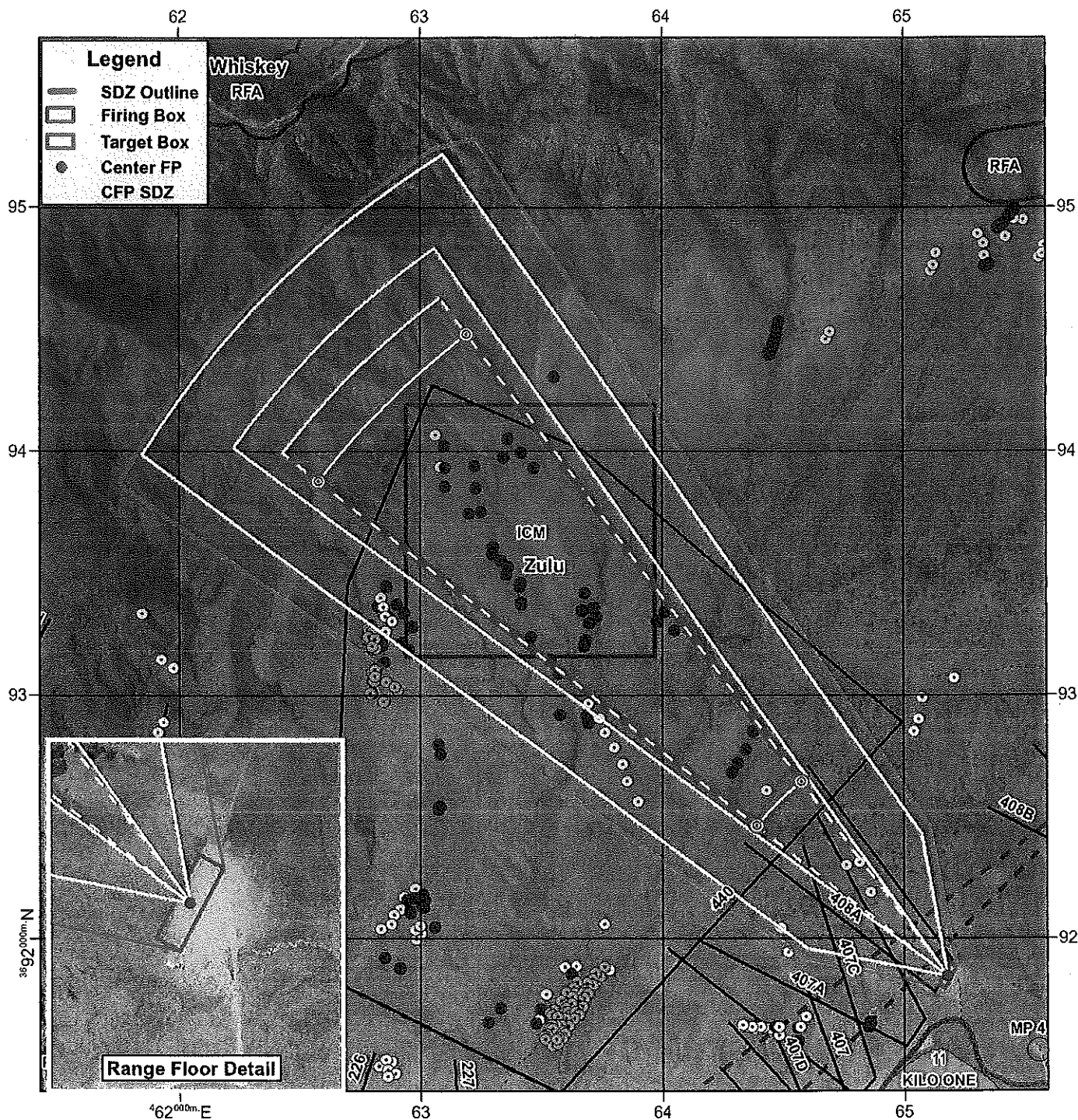
Special Instructions Continued on Next page

ENCLOSURE (63)



Weapon Type: 60mm MORTARS

Map Scale = 1:22,662



Weapon: 60mm Mortars
 Ammo: HE M720/M734 MOF
 DODIC: B642
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 60mm Min Range: 1,000 meters
 60mm Max Range: 3,300 meters
 Max Charge: 4
 Charge 4 Distance X: 3,489 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879

MP-408A Zulu

- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

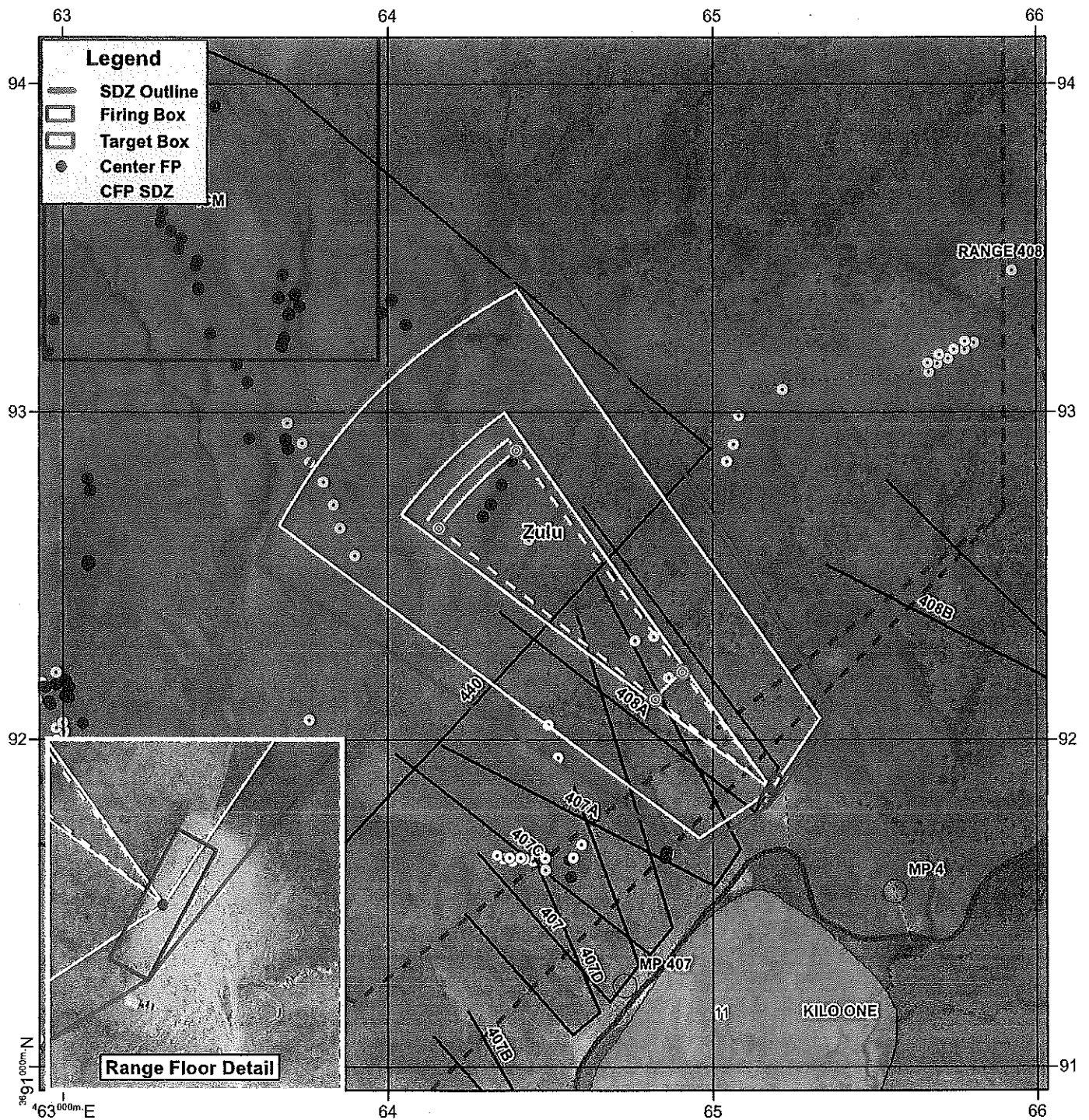
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(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

Weapon Type: 60mm Handheld MORTARS

Map Scale = 1:16,864



Weapon: 60mm Handheld Mortars
 Ammo: HE M720/M734 MOF
 DODIC: B642
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 60mm Min Range: 450 meters
 60mm Max Range: 1,300 meters
 Max Charge: 1
 Charge 1 Distance X: 1,342 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64826 92125 to 64909 92207 to 64396 92885 to 64156 92648

MP-408A Zulu

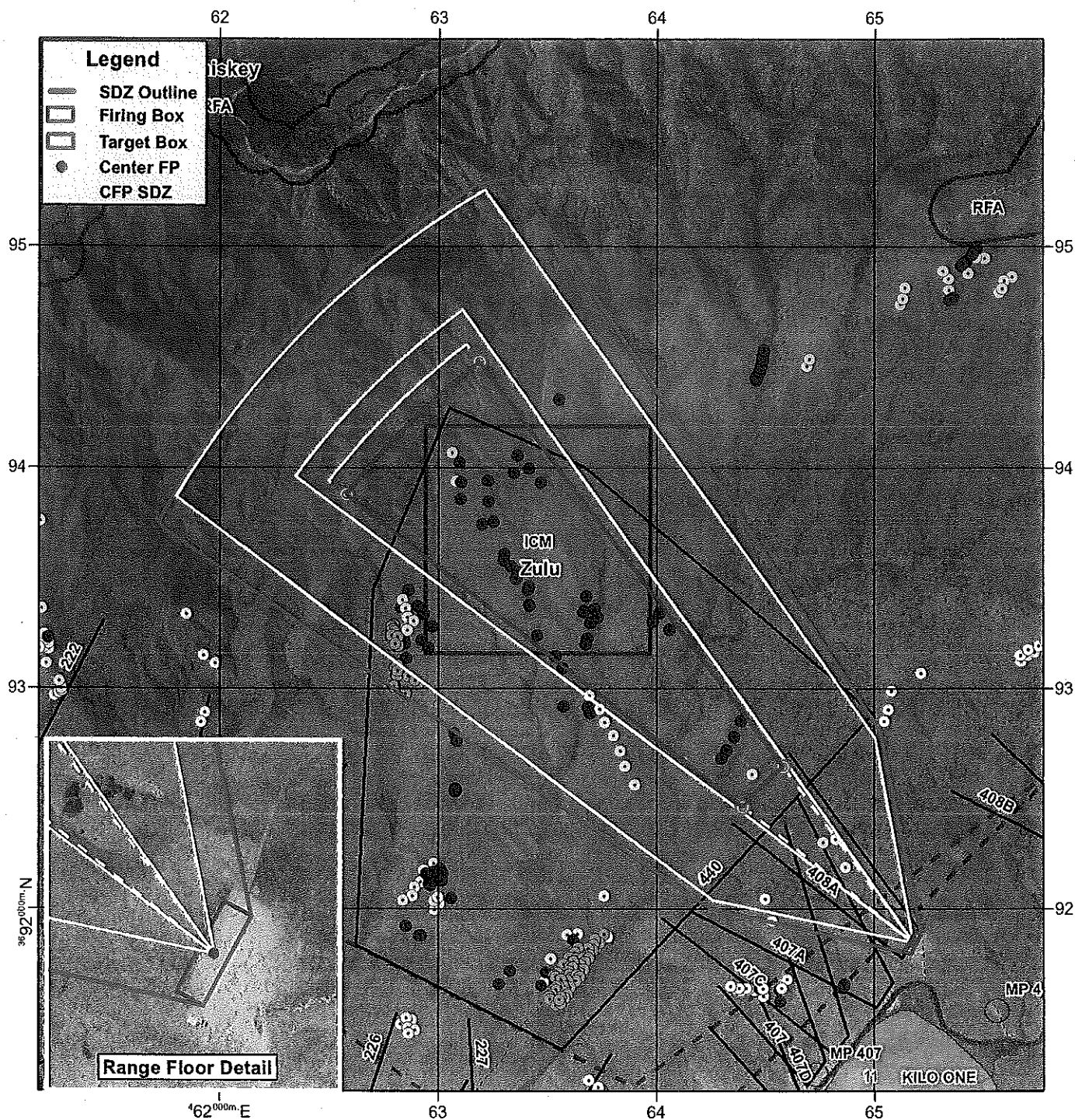
- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

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ENCLOSURE (61)

Weapon Type: 81mm MORTARS Map Scale = 1:25,000



Weapon: 81mm Mortars
 Ammo: HE M821 w/M734 MO Fuze
 DODIC: C868
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 81mm Min Range: 1,000 meters
 81mm Max Range: 3,300 meters
 Max Charge: 2
 Charge 2 Distance X: 3,400 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879

MP-408A Zulu

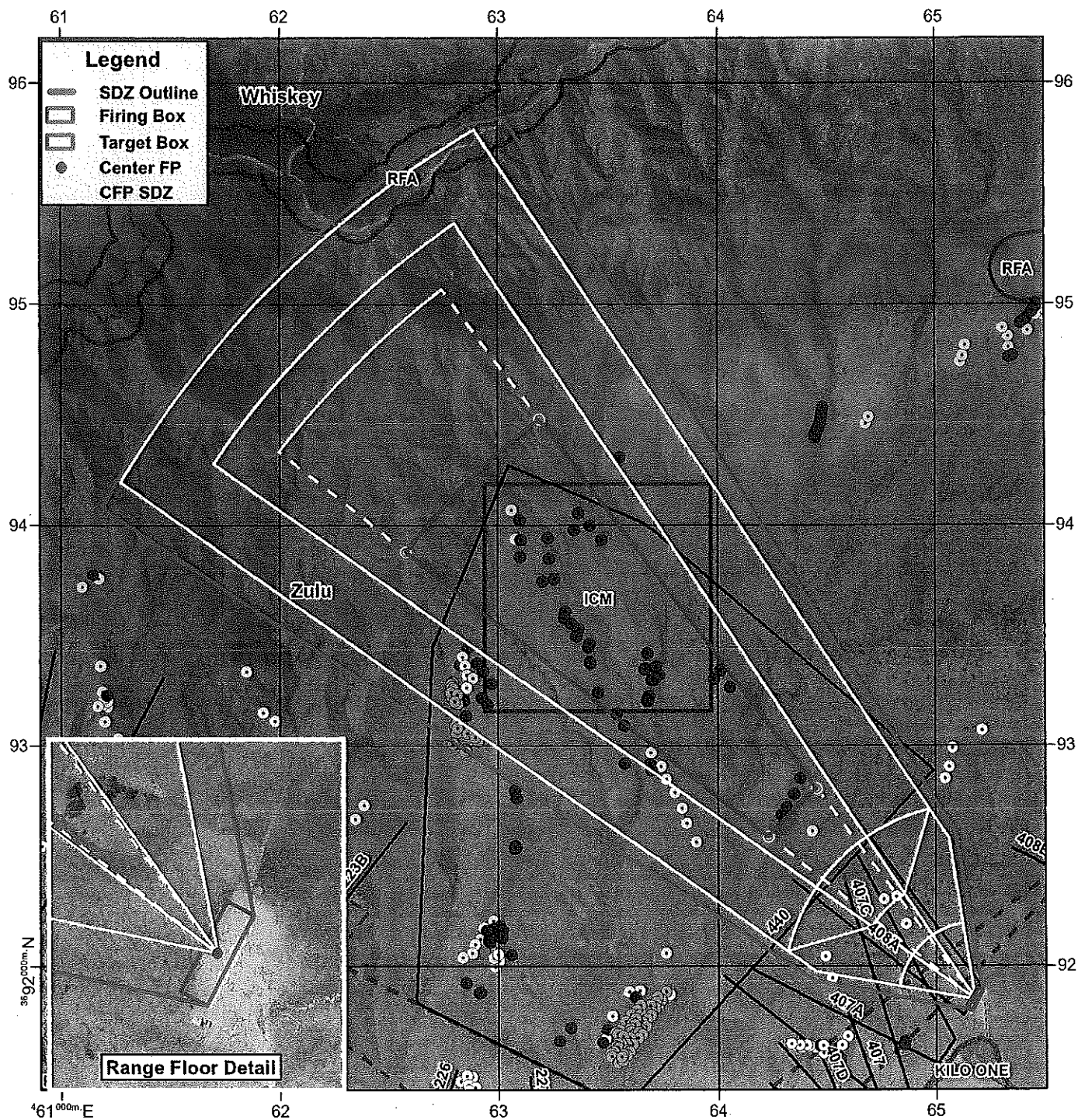
- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

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 Approving /

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (43)

Weapon Type: 120mm RIFLED MORTARS Map Scale = 1:25,000



Weapon: 120mm Mortars
 Ammo: M1101 HE
 DODIC: CA45
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 81mm Min Range: 1,200 meters
 81mm Max Range: 3,300 meters
 Max Charge: 2
 Charge 2 Distance X: 4,037 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64235 92587 to 64456 92805 to 63189 94479 to 62579 93879

MP-408A Zulu

- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

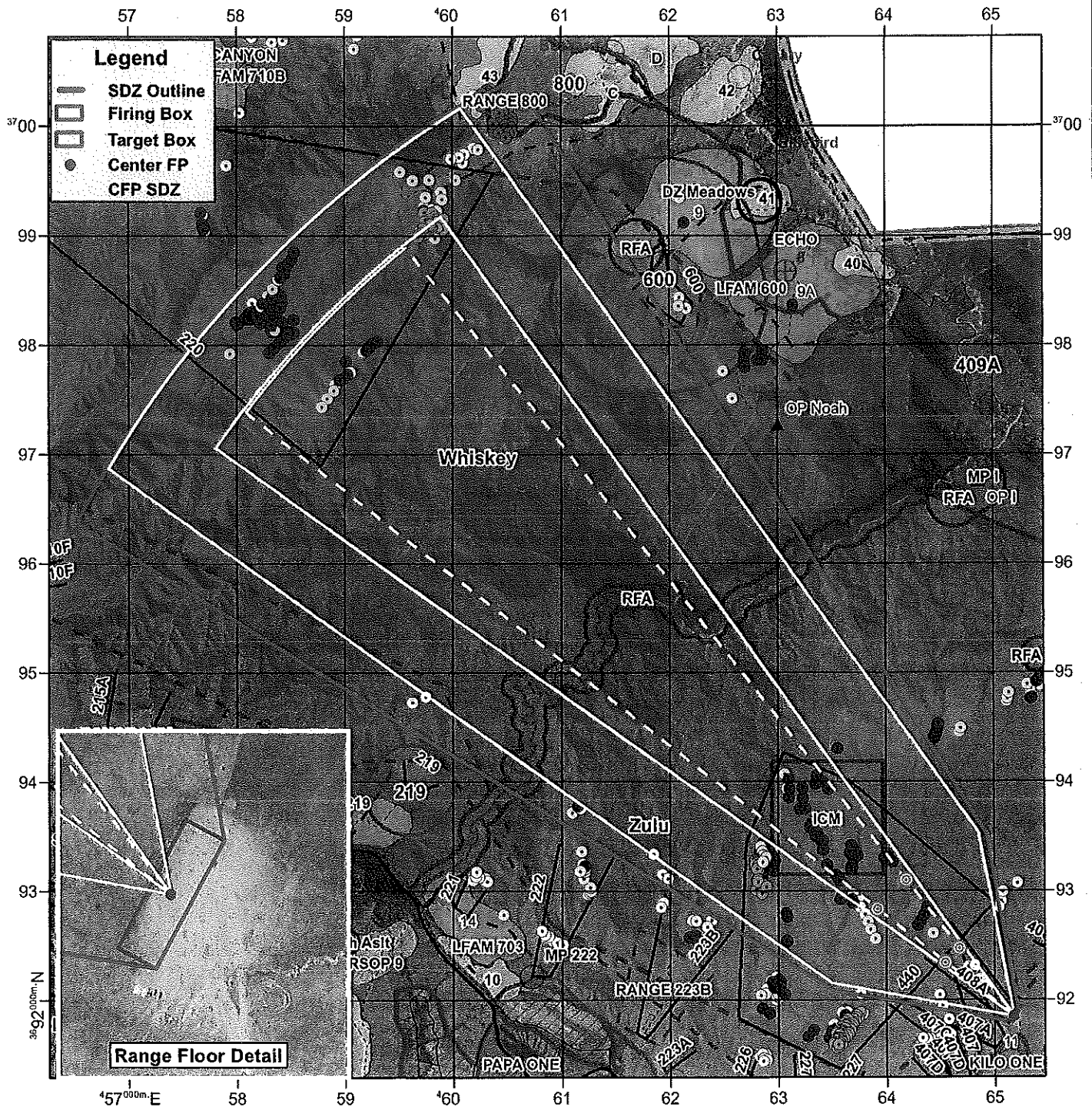
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(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (23)

Weapon Type: ARTILLERY

Map Scale = 1:50,000



Weapon: 155 mm
Center Firing Point: 65181 91848
Left Lateral Limit: 1645 mils Grid
Right Lateral Limit: 1790 mils Grid
Max Range: 1,600 Meters
Min Range: 800 Meters
Max Charge: 3
Charge 3 Distance X: 9,000
FP Elevation: 570 Feet AMSL
Impact Area: Zulu/Whiskey

OIC shall report to LONGRIFLE:
Max Ord & Charge to be fired, any HE/WP/Smoke rounds falling short into RFA
Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
Firing Gun Line Must Remain Within Firing Box Boundaries
Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
Target Box Boundaries
Target Box Boundaries: 64550 92341 to 64682 92474 to 64184 93100 to 63919 92833

MP-408A Zulu

Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.

When shooting High Angle Fires above 15,000 Ft, R2503C restricted airspace must be requested and approved.

Range Guards must be posted to prevent entry into Area E. #1 - 65234 91677

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(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

Date Revised: 03 March, 2020

FACE TO FACE IS REQUIRED WITH RANGE SAFETY

TESTING OF ANY FIRING DEVICE MUST ONLY BE DONE AT THE DESIGNATED FL

ALL SHOTS GREATER THAN 5 LBS. NEW MUST CANNOT BE FIRED WITHOUT HEAVY EQUIPMENT ON HAND

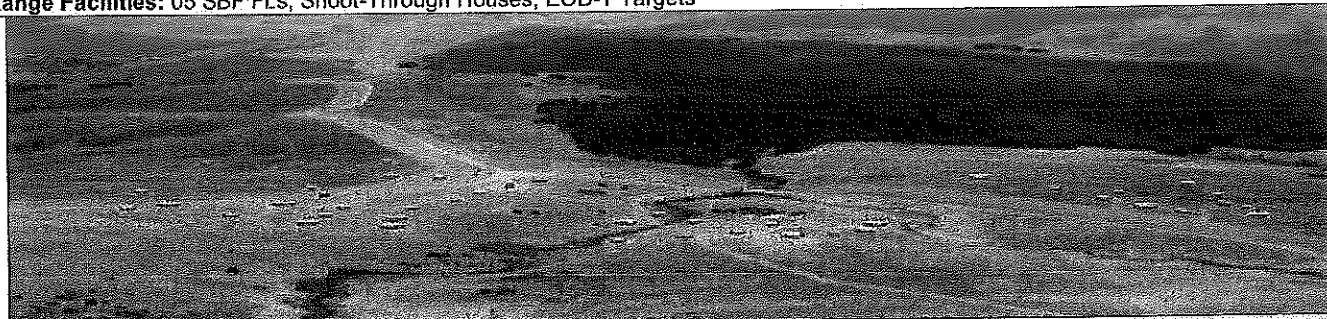
If Training Unit Will Be Utilizing TRP #1 to Fire 60mm & 81mm Mortars, HE Rockets, or APOBS

NLT 14 days from start of training event, unit must contact MCB EOD IOT Schedule a Post Training Clearance Inspection

| | | | |
|---|--|---|--|
| Range: R800 | Location: 60994 00730 | Allowable Weapons | Vehicles: |
| Elevation: 2,340' AMSL | Impact Area: Whiskey & Yankee | 25mm - (TP only) Shotguns - (All) 40mm - (All) Infantry Rockets - (All) Mortars - (All) MG's - .50 caliber and below (No Slap-T) Rifles - .50 caliber and below (No A606 RAFUS) Pistols - .45 cal. and below (All) Grenades - (All) Demo - 20lbs. NEW, Bangalore's, Claymores, APOBS TOW - (MOIC Only) Javelin - (IGM NOT AUTHORIZE) | 1. Road & River Report Dependent. 2. POVs (Trucks) with passes are authorized to park in the Assembly Area ONLY. |
| Troop Penetration: Not Beyond Footprint of Range | | | |
| Type: Offensive Combat Range (platoon) | Engagement Distance: Min - 3 Meters Max - Weapons Dependent | | |

CONTRACTOR SUPPORT IS REQUIRED FOR PITS AND ARTS

Range Facilities: 05 SBF FLs, Shoot-Through Houses, EOD-T Targets



Scheduling

- All scheduling requests for R800 must be submitted via their battalion.
- IOT fire TOW HEAT from SBF #1, unit must schedule R800 TOW in conjunction with R800.
- IOT utilize Aerial Sniper Platform, unit must submit Aerial Sniper Brief Sheet 14 days from event.
- An over-head-fire letter signed by the Battalion Commander (By-Direction NOT authorized) to the RCO MUST be on hand and followed in order to conduct the over-head-fire portion of R800.
- When utilizing TRP #1 to Fire 60mm & 81mm Mortars, HE Rockets, or APOBS, NLT 14 days from start date of training event, unit must contact MCB EOD IOT schedule a post training clearance inspection.
- Inspection MUST occur between 0800 -1600
- MCB EOD contact information is:
 - EOD Duty Team Leader Cell Phone (b)(2)
 - EOD Duty Team Leader Cell Phone
 - EOD Shop - (b)(2)
 - MCB_CamF
- Units must schedule separately a non-training day on the back end to conduct the required post training clearance inspection.
- The scheduling unit must include the email from MCB EOD in the communications tab of the request.
- Requests not meeting this requirement or stating that they will not be utilizing TRP #1 to Fire 60mm & 81mm Mortars, HE Rockets, or APOBS will be disapproved.
- Unit must utilize RFMSS to schedule range.

Contractor Support

- Contractor support is at NO COST to the unit.
- Contractor support is REQUIRED to be scheduled if the unit intends to use PITS, LaRue or ARTS.
- The PITS, LaRue and ARTS Target support times MUST be scheduled in RFMSS, utilizing the "USER FIELDS" tab.
- If unit fails to schedule contractor times, use of PITS, LaRue and ARTS will NOT be authorized.
- Once the range is requested and approved:
 - Request ARTS via MCB_CAMPEN_AUTONOMOUS_ROBOTIC_TARGETS@usmc.mil
 - Request PITS or LaRue targets via the <https://qtss.kalmaicorp.com/secured/request.php> (website cannot be accessed from a MCEN computer at this time and must be visited from a commercial device in order to submit requests until further notice).
- The request for PITS, LaRue or ARTS must be received a minimum of 48 hours prior to the scheduled use of the range.
- Contractor has 24 hours to ensure this request is supportable (personnel to set-up the range are available, targets are available, and batteries are charged) and they need 24 hours to arrange the site-survey with the unit.
- Any requests submitted with less than 48 hours are not supportable.
- For further information concerning contractor support, contact (b)(2)

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

| Closed To Any Use | Facility May Still Be Used With Restrictions | Facility Must Check Fire ALL Weapons |
|--|--|--|
| Facility Occupied, or in Training/Live Fire Status | | Effects to R800 |
| A-ACA ECHO | | CHECK FIRE (UNLESS ISO OR ALT SEP) |
| A-CALS 09 | | CLOSED |
| A-CALS 10 | | CHECK FIRE MP BLUE |
| A-ACA YANKEE | | CHECK FIRE (UNLESS ISO OR ALT SEP) |
| A-IP CASE | | CHECK FIRE (UNLESS ISO OR ALT SEP) |
| A-LZ BUZZARD | | CLOSED |
| A-LZ SWALLOW | | CLOSED |
| A-R220 (W) | | CHECK FIRE (EXCEPTION, EOD RENDER SAFE OPERATIONS UP TO 20LBS NEW IN TRP #1) |
| A-R220 TACP OP M | | CHECK FIRE (IF UNIT AT R-800 IS CONTROLLING AIR, THE UNIT MUST MOVE TO THE FORWARD LINE OF TROOPS BOUNDARY. IF UNIT IS NOT CONTROLLING AIR, UNIT MUST MOVE TO AA. MP RED AT R800 IS AUTHORIZED TO MARK FOR AIR PER RANGE REGS) |
| A-TF C MNVR | | CHECK FIRE (UNLESS ISO OR ALT SEP) |
| I-IMP WHISKEY | | CHECK FIRE |
| I-IMP YANKEE | | CHECK FIRE |
| I-IMP ZULU | | CHECK FIRE |
| R-600 | | CHECK FIRE TOW HEAT |
| R-800 TOW | | CLOSES (UNLESS SAME UNIT) |
| R-AFA 40 (WHISKEY DATA) | | CLOSES AERIAL SNIPER |
| R-AFA 41 (WHISKEY DATA) | | CLOSES AERIAL SNIPER |
| R-AFA 42 (WHISKEY DATA) | | CLOSES AERIAL SNIPER |
| R-AFA 43 | | CLOSES |
| R-AFA 44 | | CLOSES |
| R-AFA C | | CLOSES |
| R-AFA D | | CLOSES |
| R-LFAM 600 | | CHECK FIRE TOW HEAT |
| R-LFAM 710B | | CLOSES |
| R-MFA 05 | | CHECK FIRE .50 CALIBER |
| R-MFA 06 | | CHECK FIRE |
| R-MFA 07 | | CHECK FIRE TOW HEAT |
| R-MFA 09 | | CHECK FIRE TOW HEAT |
| R-HORNO RIDGE | | CHECK FIRE |
| TA-CYN JARDINE | | CHECK FIRE |
| TA-OP JACOB | | CHECK FIRE TOW HEAT |
| TA-OP M | | CHECK FIRE TOW HEAT |

OIC, RSO & PSO Requirements

1. OIC & RSO Requirements -
 - a. Aerial Sniper, 40mm HE, AT Missiles, LAV 25, HEAT Rockets & Live Fire & Movement/Maneuver
 - i. OIC Requirement - **GySgt or Above**
 - ii. RSO Requirement - **SSgt or Above**
 - b. Static Small Arms & TP Ammunition
 - i. OIC Requirement - **SSgt or Above**
 - ii. RSO Requirement - **Sgt or Above**
 - c. No Munitions
 - i. OIC Requirement - **None**
 - ii. RSO Requirement - **Cpl or Above**
 - iii. LASER (If Used) LSSO Requirement - **Sgt or Above**
2. PSO Requirements:
 - a. Weapons Qualified PSOs
 - i. **Daylight** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **FOUR** Marines in maneuver/movement element.
 - ii. **Night** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **TWO** Marines in maneuver/movement element.
 - iii. PSOs shall certify to the OIC that all weapons are in Condition 4 prior to exiting the range.

Special Instructions Continued on Next page

ENCLOSURE (63)



RANGE SPECIAL INSTRUCTIONS

Range Guards and Gates

1. **Range Guards and Gates:**
 Gate #1 – 61835 00264, Gate #2 – 61452 00656, Gate #3 – 60994 00730, Gate #4 – 60688 00935
 - a. The RSO must ensure R800 is clear of all personnel, must insure gates are locked and place Range Guards during the sweep.
 - b. Gate #1 to #4 can be locked with a Unit provided locks. Use the Inspectors Lock as a link and secure their lock to the Inspectors Lock. If using Unit does not have locks, Range Guards must be posted.
 - c. **Range Guards must be posted in pairs of two with two-way radio communication with the RSO**
 - d. No traffic or personnel must enter R800 without the OIC's or RSO's permission.
2. **Signs:**
 Sign #1 – 57633 01247, Sign #2 – 57594 01247
 - a. Live fire training with TOW HEAT from SBF#1 requires (2) "Do Not Enter, Live Fire in Progress" signs on the road leading from Tate Road to MFA 07/OP Jacob. (See Map)
 - b. The RSO must ensure MFA 07/OP Jacob is clear of all personnel prior to TOW HEAT live fire training.

Lateral Limits Markers

Unit must emplace lateral limit markers for any direct fire position used. Markers must consist of the following:

1. Left Lateral Limit – White Triangle Pointing to the Right 
2. Right Lateral Limit – Red Triangle Pointing to the Left 
3. Signs must be placed at the furthest distance viewable by all shooters and at the firing positions.
4. Lateral Limits can be a designated key terrain features as long as all personnel can recognize and understand the designated features day or night.
5. Only Lateral Limit Markers can be marked with illumination at night.
6. All markers must be laid in by compass from the firing position.

Targets

1. RSO must maintain communication with the OIC, and control the exposure of any targets.
2. All targets within the Movement Boxes must be knock-down stay-down type targets.
 - a. May only be exposed for **NO MORE** than 30 seconds.
3. All targets must be laid in by compass from the firing position.
4. Units cannot dig outside of the Movement Box; all holes dug must be filled in.
5. **OIC, RSO, and PSOs must ensure all targets are knocked down before allowing any personnel to maneuver past the targets.**

Engagement Distance PITS With Shield/No Sandbags

1. Engagements are limited to:
 - a. Service Pistol – 7 meters
 - b. 00 Buck Shotgun – 10 meters.
 - c. 12 Gauge Slug - 46 meters.
 - d. 5.56mm (w/penetrators) – 69 meters
 - e. 5.56mm (Soft Core or Solid copper Alloy) - 23 meters
 - f. 7.62mm – 140 meters
 - g. .50 and .338 caliber – 375 meters.

Engagement Distance PITS With Shield & Sandbags

1. Engagements are limited to:
 - a. Service Pistol – 7 meters
 - b. 00 Buck Shotgun – 10 meters.
 - c. 12 Gauge Slug - 25 meters.
 - d. 5.56mm (w/penetrators) – 25 meters
 - e. 5.56mm (Soft Core or Solid copper Alloy) - 10 meters
 - f. 7.62mm – 100 meters
 - g. .50 and .338 caliber – 100 meters

Engagement Distance LaRue and ARTS

1. Engagements are limited to:
 - a. Service Pistol – 7 meters
 - b. 00 Buck Shotgun – 10 meters.
 - c. 12 Gauge Slug - 46 meters.
 - d. 5.56mm (w/penetrators) – 69 meters
 - e. 5.56mm (Soft Core or Solid copper Alloy) - 23 meters
 - f. 7.62mm – 140 meters
 - g. .50 and .338 caliber – 375 meters.

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

Marking of Targets and Personnel

1. During live-fire training in low-light or darkness, chem-lites may be used to mark either targets or personnel, but not both on the same range.
2. Infrared strobe lights provide an optional method to mark and distinguish personnel from targets.
3. **Units must keep the same marking plan for all subsequent ranges.**
4. Personnel and target markings must be identified in the operations order scheme of maneuver, risk management matrix, and range standard operating procedures.
5. Specific personnel and target markings will be covered in the range safety brief that is given to all personnel, to include the safety personnel (assistant RSOs) participating in the exercise.
6. Consideration must also be given to the use of light-producing equipment such as flashlights with colored lens covers as those different colors cannot be distinguished when using NVDs.
7. When clothing and uniforms are used on targets, the OIC and RSO will ensure these articles do not resemble those worn by participating personnel. Target clothing must remain consistent until live-fire training is completed.
8. Before live-fire training in low-light or darkness, NVDs will be tested for resolution per light-level criteria delineated in appropriate technical or operators manuals.
9. A review of NVD focusing procedures should also be conducted in order that Marines are able to obtain the optimum NVD image.

EMP/CMP/BZO

1. When conducting EMP/CMP/BZO Training
 - a. All EMP/CMP/BZO Training must be conducted in the depicted Movement/Maneuver box.
 - b. All targets emplaced by the unit must be laid in by compass.
 - c. Steel Targets are not authorized on range for EMP/CMP/BZO.
 - d. All EMP/CMP Targets must be made of softwood uprights with cardboard backing.
 - e. Sandbags must be used on any metal bases. Bases must be made of soft metal.
 - f. Pallets and engineer stakes can be used.
 - g. Engineer stakes must be placed on the outside edges of the pallets.
 - h. No engagement on pallets closer than 7 yards.

Support By Fire Positions/Sniper Positions/Over-Head-Fire Positions

1. **When conducting 25mm, Sniper .50 cal. and below, Machine Guns .50cal and Below:**
 - a. Cross firing is prohibited.
 - b. RSO must supervise setting of all T&E's and Tripods and report to the OIC.
 - c. Guns must be laid in with a compass verified by the RSO.
 - d. Positive stops must be used to prevent firing out of the approved SDZ.
 - e. All tripods must be sandbagged.
 - a. All SBFs must have a PSO with direct communication to the OIC and RSO.
 - b. SBFs must cease fire prior to any personnel maneuvering past the MSLs.
 - c. The 15 ° or 100m Rule is in effect.
2. **When conducting Over-Head Fire Training with 7.62 machine guns:**
 - a. RSO must supervise setting of all T&E's and Tripods and report to the OIC.
 - b. Guns must be laid in with a compass verified by the RSO.
 - c. Positive stops for depression and traverse must be used. No Bipods, and no free gunning is allowed.
 - d. All tripods must be sandbagged.
 - e. All Over-Head-Fire Positions must have a PSO with direct communication to the OIC and RSO.
 - f. Over-Head-FPs Machine Guns must test fire prior to any troops maneuvering.
 - g. **Over-Head-Fire Ceases Firing Line must be identified to all personnel.**
 - h. Only 7.62 DODIC A151 ammunition is certified for overhead fire.
 - i. If Anyone Crosses the Over-Head-Fire CFL, Over-Head-FPs must cease firing and be verified they are in condition 4 status.
3. **During Armored Vehicles Live Fire, the following flag display system must be used:**
 - a. **Red** – Weapons are loaded, on target, weapon arm switch is on fire, and manual safety is off.
 - b. **Green** – All weapons are cleared and elevated, weapon arm switch is on safe and manual safety is off. No ammunition on vehicle.
 - c. **Yellow & Red** – Malfunction or misfire, weapon arm switch is on safe and manual safety is on or Ammunition on vehicle
 - d. **Yellow & Green** – Malfunction, weapons are clear, weapon arm switch is on safe and manual safety is on, no ammunition on vehicle.
 - e. **Red & Green** – Crew preparing to fire or crew is conducting non-firing exercise, ammunition is either stowed or loaded in ready boxes.
 - f. Regardless of displayed flags, the RSO must physically verify all weapons are clear prior to any movement of vehicles or reporting to Longrifle that Weapons are clear.

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

| SBF/Sniper Positions | | | | |
|--|--|--|---|--|
| SBF #1 | SBF #2 | SBF #3 | SBF #5 to SBF #4 | SBF #4 |
| 25mm, Snipers .50cal & Below, MGs .50 Cal & Below 60416 00936 to 60371 00934 LLL 175° mag RLL 204° mag TOW/ Javelin LLL 196° mag RLL 201° mag | 25mm, Snipers .50cal & Below, MGs .50 Cal & Below 60939 00639 to 60860 00722 LLL 191°mag RLL 224°mag | 25mm, Snipers .50cal & Below, MGs .50 Cal & Below 61322 00600 to 61297 00625 LLL 202°mag RLL 228°mag | 40mm shoulder fired and MK19 HE 60800 00000 to 60600 99900 LLL 177°mag RLL 187°mag | TOW/Javelin 60600 99900 LLL 199° mag RLL 207° mag |
| Over-Head-Fire Position #1 | | Over-Head-Fire Position #2 | | |
| MG 7.62 A151 Only When Firing Over Head of Troops 60930 00360 LLL 217°mag RLL 222°mag CFL | | MG 7.62 A151 Only When Firing Over Head of Troops 60750 00490 LLL 202°mag RLL 208°mag CFL | | |

Movement Boxes Mongoose & Snake

- Firing Data:**
Movement Box Mongoose Data: 7.62mm & 5.56mm
SFL 60903 00702 to 59847 01006
LLL 165°mag
RLL 192°mag
CFL 60328 99649 to 60104 99830
Movement Box Snake Data: 7.62mm & 5.56mm
SFL 61825 00256 to 60903 00700
LLL 198°mag
RLL 242°mag
CFL 60328 99649 to 60104 99830
- Impact Area TRP #1: (60mm & 81mm Mortars, HE Rockets, HE Grenades, APOBS, Claymore)**
60608 99789 to 60105 99970 to 59823 99395 to 59716 99522

Rockets

HE Rockets must only engage hard targets or targets placed by unit within Impact Area TRP#1

- | | |
|--|---|
| <ol style="list-style-type: none"> MAAWS (Carl Gustaf) <ol style="list-style-type: none"> Prone firing of MAAWS HE or TP ammunition is not authorized. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. All personnel within a 100 meters radius of the MAAWS must wear double hearing protection. All personnel within 101-500 meter radius of the MAAWS must wear single hearing protection. All personnel within a 20 meters radius of the MAAWS must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. AT-4 HE <ol style="list-style-type: none"> Prone or foxhole firing of AT-4 HE (M136) is not authorized. In training, an individual may fire one round from the sitting position or three rounds from the standing or kneeling positions in a 24-hour period. All personnel within a 20 meters radius of the AT4 must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. | <ol style="list-style-type: none"> SMAW HE <ol style="list-style-type: none"> During training with the SMAW, the gunner, assistant gunner or any instructors are authorized to fire/be exposed to only five rounds per day. All personnel within a 100 meters radius of the SMAW firing HE type rounds must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. All personnel within 390 meter radius of the SMAW must wear single hearing protection. LAW HE <ol style="list-style-type: none"> Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. All personnel within a 20 meters radius of the LAW must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. |
|--|---|

Special Instructions Continued on Next page

ENCLOSURE (43)

RANGE SPECIAL INSTRUCTIONS

Grenades

- | | |
|--|---|
| <p>1. Shoulder Fired Grenade Launcher:</p> <ul style="list-style-type: none"> a. M203/M32 40mm TP must only be used in the Movement Boxes. b. M203/M32 40mm TP may be utilized firing at targets no closer than 75m. c. 40mm TP rounds are unauthorized for use on PITS Targets. d. PITS targets must be no closer than 25 meters to any 40mm target and protected on all sides from fragmentation. e. M203/M32 40mm HEDP must only be fired from SBF #4 to SBF #5 Firing Lines at targets no closer than 165m. | <p>2. Hand Grenades:</p> <ul style="list-style-type: none"> a. Prior to the approval and use of chemical grenades, unit must submit an Overlay showing 500m and 1000m buffers. Any approval will be based on single canister use. b. Unit must set up a practice grenade area within the depicted graphics of R800. c. Only practice grenades must be used within the practice grenade area. d. All personnel must be proficient in the safety precautions for handling and throwing grenades before live grenade training begins. e. Successful completion of practice grenade training is mandatory prior to live grenade training. |
|--|---|
- 3. HE Hand Grenades:**
- a. **HE Hand Grenades are allowed anywhere within Impact Area of TRP #1.**
 - b. All personnel within the 150m SDZ must wear (PPE Level 1) flak jacket, helmet, hearing protection, and ballistic eye protection
 - c. eye protection
 - d. Hand grenades must be thrown from a trench or barrier equivalent to a screen of sandbags 2 feet thick and built to a minimum height of 5 feet high and 9 feet wide or wide enough to accommodate one thrower and one ARSO.
 - e. The range safety officer must directly supervise and control the throwing of fragmentation grenades.
 - f. Hand grenades must be carried in accordance with FM 23-30, individuals must not be transported by vehicle while carrying grenades attached to web equipment.
 - g. **HE grenades must be thrown one at a time and into the Impact Area of TRP #1 only.**
 - h. Firing conditions for fragmentation and offensive grenades safety clips on fragmentation and practice grenades must not be removed until immediately before the safety pin is removed. Once the safety pin has been pulled, the grenade must be thrown. No attempt must be made to reinsert the safety pin or tape the safety lever (spoon). The safety lever must not be released for any reason on HE grenades until the grenade exits the throwing hand at the command of the ARSO.
 - i. Mixing of practice grenades and HE grenades is unauthorized.
 - j. PITS targets must be no closer than 25 meters and protected on all sides from fragmentation.
 - k. Training will NOT be conducted when there is standing water, mud, or dense vegetation in the impact area of TRP#1.
 - l. Grenade ranges must cease training one hour prior to sunset. In the event a dud grenade is not cleared before reduced light conditions, the using unit must provide a guard force until the grenade can be cleared.
- 4. Dud Grenade:**
- a. A dud fragmentation grenade must be reported immediately to LONGRIFLE. A cease-fire must go into effect immediately. Accurately note the time of the dud, as Explosive Ordnance Disposal personnel must wait thirty minutes prior to clearing the dud.
 - b. If a dud grenade is experienced, all activities within Maneuver Box area must stop, personnel must remain within a safe area for a minimum of 5 minutes and then evacuate to the AA until EOD clears the dud.
 - c. EOD personnel must destroy all grenade duds in place before troops can enter the grenade impact area.
 - d. EOD personnel are unable to locate or destroy any dud grenades; troop maneuver in the Impact Area of TRP #1 is not authorized.

Handheld 60mm Mortars

1. Firing mortars over the heads of troops is not authorized.
2. PPE Level 1 must be worn.
3. May only be fired in the hand-held mode with a charge NO greater than charge 1.
4. Handheld mortars must only be fired into Impact Area TRP#1 and Impact Area TRP#2.

Special Instructions Continued on Next page

ENCLOSURE (23)

RANGE SPECIAL INSTRUCTIONS

APOBS AND Claymores

1. **The RSO must verify to the OIC.**
 - a. Unit must construct a wall utilizing sand bags 2' high x 4' wide along the firing line to protect the firing team from missile hazards caused by APOBS or claymores.
 - b. All APOBS & Claymores must be placed in the **Impact Area of TRP #1** (Only 1 APOBS or Claymore must be fired one at a time).
 - c. Only the OIC/RSO and the firing team are at the FP and behind the sandbag wall prior to firing the claymore or APOBS.
 - d. OIC/RSO must ensure claymore or APOBS are deployed correctly and facing into the **Impact Area of TRP #1** utilizing the data below.
 - e. All claymore or APOBS must be secured until the range OIC directs their issue.
 - f. Emplaced claymore or APOBS must not be disarmed except by order of the range OIC.
 - g. Firing devices must only be connected at the command of the range OIC.
 - h. After firing, the unit must inspect to ensure that the claymore or APOBS has detonated.
 - i. Misfires must be handled in accordance with TC 3-22.23 and FM 23-23.
 - j. Personnel must not be allowed within 16m to the rear of the claymore or APOBS.
 - k. CLAYMORE firing personnel may occupy an area between 16 and 100 meters to the rear of the claymore they must be located in a covered position, lying prone in a depression, or behind a physical barrier.
 - l. APOBS firing personnel must be in a prone position, at least 50 meters from the launch point, and 75 meters from the deployed grenades. All personnel inside of Noise Hazard Arc must wear hearing protection.
 - m. All personnel must wear approved protective helmets, IBA and single hearing protection.

Use of Shoot Through Houses

1. **Houses Must Not Be Engaged With Machine Guns, Rockets, Grenades, 40mm or Mortars.**
 - a. Rifles 7.62mm and below and Pistols only are the only authorized weapons for engagements of and within the shoot through houses.
 - b. The OIC and RSO must accompany personnel as they execute both the rehearsal and the live fire scenario.
2. **Target Placement :**
 - a. All targets are to be placed inside or around buildings IAW the lateral limits listed for the movement boxes.
 - b. Targets must not be placed on a seam.
 - c. **PITS or La Rue targets cannot be placed inside houses that are being cleared.**
3. **While conducting rehearsals and live fire with small arms, the RSO must ensure:**
 - d. **No one must engage a target that is closer than 1 meter from any muzzle.**
 - e. Phase Lines and MSLs must be verified and marked.
 - f. At no time must any personnel cross any Phase Line or MSL until the effective element has ceased firing.
4. **While utilizing flash bangs, the RSO must ensure:**
 - a. Flash Bangs must be carried in pouches.
 - b. Throwing flash bangs in or around any standing water or mud is unauthorized.
 - c. Throwing more than one flash bang at a time into the same room is unauthorized.
 - d. Human target participation is not authorized.
 - e. Once a pin is pulled on a flash bang, it must not be reinserted into the flash bang.
5. **GG20 Flash Bangs:**
 - a. The maximum number of GG20 Flash Bangs to be thrown by an individual thrower are (2) with single hearing protection and (4) with double hearing protection.
 - b. No one must be closer than 5 meters (16.5 feet) of detonation.
6. **GG36 Flash Bangs:**
 - a. RSO must reference SOUM 4-15 prior to conducting any training with GG36 Flash Bangs.
 - b. **Double hearing protection is required** within 9 meters of point of detonation.
 - c. **Single hearing protection is required** outside of 9 meters to 155 meters from point of detonation.
 - d. The individual daily exposure limits with the GG36 Flash Bangs are (50) within the 9 meters of detonation hazard area.
 - e. The individual daily exposure limits with the GG36 Flash Bangs are (150) within the 9 meters to 155 meters from point of detonation hazard area.
 - f. No one must be closer than 5 meters (16.5 feet) of detonation.

Use of Shoot Through Houses - Breaching

1. **At no time must a breach be placed in any manner or location in which it would damage any Shoot through House.**
2. **Mechanical Breaching**
 - a. All mechanical breaching must be conducted utilizing tools from issued breaching kits.
3. **Thermal/ Saws**
 - a. FDR Dependent.
4. **Ballistics Breaching**
 - a. Ammunition must only be issued per event.
 - b. All ballistic breaching must be directed 45° down into the room.
 - c. Only commercial breaching rounds must be used.
 - d. **Wooden uprights and targets are to be supplied by the using unit.**
 - e. **When utilizing AA54**
 - i. Double hearing protection (earplugs & muffs) and eye protection (goggles) must be worn by all personnel firing AA54 and by all personnel within 8.5 meters of the firing in close proximity to a reflective surface.

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

Use of Shoot Through Houses - Breaching

- ii. All personnel within 8.5 meters to 30 meters of the firing point must wear single hearing protection (earplugs or muffs).
- iii. If using actual doors, only solid wood core wooden doors with a minimum of 1 3/4 inches thick must be used.
- iv. Units must provide a minimum of 2 inches of protection to the lock area.
5. **Explosive Breaching** – A breaching Brief must be conducted with the RCO NLT 14 days prior to event.
 - a. All breaches must be set on doors and frames provided by the by the using unit that are mounted to reduce any hazards to the building.
 - b. **Approved framing must consist of:**
 - i. 1/2 inch plywood covering entire threshold, sides and overhead of doorway.
 - ii. 2x4 placed to form a frame on plywood covering.
 - iii. Only use plywood 1/4 inches to construct "doorway".
 - iv. Unit must provide their own target material.
 - c. **During breaching operations:**
 - i. Field expedient urban breaches must be (duel primed) and at no more than .18 lbs. NEW.
 - ii. Max Ord is 207 feet for vertical or fragmentation hazard.
 - iii. A maximum K – Factor of 18 (3.5 PSI) must be utilized and all personnel.
 - iv. Double hearing protection required for all PSIs at or above 1.68.
 - v. All personnel must be set in position prior to initiating the breach.
 - vi. A safety Brief must be conducted prior to each live fire event to all participants.
 - vii. Each breach must be inspected and approved by the RSO.
 - viii. The RSO & OIC must personally observe each live fire event.
 - ix. Time fuse must be cut and tested by the RSO. (30 Sec. Min. Time)
 - x. Any Electrical System must be tested by RSO.
 - xi. Only breacher rounds must be used for shotguns.
 - xii. Shielding required for all breaches (i.e. Blast Shield, Bomb Blanket, placing breaching team around corner, etc.)
 - xiii. CPU required when using any lead lined charges.
6. **There must be additional safety personnel assigned as follows:**
 - a. A PSO must travel with each breaching team.
 - b. Each PSO must have positive communication with the RSO.
 - c. The RSO must check each shot, looking for unconsumed explosives prior to departing the range.
 - d. All unconsumed explosives must be policed-up and consolidated for one last clean-up shot prior to the range going cold (Not to exceed .25 lbs. NEW).
 - e. All unused blasting materials must be retrieved upon completion of training, and must be returned to the Las Pulgas ASP.
 - f. All target materials which were used (blown) during training must be policed-up and taken back with the unit.
 - g. Live Fire signs must be posted at all times when the SACON House is hot as depicted in the graphics.
 - i. **The OIC is responsible for all charges, and ensuring all misfire procedures is in compliance with current directives.**

Mortar Firing Data

1. **When conducting Mortar Training:**
 - a. There is no troop penetration beyond the firing line into the impact area. Units are prohibited from crossing the firing line into the impact area to set up targets or aiming stakes.
 - b. All MSLs must be marked and identified to all personnel before live fire training occurs.
 - c. No POV's must enter R800 even if they have a range pass.
 - d. OIC must report to LONGRIFLE the Max Ord and charge to be fired.
 - e. Max Ord must remain within the scheduled Airspace and must be at least 1000 Feet below any FW Aircraft transitioning over the Impact Area.
 - f. RSO must ensure that the FDC has plotted the target box and any RFA's on both the primary and secondary plotting boards.
 - g. RSO is required to check the FDC/Gun lines Plotting Boards and Safety-T's.
 - h. Safety-T must be on hand with each gun.
 - i. **Mortar Position must engage targets utilizing the data contained in this brief.**
 - j. All mortars must fire registration fires that must be verified by the RSO prior to the exercise.
 - k. Base Plates must be marked at 11 o'clock and aiming stakes must be left in place after registration.
2. **During all powder burning activities:**
 - a. Increment Burning must be IAW CAMPENO 3500.1A.
 - b. Units must contact LONGRIFLE for permission prior to burning increments.
 - c. Powder must be burned in areas cleared to mineral earth, and located no closer than 200 feet from vegetation.
 - d. Unit must not exceed 100 increments at any one time while burning.
 - e. Units must have fire extinguishers, water, and shovels at the burn site.
 - f. Units must remain at the burn site for 30 minutes after the last burn, ensuring no fires have been started in the surrounding vegetation.
 - g. Units must contact LONGRIFLE after last increment has burned and 30 minutes has passed.

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

| MP Red | MP Blue |
|--|---|
| TRP #1 60390 00940 LLL: 3025 mils grid RLL: 3635 mils grid Min Range- 1025 meters Max Range- 1650 meters Max Charge- 1 Elev- 2,288' AMSL Cease-Firing Before Crossing Any MSL Described Below. RED 60mm and 81mm MSL 1 from MP RED Dir: 131°m to grid: 60959 00182 then Dir: 155°m. | TRP #1 58928 01376 LLL: 2460 mils grid RLL: 2985 mils grid Min Range- 1820 meters Max Range- 2230 meters Max Charge- 2 Elev- 1,780' AMSL Cease-Firing Before Crossing Any MSL Described Below. Blue 60mm and 81mm MSL 1 from MP BLUE from 59812 01017 Dir: 125°m. |
| TRP #2 60390 00940 LLL: 3670 mils grid RLL: 3860 mils grid Min Range- 1550 meters Max Range- 1825 meters 60mm Max Charge 2 & 81mm Max Charge 1 Elev- 2,288' AMSL Cease-Firing Before Crossing Any MSL Described Below. RED 60mm and 81mm MSL 2 from MP RED Dir: 167°m to grid: 60395 99992 then Dir: 194°m. | TRP #2 58928 01376 LLL: 2765 mils grid RLL: 3000 mils grid Min Range- 1785 meters Max Range- 2700 meters Max Charge- 2 Elev- 1,780' AMSL Cease-Firing Before Crossing Any MSL Described Below. Blue 60mm and 81mm MSL 2 from MP BLUE 60083 99919 Dir: 144°m. |

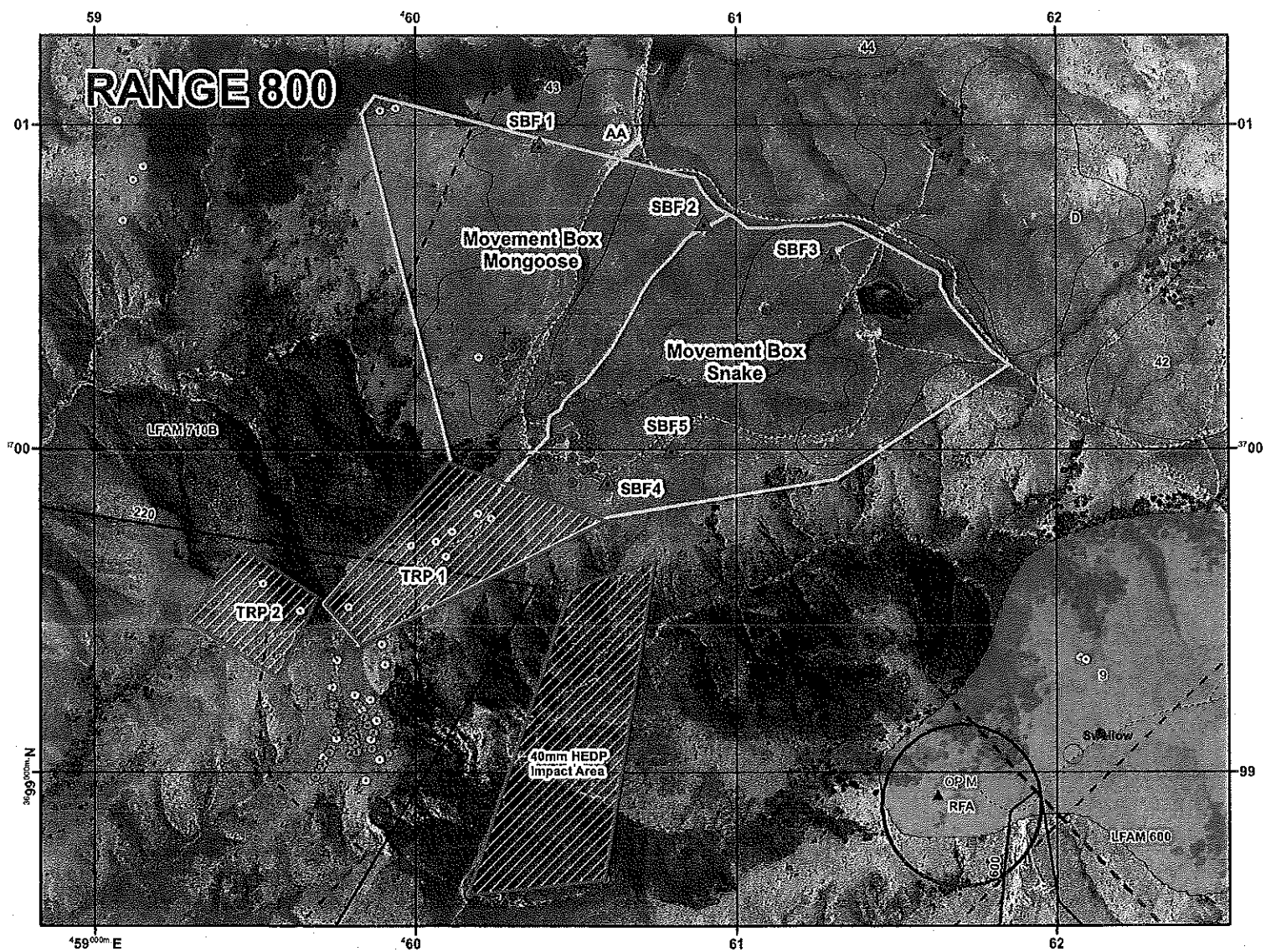
Aerial Sniper Platform (7.62 mm Rifles and Below Only)

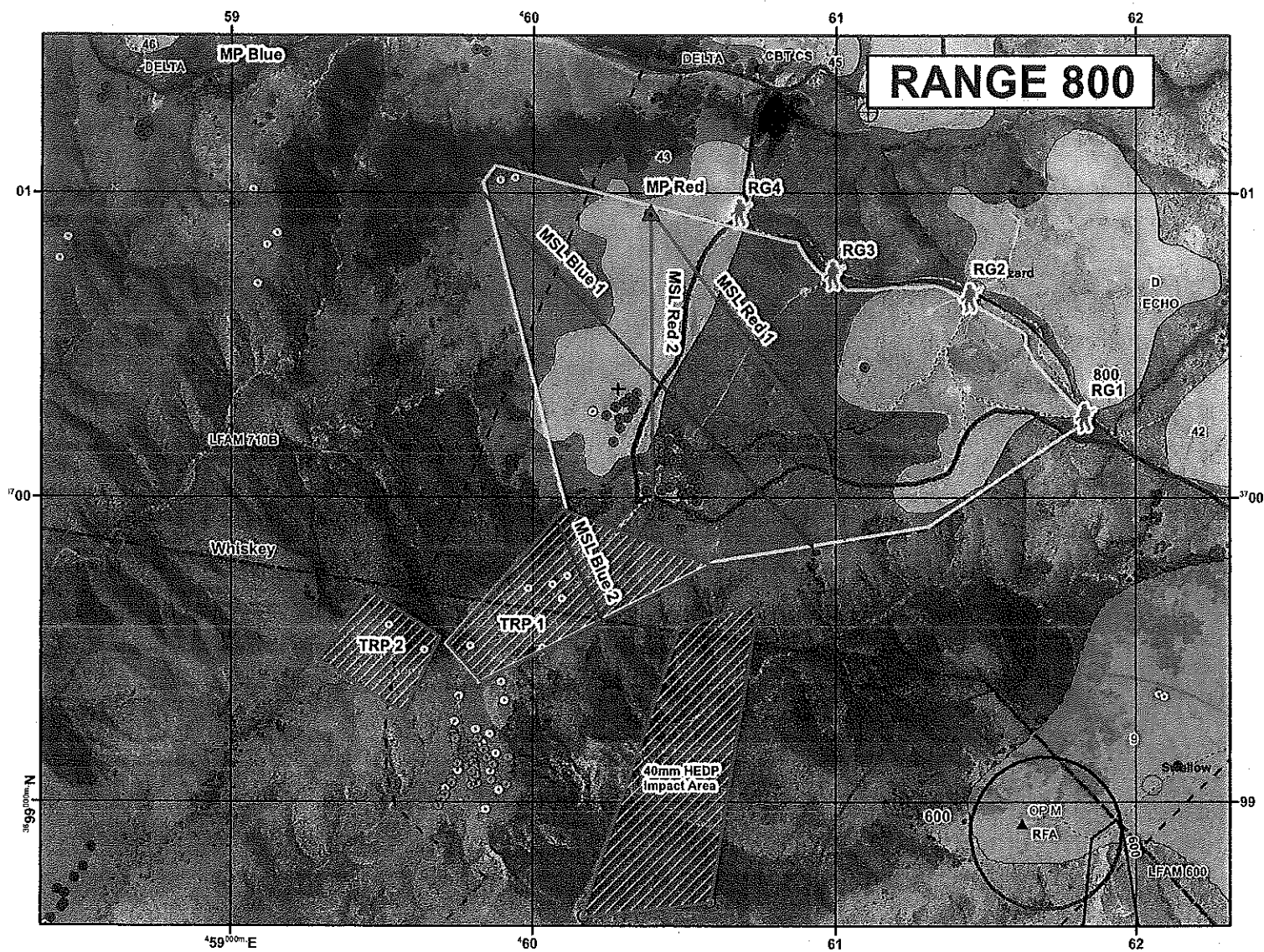
1. **Aerial Sniper Data:**
 - a. At no time must any Sniper fire begin outside of the Firing Area. OIC must ensure that all Sniper Fire impacts within the depicted Target Box.
 - b. OIC must ensure that all flight of aircraft remain in the depicted Run-In Box and Target Box.
 - c. RSO must maintain communication with the OIC, and control the exposure of any targets.
 - d. OIC and RSO must brief all shooters to ensure no damage to any target mechanism is caused by any shot.
 - e. All personnel must conduct a non-live fire rehearsal prior to conducting live fire scenarios.
 - f. PSOs must be assigned to each A/C or team.
 - g. PSOs must certify to the OIC that all weapons are in Condition 4 prior to exiting the range.
2. **Aircraft:**

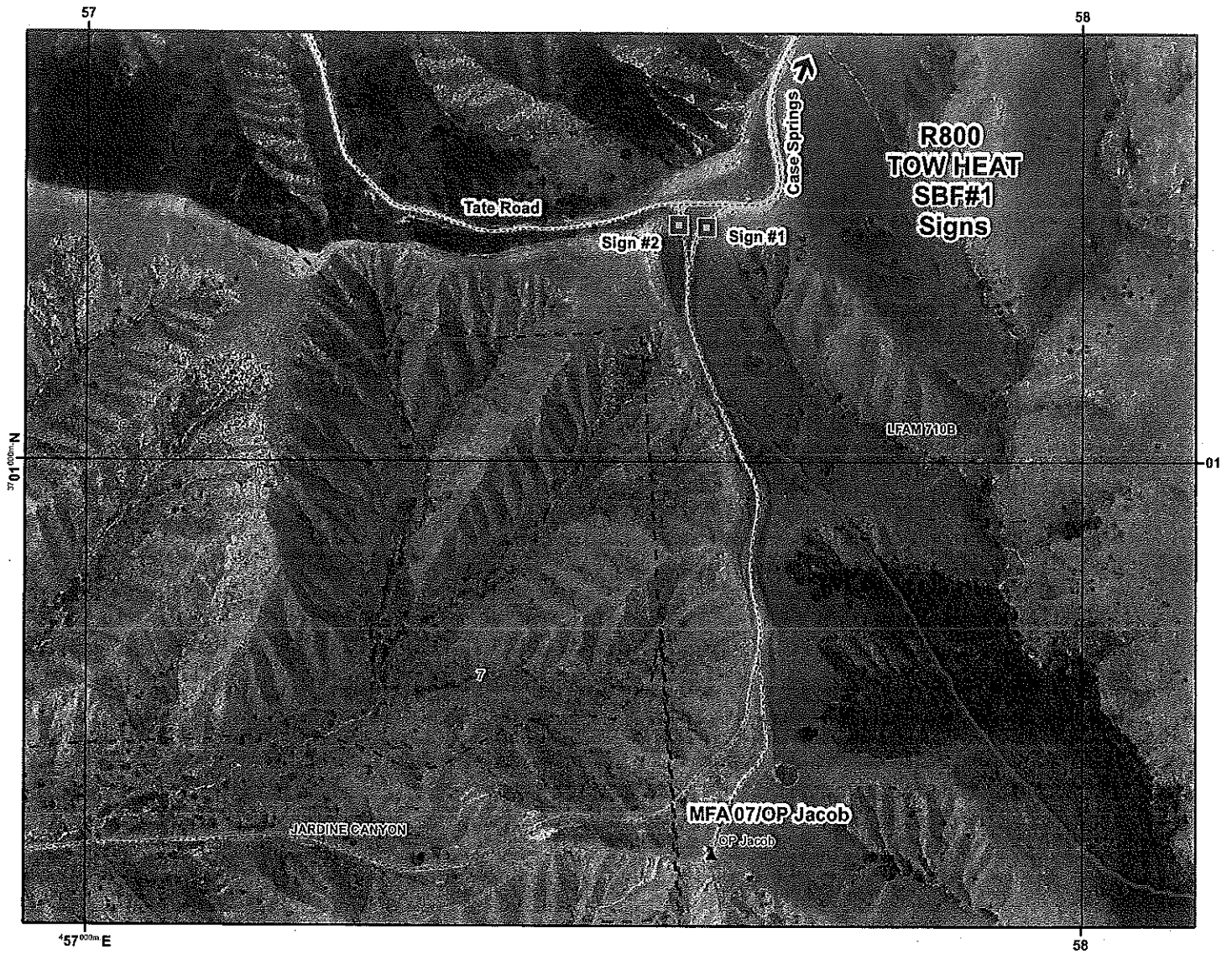
Airspeed: 0-10 KTAS
Altitude: 50 to 200 ft. AGL
Release Angle: Min -14 to Max -1
Firing Area: Boundaries
#1 - 60200 00284 #5 - 60554 99947
#2 - 60346 00345 #6 - 60494 99898
#3 - 60485 00217 #7 - 60385 99947
#4 - 60549 00075 #8 - 60269 00185
Release Range: Max 600
Final Attack Heading: 208°mag-242°mag
Range Lateral Limits
LLL: 198° mag
RLL: 242° mag

Special Instructions Continued on Next page

ENCLOSURE (63)









UNITED STATES MARINE CORPS

"UNIT"

BOX 555101

CAMP PENDLETON, CA 92055-5101

IN REPLY REFER TO
3550
CO
XX-XXX-XX

From: Commanding Officer
To: Commanding Officer, "Company or Battalion"

Subj: APPROVAL OF OVERHEAD FIRE UNPROTECTED TROOPS WITH SMALL ARMS FOR "UNIT"
FOR FISCAL YEAR 20XX

Ref: (a) CAMPPENO 3500.1 CH 1
(b) Special Instructions R-208C
(c) DA-PAM 385-63, Para 17-4

1. In accordance with references (a) and (b) the Commanding Officer of School of Infantry (West), approves overhead fire on Range 208C for Infantry Training Battalion (ITB) during Fiscal Year 2018.

2. This approval meets the safety requirements listed in references (b) and (c).

3. ITB will abide by references (b) and (c) which contains all firing precautions in order to conduct overhead fire safely (page 209-210, DA PAM 385-63 paragraph 17-4). Precautions include:

a. Machineguns (7.62mm) will be mounted on ground tripods and will fire from a stationary position.

b. Only ammunition certified for overhead fire will be used (DODIC A151).

c. Bullets will not be permitted to impact between the firing position and the rear of the line of unprotected personnel. All impacts will be a minimum of 50 meters beyond the forward line of unprotected personnel.

d. Positive stops will be used to prevent crossfire and depression of the muzzle during firing.

e. A minimum clearance or safety limit will be established using the guidelines for overhead fire in Marine Corps Warfighting Publication 3-15.1.

f. The rate of fire will not exceed 70 rounds per minute.

g. Weapons will be test fired before delivery of overhead fire to verify effectiveness of the positive traverse and depression stops.

h. A minimum clearance of 16 meters over the heads of personnel and 2.5 meters over the highest obstruction within the the field of fire will be maintained, surpassing requirements in reference (c). Minimum clearance is the distance between the lowest shot in the dispersion pattern (as determined by the test firing) and the bodies of individuals in erect positions on the highest point of ground over which personnel must travel.

i. Registration will be conducted prior to the execution of the

ENCLOSURE (63)

Subj: APPROVAL OF OVERHEAD FIRE UNPROTECTED TROOPS WITH SMALL ARMS FOR
UNIT FOR FISCAL YEAR 20XX.

range and supervised by the Range Safety Officer. Targets will be selected in the central portion of the target of the target area. After registration, corrections will be applied to deflection and quadrant elevations limits.

j. The maneuver element will not go past the limit of advance.

4. During firing, there will be a 1:1 position safety officer to shooter ratio.

5. This approval will be reviewed periodically during Fiscal Year 2018 and if warranted, renewed no later than 01 October, 2019.

6. The point of contact for this matter is "BILLETTE", "WHO", at (760)725-7791 or EMAIL.

"Commanding Officer's Name"

RANGE SPECIAL INSTRUCTIONS

Date Revised – 13 November, 2019

| FACE TO FACE WITH RANGE SAFETY IS REQUIRED PRIOR TO GOING INTO A HOT STATUS | | | | |
|---|---|---|--|--|
| Shots Greater Than 5 lbs. NEW Shall NOT Be Fired Without Heavy Equipment On Hand | | | | |
| Range: R-LFAM 600 | Location: 62916 99407 | Allowable Weapons 25mm – (TP Only) MG's – .50cal and below (No A606) Rifles – 7.62mm and below Pistols – .45cal. and below 40mm – (All) Infantry Rockets – (All) Mortars – (All) Grenades – (All) Demo – 15.77lbs. NEW, Bangalore, Claymores & APOBS | Vehicles: 1. Road & River Dependent. 2. POVs are NOT Authorized ON THIS Range. | |
| Elevation: 2,622 AMSL | Impact Area: Zulu/Whiskey | | | |
| Troop Penetration: Not beyond boundaries of the Range | | | | |
| Type: Offensive Combat Range (platoon) Mounted or Dismounted | Engagement Distance: 3 meters 1,200 meters | | | |
| THIS IS NOT A CONTRACTOR SUPPORTED RANGE | | | | |
| Range Facilities: Observation Bunker, Port-a-johns, Ammo Shelter, Ammo Tables 11 SBFs;3 MPs; EOD-T Targets | | | | |



Scheduling

1. All scheduling requests for R-LFAM 600 must be submitted via their battalion.
2. Unit must utilize RFMSS to schedule range.

| Closed To Any Use | Facility May Still Be Used With Restrictions | Facility Must Check Fire ALL Weapons |
|-------------------|--|--------------------------------------|
|-------------------|--|--------------------------------------|

| Facility Occupied, or in Training/Live Fire Status | Effects to R-LFAM 600 |
|--|--|
| A-ACA ECHO | Check Fire (UNLESS ALT SEP) |
| A-CALS 08 | Check Fire |
| A-LZ BLUEBIRD | Check Fire |
| A-LZ GNATCATCHER | Check Fire |
| A-LZ SWALLOW | Check Fire |
| A-R220 (W) | Unit IS REQUIRED to move to Bunker Area during GRIFFIN L/F @R220 (W) |
| A-R220 TACP OP M | Check Fire |
| A-R440 (Z) | Check Fire |
| A-R440 URBAN TACP | Check Fire |
| A-TF C MNVR | Check Fire |
| A-TF CASE | Check Fire |
| I-IMP WHISKEY | Check Fire |
| I-IMP Zulu | Check Fire |
| R-409A | Closes (R409A 7.62mm & 25mm OK) |
| R-409A GUNNERY | Closes (7.62mm & 25mm OK) |
| R-600 | Closes (Unless Same Unit) |
| R-800 (TOW HEAT SBF#1) | Closes |
| R-AFA 40 | Closes SBF # 11 |
| R-AFA 41 | Closes |
| R-AFA 42 | Closes |
| R-HORNO RIDGE | Check Fire |
| R-LFAM 710B | Closes |
| R-MFA 09 | Closes |
| R-MFA 09A | Closes |
| TA-ECHO ACA | Check Fire |
| TA-OP M | Check Fire |
| TA-OP NOAH | Check Fire |

Special Instructions Continued on Next page



ENCLOSURE (C3)

RANGE SPECIAL INSTRUCTIONS

OIC, RSO & PSO Requirements

1. **40mm HE, LAV 25 & HEAT Rockets**
 - a. OIC Requirement – GySgt, GS-06 or Above
 - b. RSO Requirement – SSgt, GS-05 or Above
2. **Small Arms .50 Caliber & below/40mm TP/Rockets TP**
 - a. OIC Requirement – SSgt, GS-05, or Above
 - b. RSO Requirement – Sgt, GS-05, or Above
3. **No Munitions**
 - a. OIC Requirement – None
 - b. RSO Requirement – Cpl, GS-4 or Above
4. **LASER (If Used) LRSO Requirement – Sgt, GS-4 or Above**
5. **Weapons Qualified PSO Requirements**
 - a. **Daylight** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **FOUR** Marines in maneuver/movement element.
 - b. **Night** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **TWO** Marines in maneuver/movement element.
 - c. PSOs shall certify to the OIC that all weapons are in Condition 4 prior to exiting the range.

LFAM 600 Lateral Limits Markers

1. **Unit must emplace lateral limit markers for any direct fire position used. Markers must consist of the following:**
 - a. Left Lateral Limit – White Triangle Pointing to the Right 
 - b. Right Lateral Limit – Red Triangle Pointing to the Left 
 - c. Signs must be placed at the furthest distance viewable by all shooters and at the firing positions.
 - d. Lateral Limits can be a designated key terrain features as long as all personnel can recognize and understand the designated features day or night.
 - e. Markers must be laid in by compass from the firing positions.

LFAM 600 Targets

1. **RSO must maintain communication with the OIC, and control the exposure of any targets.**
2. If utilizing **PITS Targets** they must only be exposed for no more than 30 seconds.
3. All targets within the **Maneuver Box** and **Movement Box** must be **knock-down stay-down type targets**.
4. All targets must be laid in by compass from the firing position.
5. **OIC, RSO, and PSOs must ensure all targets are knocked down before allowing any personnel to maneuver past the targets.**
6. Units cannot dig past the **CFL/LOA**. All holes dug must be filled in upon completion of training.

Marking of Targets and Personnel

1. During live-fire training in low-light or darkness, chem-lites may be used to mark either targets or personnel, but not both on the same range.
2. Infrared strobe lights provide an optional method to mark and distinguish personnel from targets.
3. **Units must keep the same marking plan for all subsequent ranges.**
4. Personnel and target markings must be identified in the operations order scheme of maneuver, risk management matrix, and range standard operating procedures.
5. Specific personnel and target markings will be covered in the range safety brief that is given to all personnel, to include the safety personnel (assistant RSOs) participating in the exercise.
6. Consideration must also be given to the use of light-producing equipment such as flashlights with colored lens covers as those different colors cannot be distinguished when using NVDs.
7. When clothing and uniforms are used on targets, the OIC and RSO will ensure these articles do not resemble those worn by participating personnel. Target clothing must remain consistent until live-fire training is completed.
8. Before live-fire training in low-light or darkness, NVDs will be tested for resolution per light-level criteria delineated in appropriate technical or operators manuals.
9. A review of NVD focusing procedures should also be conducted in order that Marines are able to obtain the optimum NVD image.

Range Guards, Signs and Gates

1. **Range Guards, Signs and Gates shall be posted at:**
 - Sign #1: 62490 99841
 - Sign #2: 64150 98512
 - Gate#1: 62926 99434
 - Gate#2: 63085 99271
 - RGs #1: 63431 99067
 - RGs #2: 64005 98541
2. The RSO shall ensure LFAM 600 is clear of all personnel, shall ensure gates are locked and place Range Guards during the sweep.
3. Gate #1 and #2 can be locked with a Unit provided locks. Use the Inspectors Lock as a link and secure their lock to the Inspectors Lock. If using Unit does not have locks, Range Guards shall be posted.
4. **Range Guards shall be posted in pairs of two with two-way radio communication with the RSO**

Special Instructions Continued on Next page

ENCLOSURE (CS)

RANGE SPECIAL INSTRUCTIONS

Range Guards, Signs and Gates

5. No traffic or personnel shall enter R600 without the OIC's or RSO's permission.

5.56mm and Below EMP/CMP Box

1. **When conducting EMP/CMP Training:**
 - a. All EMP/CMP Training shall be conducted in the depicted Movement/Maneuver box.
 - b. All targets emplaced by the unit shall be laid in by compass.
 - c. Steel Targets are not authorized on range.
 - d. All EMP/CMP Targets shall be made of softwood uprights with cardboard backing.
 - e. Sandbags shall be used on any metal bases. Bases shall be made of soft metal.
 - f. Pallets and engineer stakes can be used.
 - g. Engineer stakes must be placed on the outside edges of the pallets.
 - h. No engagement on pallets closer than 7 yards.
2. **Firing Data:**
Lateral Limits:
 LLL 195°mag
 RLL 215°mag

| Movement/Maneuver Box | | |
|-----------------------------|--------------------------------|-----------------|
| Allowable Weapons/Munitions | Firing Data | Boundary Points |
| 1. 5.56mm & Below | SFL 64175 98456 to 62624 99435 | 1. 61654 98531 |
| 2. 40mm TP | LLL 195°mag | 2. 61956 98152 |
| 3. Rockets | RLL 215°mag | 3. 62258 98177 |
| 4. Hand Grenades | LOA As depicted on map | 4. 62288 98463 |
| 5. APOBS | | 5. 62676 98271 |
| 6. Handheld Mortars | | 6. 62858 98343 |
| 7. Demo NEW 15.77 lbs. | | 7. 63147 97990 |
| | | 8. 64027 98152 |

Infantry Rockets

1. Rockets shall fire 9mm spotting/practice rounds only within the left and rights of Maneuver Box or Movement Box.
2. HE Rockets shall be fired from inside the movement box at targets beyond the limit of advance or within TRP #1.
3. Before firing live rockets the PSO shall ensure the back blast area is clear of all personnel.
4. No personnel shall be forward of the rocket Firing Position.
5. Any misfires, the unit shall attempt to replace safety devises and notify LONGRIFLE for EOD support. **EOD shall determine if the rocket can be transported back to ASP.**

Firing Limitations

| MAAWS (Carl Gustaf) | SMAW HE |
|---|---|
| <ol style="list-style-type: none"> 1. Prone firing of MAAWS HE or TP ammunition is not authorized. 2. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. 3. All personnel within a 100 meters radius of the MAAWS must wear double hearing protection. 4. All personnel within 101-500 meter radius of the MAAWS must wear single hearing protection. 5. All personnel within a 20 meters radius of the MAAWS must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. | <ol style="list-style-type: none"> 1. During training with the SMAW, the gunner, assistant gunner or any instructors are authorized to fire/be exposed to only five rounds per day. 2. All personnel within a 100 meters radius of the SMAW firing HE type rounds must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. 3. All personnel within 390 meter radius of the SMAW must wear single hearing protection. |
| AT-4 HEAT | LAW HEAT and 21mm Sub-Cal |
| <ol style="list-style-type: none"> 1. Prone or foxhole firing of AT-4 HE (M136) is not authorized. 2. In training, an individual may fire one round from the sitting position or three rounds from the standing or kneeling positions in a 24-hour period. 3. All personnel within a 20 meters radius of the AT-4 must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. | <ol style="list-style-type: none"> 1. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. 2. All personnel within a 20 meters radius of the LAW must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. |

Special Instructions Continued on Next page

ENCLOSURE (6)

RANGE SPECIAL INSTRUCTIONS

Shoulder Fired Grenade Launcher (SFGL)

1. All personnel **shall wear** Body Armor, Helmet, and hearing/eye protection which is PPE Level 1.
2. 40mm TP may be utilized firing at targets no closer than 75m.
3. No TP rounds shall be fired at PITS Targets.
4. **40mm HEDP shall only be fired from either SBF #10 or SBF #11 at targets no closer than 165m.**
5. No HEDP rounds shall be fired at PITS Targets.

Grenades

1. Chemical Grenades are not authorized on this range.
2. All Grenades shall land in well cleared out area within the Movement box.
3. Practice grenades are **NOT** permitted during live fire.
4. Training with grenades shall **NOT** be conducted when there is standing water, mud, or dense vegetation in the impact area.
5. Grenade training shall **cease** one hour prior to sunset.
6. In the event a dud grenade is not cleared before reduced light conditions, the using unit shall provide a guard force until the grenade can be cleared.

Practice Grenades

1. Unit shall set up a practice grenade area within the depicted graphics of LFAM 600.
2. Only practice grenades shall be used within the practice grenade area.
3. All personnel must be proficient in the safety precautions for handling and throwing grenades before live grenade training begins.
4. Successful completion of practice grenade training is mandatory prior to live grenade training.

Dud Grenade

1. A dud fragmentation grenade shall be reported immediately to LONGRIFLE. A cease-fire shall go into effect immediately. Accurately note the time of the dud, as Explosive Ordnance Disposal personnel must wait thirty minutes prior to clearing the dud.
2. If a dud grenade is experienced, all activities within Maneuver Box area shall stop, personnel shall remain within a safe area for a minimum of 5 minutes and then evacuate to the AA until EOD clears the dud.
3. EOD personnel shall destroy all grenade duds in place before troops can enter the grenade impact area.
4. If EOD personnel are unable to locate or destroy any dud grenades; troop maneuver in the impact area is not authorized.

Live (HE) Grenades

1. All personnel within the 150m SDZ shall wear (PPE Level 1) flak jacket, helmet, hearing protection, and ballistic eye protection
3. **Hand grenades shall be thrown from a trench or barrier equivalent to a screen of sandbags 0.5 meters thick, 1.5 meters high and wide enough to accommodate one thrower and one ARSO.**
4. The range safety officer shall directly supervise and control the throwing of fragmentation grenades.
5. Hand grenades shall be carried in accordance with FM 23-30, No individuals shall be transported by vehicle while carrying grenades attached to web equipment.
6. HE grenades shall be thrown one at a time and land in a well cleared out area within the Movement box only.
7. Firing conditions for fragmentation and offensive grenades safety clips on fragmentation and practice grenades will not be removed until immediately before the safety pin is removed.
8. Once the safety pin has been pulled, the grenade will be thrown. No attempt will be made to reinsert the safety pin or tape the safety lever (spoon).
9. The safety lever will not be released for any reason on HE grenades until the grenade exits the throwing hand at the command of the ARSO.

Bangalore Torpedoes

1. Commercial
 - a. Bangalore torpedoes will only be fired in a horizontal position on the ground.
 - b. Only one tube assembly shall be fired at a time – NEW 15.77lbs.
 - c. Personnel shall be in a missile-proof shelter 100m from the charge, or 200m away in defilade. For unprotected personnel in the open, the minimum safe distance (MSD) is 1,000m at right angles to axis of the Bangalore torpedo, 200m for personnel in the line of axis.
2. Field-Expedient
 - a. Net explosive weight shall not exceed 9 lbs.
 - b. Only a single engineer stake shall be used to form a Bangalore.
 - c. OIC & RSO shall ensure that charge is placed so that engineer stake is against the ground (**NOT TOWARDS THE SKY**).
3. Personnel shall be in a missile-proof shelter 100m from the charge, or 200m away in defilade.
4. For unprotected personnel in the open, the minimum safe distance (MSD) is 1,000m at right angles to axis of the Bangalore torpedo, 200m for personnel in the line of axis

Special Instructions Continued on Next page

ENCLOSURE (03)

RANGE SPECIAL INSTRUCTIONS

APOBS and Claymores:

1. Unit shall construct a wall utilizing sand bags 2' high x 4' wide along the firing line to protect the firing team from missile hazards caused by APOBS or claymores.
2. That all APOBS or claymores are placed in the firing area. (Only one APOBS or claymore at a time).
3. Only the OIC/RSO and the firing team are at the FP and behind the sandbag wall prior to firing the claymore or APOBS.
4. OIC/RSO shall ensure claymore or APOBS are installed correctly and facing into the impact area.
5. All claymore or APOBS shall be secured until the range OIC directs their issue.
6. Emplaced claymore or APOBS shall not be disarmed except by order of the range OIC.
7. Firing devices shall only be connected at the command of the range OIC.
8. After firing, the unit shall inspect to ensure that the claymore or APOBS has detonated.
9. Misfires shall be handled in accordance with TC 3-22.23 and FM 23-23.
10. Personnel shall not be allowed within 16m to the rear of the claymore or APOBS.
11. CLAYMORE firing personnel may occupy an area between 16 and 100 meters to the rear of the claymore they shall be located in a covered position, lying prone in a depression, or behind a physical barrier.
12. Field-Expedient Claymore must not exceed 2 lbs. NEW.
13. APOBS firing personnel shall be in a prone position, at least 50 meters from the launch point, and 75 meters from the deployed grenades. All personnel inside of Noise Hazard Arc shall wear hearing protection.

Additional PPE Requirements

| NEW | Double Hearing Protection, Eye Protection & Shielding | Single Hearing Protection, Eye Protection & Shielding | Eye Protection & Shielding | Shielding Against Hazard |
|--------|--|--|---|--------------------------|
| | Safe Distance for Over Pressure (3.5 PSI) K-Factor = 18 | Safe Distance for Over Pressure (1.2 PSI) K-Factor = 40 | Safe Distance for Over Pressure (0 PSI) K-Factor = 300 | Missile Hazard |
| 0.18 | 10.2 | 22.6 | 169.4 | 185.2 |
| 0.22 | 10.9 | 24.1 | 181.1 | 198.0 |
| 0.23 | 11.0 | 24.5 | 183.8 | 201.0 |
| 9.000 | 37.4 | 83.2 | 624.0 | 682.3 |
| 15.000 | 44.4 | 98.6 | 739.9 | 808.9 |

NEW in Pounds Equivalent to TNT/All Distances Are in Feet

60mm Hand Held Mortar

1. Unit shall conduct all hand held firing in the footprint of the depicted Movement Box.
2. Overhead Fire is NOT authorized.
3. The target engagement distance will not be less than the distance for Area B, unless fired from protected positions.
4. Fire must not impact any closer to participating personnel than the fragmentation radius of Area A.
5. Units must establish clear and defined MSLs that are easily identifiable by all participants and that are based on Area A.
6. MSLs will be calculated from the Mean Point of Impact (MPI) to the closest maneuver element.
Area A - 250
Area B - 300
For DODIC BA26
Area A - 380
Area B - 405
7. Cease-Firing **Before Crossing Any MSLs**
8. OIC shall report to LONGRIFLE the Max Ord and charge to be fired.
9. RSO shall ensure that the FDC has plotted the target box and any RFA's on both the primary and secondary plotting boards.
10. RSO is required to check the FDC/Gun line Safety-T's. Safety-T shall be on hand with each gun.
11. **Mortar Position shall engage targets within TRP #1 & TRP #2.**
12. All mortars shall fire registration fires that shall be verified by the RSO prior to the exercise.
13. Base Plates shall be marked at 11 O'clock and aiming stakes shall be left in place after registration.
14. RSO and PSOs will ensure all personnel are abeam or behind the mortar position.
15. **Firing Data:**
 - a. **Charge** - Charge 1 maximum
 - b. **Elev:** 2545 feet AMSL

Special Instructions Continued on Next page

ENCLOSURE (43)

RANGE SPECIAL INSTRUCTIONS

SBFs

1. **When conducting 25mm/ .50 cal. and below Machine Guns Training:**
 - a. Cross firing is prohibited.
 - b. Shooting on the move is prohibited.
 - c. RSO shall supervise setting of all T&E's and Tripods and report to the OIC.
 - d. Guns shall be laid in with a compass verified by the RSO.
 - e. Positive stops shall be used to prevent firing out of the approved SDZ.
 - f. All tripods shall be sandbagged.
2. **When conducting MK-19 Training:**
 - a. Targets shall be engaged only at ranges greater than 75 meters with training practice (TP) ammunition.
 - b. Targets shall be engaged only at ranges greater than 310 meters with High Explosive (HE) ammunition.
 - c. Gunners, crew members, and other personnel at the firing position shall wear protective helmet, eye/ear protection, and body armor (PPE Level 1) at all times when firing HE ammunition.
3. **During Armored Vehicles Live Fire, the following flag display system will be used:**
 - a. **Red** – Weapons are loaded, on target, weapon arm switch is on fire, and manual safety is off.
 - b. **Green** – All weapons are cleared and elevated, weapon arm switch is on safe and manual safety is off. No ammunition on vehicle.
 - c. **Yellow & Red** – Malfunction or misfire, weapon arm switch is on safe and manual safety is on or Ammunition on vehicle
 - d. **Yellow & Green** – Malfunction, weapons are clear, weapon arm switch is on safe and manual safety is on, no ammunition on vehicle.
 - e. **Red & Green** – Crew preparing to fire or crew is conducting non-firing exercise, ammunition is either stowed or loaded in ready boxes.
 - f. Regardless of displayed flags, the RSO shall physically verify all weapons are clear prior to any movement of vehicles or reporting to LONGRIFLE that Weapons are clear.

SBF Positions

**The Only Authorized 25mm Ammunition is TP-T & TPDST
.50 caliber A606 is NOT Authorized**

| SBF #1 | SBF #2 | SBF #3 | SBF #4 |
|--|---|---|---|
| 25mm TP/ .50Cal & Below 62652 99268 to 62624 99291 LLL 193°mag RLL 201°mag | 25mm TP/.50 Cal & Below 62761 99118 LLL 204°mag RLL 213°mag | 25mm TP/ .50Cal & Below 63393 98771 LLL 200°mag RLL 244°mag | .50 Cal & Below 63494 98655 LLL 205°mag RLL 250°mag 25mm TP LLL 205°mag RLL 245°mag |
| SBF #5 | SBF #6 | SBF #7 | SBF #8 |
| .50Cal & Below 63850 98494 LLL 219°mag RLL 257°mag 25mm TP LLL 220°mag RLL 254°mag | 25mm TP/ .50Cal &Below 63993 98174 LLL 231°mag RLL 249°mag | 25mm TP/ .50Cal & below 62119 99100 LLL 164°mag RLL 171°mag | 25mm TP/ .50Cal & Below 62409 98621 to 62259 98790 LLL 189°mag RLL 229°mag |
| SBF #9 | SBF #10 | SBF #11 FL No Sniper | |
| 25mm TP/ .50Cal & Below, MK19TP 63090 98084 to 62983 98222 <u>LAV/MGs</u> LLL 201°mag RLL 249°mag <u>MK19</u> LLL 211°mag RLL 212°mag | 25mm TP/.50Cal & Below, MK19HEDP/SFGL 61614 98859 to 61578 98964 LLL 231°mag RLL 236°mag | MK19 HEDP/SFGL Inside TRP #3 Only 63135 98056 to 63115 98062 LLL 156°mag RLL 167°mag | |

Special Instructions Continued on Next page

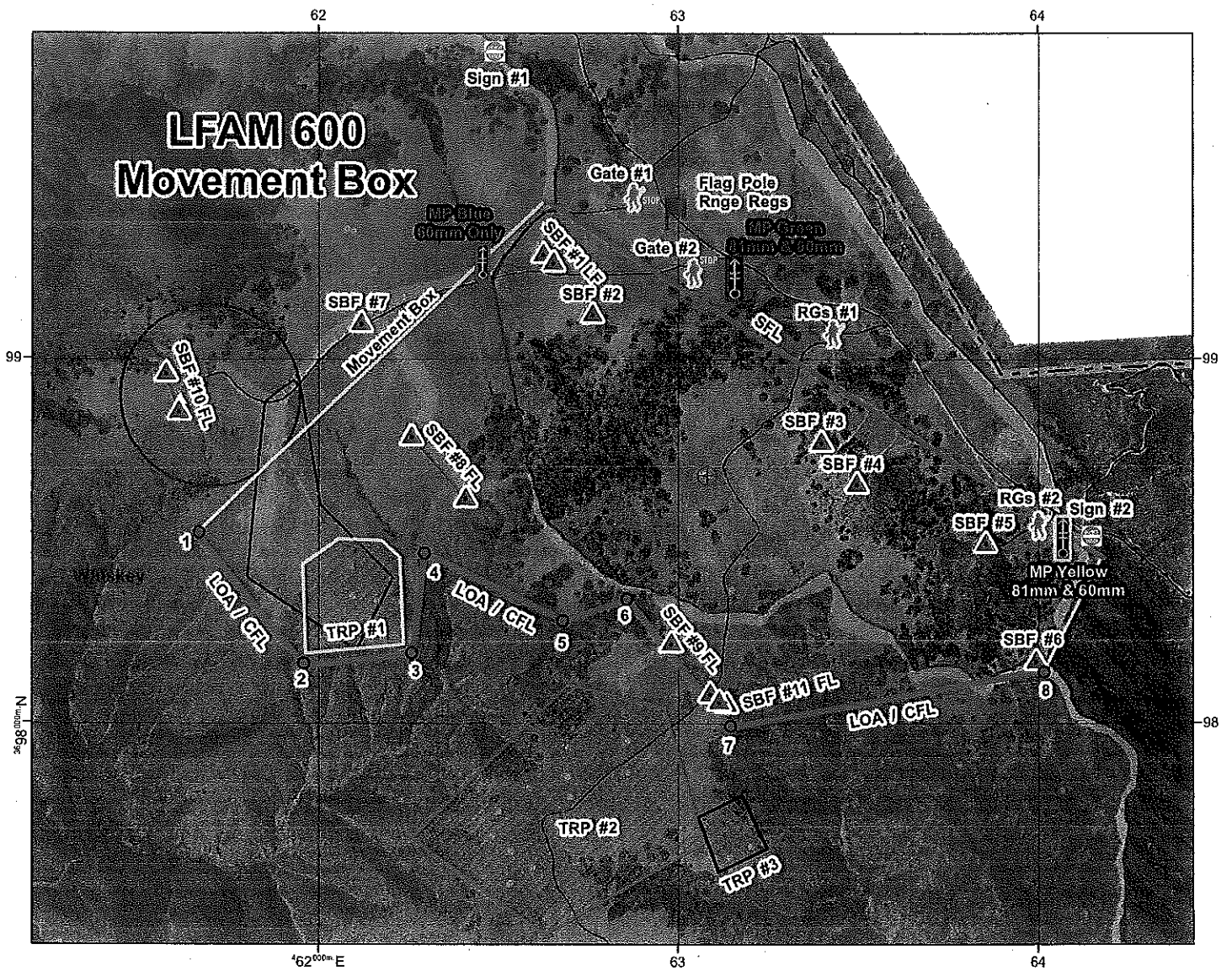
ENCLOSURE 63

RANGE SPECIAL INSTRUCTIONS

| Mortar Position (MP) Firing Data | | |
|---|---|---|
| <ol style="list-style-type: none"> There is no troop penetration beyond the firing line into the impact area. Units are prohibited from crossing the firing line into the impact area to set up targets or aiming stakes. The target engagement distance will not be less than the distance for Area B, unless fired from protected positions. Fire must not impact any closer to participating personnel than the fragmentation radius of Area A. Units must establish clear and defined MSLs that are easily identifiable by all participants and that are based on Area A. MSLs will be calculated from the Mean Point of Impact (MPI) to the closest maneuver element. Area A - 250 Area B - 300 For DODIC BA26 Area A - 380 Area B - 405 Cease-Firing Before Crossing Any MSLs All MSLs shall be marked and identified to all personnel before live fire training occurs. No POV's shall enter LFAM 600 even if they have a range pass. OIC shall report to LONGRIFLE the Max Ord and charge to be fired. Max Ord shall remain within the scheduled Airspace and shall be at least 1000 Feet below any FW Aircraft transitioning over the Impact Area. RSO shall ensure that the FDC has plotted the target box and any RFA's on both the primary and secondary plotting boards. RSO is required to check the FDC/Gun lines Plotting Boards and Safety-T's. Safety-T shall be on hand with each gun. Mortar Position shall engage targets utilizing the data contained in this brief. All mortars shall fire registration fires that shall be verified by the RSO prior to the exercise. Base Plates shall be marked at 11 o'clock and aiming stakes shall be left in place after registration. During all powder burning activities: Increment Burning shall be IAW CAMPENO 3500.1 CH1 Units shall contact LONGRIFLE for permission prior to burning increments. Powder shall be burned in areas cleared to mineral earth, and located no closer than 200 feet from vegetation. Unit shall not exceed 100 increments at any one time while burning. Units shall have fire extinguishers, water, and shovels at the burn site. Units shall remain at the burn site for 30 minutes after the last burn, ensuring no fires have been started in the surrounding vegetation. Units shall contact LONGRIFLE after last increment has burned and 30 minutes has passed. | | |
| MP BLUE 60mm Mortars | MP YELLOW 81mm & 60mm Mortars | MP GREEN 81mm and 60mm Mortars |
| Grid: 62457 99262 LLL: 3520 mils grid RLL: 3680 mils grid Min Range- 850 meters Max Range- 1075 meters Max Charge- 1 Elev- 2545'AMSL Tgt: TRP #1 | Grid: 64070 98506 LLL: 4090 mils grid RLL: 4440 mils grid Min Range- 1250 meters Max Range- 2000 mils grid Max Charge- 81mm-CH 2, 60mm-CH 2-3. Elev- 2525'AMSL Tgt: TRP #2 | Grid: 63158 99220 LLL: 3380 mils grid RLL: 3640 mils grid Min Range- 1200 meters Max Range- 2050 meters Max Charge- 81mm-CH 2, 60mm-CH 3 Elev- 2545'AMSL Tgt: TRP #2 |

Special Instructions Continued on Next page

ENCLOSURE (63)



ENCLOSURE (63)



T&R Tasks

- 1803/1833-GNRY-1131: Conduct AAV Gunnery Table I
- 1803/1833-GNRY-1132: Conduct AAV Gunnery Table II
- 1803-GNRY-1133/1833-GNRY-2106: Conduct AAV Gunnery Table III
- 1803-GNRY-1134/1833-GNRY-2107: Conduct AAV Gunnery Table IV
- 1803-GNRY-1135/1833-GNRY-2108: Conduct AAV Gunnery Table V
- 1803/1833-GNRY-1101: Set Headspace and Timing on M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1102: Load M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1103: Zero M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1104: Fire the M2 HB .50 Cal Machine Gun
- 1803/1833-GNRY-1105: Apply Failure to Fire Procedures for M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1106: Unload M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1107: Perform Preventive Maintenance Checks and Services (PMCS) on M2 .50 Cal HB Machine Gun on AAVP7A1
- 1803/1833-GNRY-1108: Load MK 19 Mod 3 40mm Machine Gun

UNCLASSIFIED

ENCLOSURE (4)



T&R Tasks cont.

- 1803/1833-GNRY-1109: Zero MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1109: Zero MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1110: Fire the MK 19 40mm Machine Gun
- 1803/1833-GNRY-1111: Apply Failure to Fire Procedures for MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1112: Unload MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1113: Perform Preventive Maintenance Checks and Services (PMCS) on MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1114: Install M240G 7.62mm Machine Gun on AAVC7A1
- 1803/1833-GNRY-1121: Conduct Minor Boresighting of Upgunned Weapons Station
- 1803/1833-GNRY-1122: Conduct Major Boresighting of Upgunned Weapons Station
- 1803/1833-GNRY-1123: Operate Upgunned Weapons Station
- 1803/1833-GNRY-1124: Engage Targets with Upgunned Weapons Station
- 1803/1833-GNRY-1125: Perform Preventive Maintenance Checks and Services on Upgunned Weapons Station

UNCLASSIFIED

ENCLOSURE (2)



T&R Tasks cont.

- 1833-GNRY-2105: Set Inhibit Zone for the Upgunned Weapons Station 1803-GNRY-1109: Zero MK 19 Mod 3 40mm Machine Gun
- AAV-GNRY-3156: Conduct AAV Gunnery Table VI
- AAV-GNRY-3157: Conduct AAV Gunnery Table VII
- AAV-GNRY-3158: Conduct AAV Gunnery Table VIII
- AAV-GNRY-4159: Conduct AAV Gunnery Table IX

UNCLASSIFIED

ENCLOSURE (3)



Ammo Load out R408A

- 17,062rds A576, .50 CAL LKD 4 API/API-T F/M2
- 4,000rds, A131, 7.62MM 4 BALL M80/1TRCR M62 LKD
- 2,680rds B542, 40MM HEPD M430/M430A1 LKD (MK 19)

UNCLASSIFIED

ENCLOSURE (3)



Ammo Load out R600/800

- 3,600rds A576, .50 CAL LKD 4 API/API-T F/M2
- 768rds B542, 40MM HEPD M430/M430A1 LKD (MK 19)

UNCLASSIFIED

ENCLOSURE (63)

1st Battalion 4th Marines

Training Support Request

CO-EVENT- (V#) INT DATE
 (S#3 ONLY)

| | | | | |
|------|-----------|------|----------|--------------|
| DATE | 5/21/2020 | UNIT | BRAVO CO | SUBMITTED BY |
|------|-----------|------|----------|--------------|

(b)(3), (b)(6), (b)(7)(c)

Scheme of Maneuver/Clarifying Instructions:

SUPPORT REQUEST IS FOR BRAVO COMPANY AAV PLATOON'S GUNNERY TRAINING

S-2 Support Requested

| Type | Quantity | Description |
|-------------------|----------|--|
| Maps | 34 | CAMP PENDLETON MAP 1:50,000 LAMINATED |
| Imagery | 28 | 28 SETS OF GRGS FOR RANGE 408A AND 800 |
| UAS | | |
| Training Packages | | |

S2: COMMENTS

REQUESTING MAPS FOR GUNNERY TRAINING AS WELL AS FUTURE OPERATIONS ON BOARD CAMP PENDLETON. IMAGERY WILL BE USED BY DRIVER'S AND GUNNERS FOR GUNNERY ON RANGES 408A, 600, AND 800.

| | | | |
|----|---------------|---------------|-----------|
| 62 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

| DETAILS | |
|-------------------------|---------------------------------|
| Type of Training | NAV CREW GUNNERY QUALIFICATIONS |
| Training Area | R408A |
| ACM# | |
| CO-USE REQUIREMENT? Y/N | N |
| Departure Date/Time | 10 JUNE 2020/0700 |
| Hot Date/Time | 10 JUNE 2020/1200 |
| Cold Date/Time | 12 JUNE 2020/0800 |
| OIC | |
| RSO | (b)(3), (b)(6), (b)(7)(c) |
| # of Marines Training | 32 |

S3 COMMENTS

B3 DATE RECEIVED DATE APPROVED SIGNATURE

Rations (MRE/Hot Chow)

| MARINE | | | | NAVY | | | | TOTAL | ROSTER |
|---|----------|--------------------|--|---------------------------|----------|--------------------|--|-------|--------------|
| Officer | Enlisted | Enlisted w/Comrats | | Officer | Enlisted | Enlisted w/Comrats | | | Submitted |
| 1 | 50 | 13 | | 0 | 1 | 1 | | 52 | YES |
| Person to Pick-Up Chow | | | | (b)(3), (b)(6), (b)(7)(c) | | | | DATE | 8-Jun-20 |
| Chow Plan | | | | Breakfast | | | | LOC | 21 AREA AAVS |
| MRE, UGR-NS, UGR-A (Vat), Box Lunch, Chow | | | | Lunch | | | | TIME | 1000 |
| Ice (Plan for 5 lbs/Marine) | | | | Dinner | | | | | |
| Y/N | | | | N | | | | | |
| MRE | | | | MRE | | | | | |

sd COMMENTS

REQUESTING MRE'S (74 CASES) DELIVERED AT 21 AREA RAY
RAMP BLDG 210577. REQUESTING JLTV WITH DRIVER AND A-
DRIVER (ARMORER) FOR SAFETY VEHICLE. SAFETY VIC WILL
LINK UP AT RA08A ON 10 JUNE AT 1000, TRAVEL WITH THE
RAVS TO RANGE 600/800 ON 12 JUNE, AND WILL RETURN TO
MOTOR POOL ON 15 JUNE UPON COMPLETION OF LIVE FIRE
TRAINING.

| PAX | TRAINING AREA LOCATION AND GRID | START DATE | END DATE |
|-----|---------------------------------|------------|-----------|
| 59 | R408A / 116MS 65171 91766 | 10-Jun-20 | 12-Jun-20 |

MEDICAL.

| NUMBER OF CORPSMAN | REPORT DATE/TIME/LOCATION | RETURN DATE/TIME | REPORT TO |
|--|---------------------------|------------------|-----------|
| | | | |
| REMARKS: CORPSMAN SUPPORT ORGANIC TO THE PLATOON | | | |

Transportation ('Time' is show-time for vehicles)

| PICKUP | | | | | | RETURN | | | | | |
|---|------|-----|-------|----------|-------------|--------|------|-----|-------|----------|-------------|
| DATE | TIME | FAX | CARGO | LOCATION | DESTINATION | DATE | TIME | FAX | CARGO | LOCATION | DESTINATION |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| TRANSPORTATION PREFERENCES (i.e. bus, van, 7 ton, etc.) | | | | | | | | | | | |

Tactical Vehicle Request

| Tactical Vehicle Request | | | | Pick-Up | | Return | | Driver Request | | |
|--------------------------|---|--------|-------------|---------|------|--------|------|----------------|-------------|-------------------------------|
| Vehicle Type | # | # Ammo | Destination | DATE | TIME | DATE | TIME | Driver | Ammo Driver | IF PROVIDING ORN, DRIVER NAME |
| M123/M152 HBack | | | | | | | | | | |
| M123/M165 4Door | | | | | | | | | | |
| M1151 UAH | | | | | | | | | | |
| M1167 TON Variant | | | | | | | | | | |
| MRAP 4X4 | | | | | | | | | | |
| M-ATV | | | | | | | | | | |
| MRC 148 | | | | | | | | | | |
| MRC 145 | | | | | | | | | | |
| Ambulance 2 Litter | | | | | | | | | | |
| Ambulance 4 Litter | | | | | | | | | | |
| 7 Ton (PAX) | | | | | | | | | | |
| 7 Ton (CARGO) | | | | | | | | | | |
| Trailer | | | | | | | | | | |
| JLTV HIGH BACK | 1 | | R408A | 10-JUN | 1100 | 14-JUN | 1600 | 1 | | |
| REFUELER (800 GALS) | 1 | | R408A | 11-JUN | 1200 | 11-JUN | 1400 | 1 | | |
| M105 7Ton Trailer | | | | | | | | | | |
| M101/M102 Trlr | | | | | | | | | | |
| M16 Trlr | | | | | | | | | | |
| M149 Water Bull | 1 | | R408A | 10-JUN | 1000 | 12-JUN | 0700 | | | |

VEHICLES WILL NOT BE DISPATCHED UNLESS PMCS ARE COMPLETED FOR THE WEEK

| | | | |
|-----------------------|--------------|---------------------------|---------------|
| NAME DRIVE(S) W/ RANK | | DELIVERY LOCATION | |
| TIME OF DELIVERY | 1000/10-JUNE | R408A / 11SMS 65171 91766 | |
| TIME/DATE OF PRESTAGE | | GUNNER'S APPROVAL | DATE RECEIVED |
| TIME/DATE OF PICKUP | 0800/12-JUNE | | DATE APPROVED |

ENCLOSURE (2)

1st Battalion 4th Marines

Training Support Request

Ammunition

| Qty | DODIC | NOMENCLATURE |
|-------|-------|---|
| | A059 | CTG, 5.56MM BALL F/M16A2 |
| | A063 | CTG, 5.56MM TR F/M16A2 |
| | A064 | CTG, 5.56MM BALL TR 4/1 F/SAW |
| | A075 | CTG, 5.56MM BLANK LKD F/SAW |
| | A080 | CTG, 5.56MM BLK F M16A1/A2 |
| 4000 | A131 | CTG, 7.62MM 4 BALL M80/1TRCR M62 LKD |
| | A358 | CTG, 9MM PRACT AT-4 |
| | A363 | CTG, 9MM BALL PISTOL (NEW) |
| 17062 | A576 | CTG, .50 CAL LKD 4 API/API-T F/M2 |
| | A606 | CTG, .50 CAL API MK 211-0 |
| | AA11 | CTG, 7.62MM M118 L RANGE |
| | AX11 | CTG, 9MM SPOTTING RIFLE (SAW) |
| | B519 | CTG, 40MM PRAC M781 |
| | B535 | CTG, 40MM WHITE STAR PARA |
| 2680 | B542 | CTG, 40MM HE/PD M430/M430A1 LKD (MK 15) |
| | B546 | CTG, 40MM HE/PD LOWVEL LCHO |
| | B642 | CTG, 60MM HE M720 LSCMS W/HOF |
| | B647 | CTG, 60MM ILLUM M721 |
| | BA14 | CTG, 60MM WP M722A1 |
| | BA21 | CTG, 40MM PRAC |
| | C484 | CTG, 81MM ILLUM INFRARED |
| | C869 | CTG, 81MM HE M869 |
| | C870 | CTG, 81MM SMK RP M819 (IUK) |
| | C871 | CTG, 81MM ILLUM M853 (IUK) |
| | C995 | CTG, 84MM 1 INCH M136 (AT-4) |
| | G878 | FUZE, M228 F/G811 |
| | G881 | HG, FRAGMENTATION M67 |
| | G945 | HG, SMK YEL |
| | G963 | HG, RIOT CS M7 |
| | G982 | HG, SMK TNG M83 |
| | HA21 | ROCKET, 21MM SUB-CALIBER, M72AS |

| Qty | DODIC | NOMENCLATURE |
|-----|-------|--|
| | HA29 | RKT, 66MM HE M72A7 (LJW) |
| | KX05 | RKT, 83MM ASSAULT, (SAW) |
| | J007 | MINE, APERS-T M18A1 w/Accessories |
| | K765 | RIOT CNTRL AGENT CS CAPSULE |
| | L307 | SIG, ILLUM WS CLUSTER M159 |
| | L312 | SIG, ILLUM WS PARA M127A1 |
| | L495 | FLARE, SURFACE TRIP M49A1 |
| | L592 | TOW BLAST SIMULATOR |
| | L594 | SIM, PROJ GRND BURST M115A2 |
| | L598 | SIM, BOOBYTRAP FLASH M117 |
| | L599 | SIM, BOOBYTRAP ILLUM M118 |
| | M028 | DEMO KIT, BANGALORE TORP M1A2 |
| | M030 | CHG, DEMO BLK 1/4LB TNT |
| | M032 | CHG, DEMO BLK 1LB TNT |
| | M130 | CAP, BLST ELEC M6 |
| | M131 | CAP, BLST NON-ELEC M7 |
| | M456 | CORD, DET TYPE-1 |
| | N670 | FUZE, BLST TIME M700 (W/1 FT) |
| | N757 | CHG, ASSY DEMO KIT M153 C4 16x1-1/4LB |
| | N008 | IGNITER, BLST TIME FUSE M81 |
| | N079 | DEMO KIT, ANTI-PERS OBSTL BREACH SYS MK7-1 (APOBS) |
| | WH03 | GM, TOW-2 SUAT ATK BGM-71D-5 |
| | WH06 | GM, TOW PRAC |
| | A111 | CTG, 7.62MM BLANK LKD |
| | A598 | CTG, .50 CAL BLNK LNKD |
| | G940 | HG, GREEN SMOKE |
| | G020 | HG, STUN |
| | MN52 | INITIATOR, DUAL SHOCK TUBE W/CAES |
| | | OTHER (SPECIFY DODIC AND NOMENCLATURE) |
| | | OTHER (SPECIFY DODIC AND NOMENCLATURE) |
| | | OTHER (SPECIFY DODIC AND NOMENCLATURE) |

| | | | |
|---------------------------------|-----------|---------------------------------|-----------|
| ORDNANCE TO BE LTI/PFI | YES NO | ARMORER SUPPORT AT RANGE NEEDED | Y X N |
| NO EARLIER THAN DATE OF LTI/PFI | N/A | NO LATER THAN DATE OF LTI/PFI | 8-Jun-20 |
| Date of Weapons Draw | 10-Jun-20 | Date of Weapons Return | 14-Jun-20 |
| Time of Weapons Draw | 0600 | Time of Weapons Return | 1600 |

Equipment to be LTI/PFI (Estimate quantities)

| NOMENCLATURE | QTY |
|---------------|-----|
| M9 PISTOL | |
| M16A4 RIFLE | |
| M203 | |
| M4 CARBINE | |
| M249 SAW | |
| M32 MSG | |
| M240B MG | 3 |
| M2 .50 CAL MG | 13 |
| MK-19 | 13 |
| MK-153 SAW | |
| M224 60MM | |
| M202 81MM | |
| M41A1 SABER | |

| NOMENCLATURE | QTY |
|----------------------|-----|
| M1014 | |
| M40A3/A5 | |
| M107 SASR | |
| M72 LAW TRAINER | |
| MK93 | |
| M35 COYOTE MOUNT | |
| M3 TRIPOD | |
| M122 TRIPOD | |
| MK64 MOUNT | |
| JAVELIN DBT | |
| JAVELIN FTI | |
| CORAMAND LAUNCH UNIT | |
| PLDR | |

| NOMENCLATURE | QTY |
|------------------|-----|
| AN/PQS-18A | |
| AN/PVS-17C | |
| AN/PVS-24 | |
| AN/PEQ-16 | |
| AN/PVS-14 | |
| AN/PVS-28 | |
| AN/PAS-13B (V2) | |
| AN/PAS-13D (V2) | |
| AN/PAS-13D (V3) | |
| M22 BINO (LARGE) | |
| M24 BINO (SMALL) | |
| IELID II | |
| LASER BORE SIGHT | |

| NOMENCLATURE | QTY |
|-----------------|-----|
| M27 | |
| M36 | |
| M320 GL | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |

| | | |
|---------------|---------------|-----------|
| DATE RECEIVED | DATE APPROVED | SIGNATURE |
|---------------|---------------|-----------|

| NOMENCLATURE | Qty | Pick-up | | Return | |
|--------------------|-----|---------|------|--------|------|
| | | DATE | TIME | DATE | TIME |
| PRC-152 | | | | | |
| PRC-153 | | | | | |
| PRC-119 | | | | | |
| PRC-119F | | | | | |
| PRC-117 | | | | | |
| PRC-150 | | | | | |
| VRC-110 | | | | | |
| VRC-89 | | | | | |
| VRC-90 | | | | | |
| MRC-145 | | | | | |
| COMM-201B | | | | | |
| OE-254 | | | | | |
| CI2-10 | | | | | |
| DTCS | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| FREQ/NET ID | | | | | |
| Days Batteries Req | | | | | |

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|---|
| <p>86 COMMENTS</p> <p>COMM EQUIPMENT INTERNAL TO PLATOON.</p> |
|---|

| | | |
|---------------|---------------|-----------|
| DATE RECEIVED | DATE APPROVED | SIGNATURE |
|---------------|---------------|-----------|

ENCLOSURE (23)

OPERATIONAL RISK MANAGEMENT MATRIX

| TRAINING EVOLUTION: Range 222/600/800 | | ORGANIZATION: BLT 1/4, CO B AAV PLT | Assigned OIC: (b)(3), (b)(6), (b)(7)(c) | Assigned RSO: (b)(3), (b)(6), (b)(7)(c) | Weapons Systems: M2 .50 cal Mk19 40mm M240 | Date: 20200610-20200614 | |
|--|---|--|--|--|---|--|--|
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | HOW TO SUPERVISE |
| Phase III | Marine wounded/ killed by Up-Gunned Weapon System or ordnance | -Weapons Malfunction caused by improper headspace and timing. -Negligent Discharge. -Firing outside of designated limits. -Weapons leaving the range not condition 4. | I/C=2 | - Marines perform headspace and timing on the .50 cal prior to live fire. - Weapons are kept in condition 4 until on the firing line with turrets oriented down range. - Marines go condition 4 after firing is complete. - Range lateral limits briefed each day prior to training. - RSO inspect weapons leaving the firing line to ensure clear condition 4. -PPE will be worn at all times. | I/D=3 | -Armorer checks the headspace and timing of each .50 cal. -Classes given on headspace and timing and Marines perform function checks a week prior to going to the field, as well as redundancy checks for each firing vehicle. -Ensure weapons have PFIs and LTIs, prior to live fire training. -Marines instructed on when to go condition 3 and condition 1 during safety briefs. - PSOs verify condition 4 prior to movement off the firing line. -RSO/OIC give safety brief outlining left and right lateral limits of the range prior to execution each day. | - RSO/OIC verifies headspace and timing prior to live fire. - Master Gunner or OIC inform gun crews when to change the condition of weapons. -RSO clears each weapon prior to leaving range. -Master Gunner and OIC observe effects of fires with relation to range boundaries. -RSO ensures PSO is briefed on their responsibilities during live fire. -RSO coordinate with armory and platoon maintenance chief IOT ensure all weapons have had a LTI and PFI |
| Phase III | Marine injured while handling ammunition | -Marines attempting to relink 40mm ammunition. ("buffalo rounds") -Lack of situational awareness. -Marines improperly handling ammunition. | I/C=2 | -Ensure no one handles buffalo rounds except for the RSO, OIC, or designated personnel. -Ensure Marines are paying attention to their surroundings and handling ammunition with care. | I/D=3 | -Platoon leadership briefs the platoon on handling buffalo rounds and that only the RSO, OIC, or designated personnel will handle buffalo rounds. -Safety brief is conducted and an emphasis is made on handling ammunition with care. | -Platoon commander, platoon sergeant, OIC, and RSO ensure no one is handling buffalo rounds except those designated to do so. -RSO conducts safety brief with an emphasis on handling buffalo rounds and ammunition in general. -Section leaders supervise Marines IOT ensure they are safely handling ammunition. |
| Phase III | Marine injured by UXO | -Lack of situational awareness. -Marines attempting to handle UXO. -Marines navigating off of tank trails already laid out in the SOM. | I/C=2 | -Ensure Marines are paying attention to their surroundings and that they know to inform their chain of command if they come across any UXO. -Ensure Marines understand not to touch or handle UXO. | I/D=3 | -Safety brief conducted to ensure Marines maintain situational awareness so they don't disturb any UXO. -Marines briefed that they are not to handle UXO and that if they come across it, to inform their chain of command. -Marines briefed on SOM during operation order. | -RSO/OIC conduct a safety brief to remind Marines to maintain situational awareness and to never handle UXO themselves. -Section leaders supervise their section to ensure IOT ensure Marines don't disturb any UXO. -Crew chiefs supervise crews IOT ensure crews don't disturb any UXO. |
| Phase I,III,IV | Fire while refueling | -Leaking fuel cells. - Smoking while refueling. | I/C=2 | -Fuel Cells are inspected by Vehicle commanders prior to refueling when vehicles are staged. | I/D=3 | -Vehicle commanders are briefed on inspection procedures before refueling. | -Section leaders monitor refueling and ensure Vehicle commanders are inspecting their fuel cells. |

ENCLOSURE (63)

| | | | | | | | |
|------------|---|--|--------|---|--------|--|--|
| | | | | -Marines will not smoke within 50 m of the refueler. | | -Fuel not given to vehicles until crew chief conducts inspection. -All Marines in the platoon briefed of the limitations on smoking. | -Section leaders and platoon leadership monitor refueling to ensure no Marines are smoking within 50 m. -Platoon sergeant will ensure all fire extinguishers are serviceable and located on the AAV per SOP. |
| All Phases | Loss of personnel or equipment | -Marines not maintaining their prescribed hourly comm checks. -Marines not properly briefed on their respective routes and road guard positions. -Lack of situational awareness. | I/C=2 | -Enforce comm checks with all roadguard positions. -Each road guard position will redundant communications -Marines back brief RSO/OIC on locations of road guard positions before leaving. | I/D=3 | -Route brief and ROC walks with all vehicles prior to leaving RAMP. -Conduct of proper accountability for personnel and gear before and after every movement, twice daily (morning and evening) with one of those checks being conducted by serial number. -Proper PCC/PCI conducted. | -OIC/RSO conduct daily serialized gear checks before and after each day of training. -Platoon sergeant will gain full accountability of all personnel before any platoon movement. -Section leaders inspect all gear and Marines within their section are accounted for at all times. |
| All phases | AAV/wheeled vehicle accident collision/ roll-over | -Speeding. -Driver Fatigue. -Passing of other units on roads. -Lack of visibility due to dust. | I/C=2 | -Marines obey all posted speed limits. -Marines are given adequate rest time prior to operating AAV. -AAVs remain on right side of road and mind a safe distance from other vehicles while passing. -AAVs decrease speed to less than 15mph when passing through dust clouds. | I/D=3 | -Vehicle commanders monitor driver speeds of no more than 25mph. -Vehicle commanders monitor rest period of drivers and remove overly fatigued drivers. -Drivers are briefed prior to leaving RAMP on procedures for passing other units on the road. -Drivers maintain distances of 100m or greater dispersion to avoid creating dust clouds. -Drivers are briefed on slowing down when driving through dust. | -Section leaders ensure section maintains proper speed limit. -Vehicle commanders back-brief section leaders on rest plan for crew. -Vehicle commanders verbally command drivers if they do not follow briefed techniques. -Vehicle commanders verbally command drivers if they do not decrease speed during brown out, and all vehicles will stop until dust settles and visibility is restored. |
| All Phases | Vehicle fire resulting in injuries | -Mechanical malfunctions which cause fire. -Fire bottles inoperable. -Smoking inside AAV. | I/C=2 | -Vehicle commanders report any potentially dangerous problems to maintenance personnel. -Vehicle not utilized until mechanical issue is resolved. -Manual fire bottles on every AAV inspected and weighed by maintainers then annotated on fire bottle tags. -MFSS tested by maintainers. -Properly complete the pre-operational checklist. -Brief safety and evacuation SOPs. | I/D=3 | -Vehicle commanders constantly monitor status of vehicles -Other vehicles utilized if vehicle becomes fire hazard. -Vehicle commanders check fire bottle tags prior to operation to ensure date is current. -Vehicle commanders verify MFSS is unobstructed by SL-3. | -Section leaders monitor maintenance issues and report to platoon sergeant -Platoon sergeant ensures all vehicles operating have no mechanical issues -Marines back brief section leaders on proper use and status of manual fire bottles. -Section leaders inspect sections to verify MFSS is unobstructed in all vehicles and fire bottles have current tags. |
| All phases | Injuries on AAVs | -Marines injured by unsecured hatches, improperly stowed gear. -Burns. -Improper wearing of PPE. | II/C=3 | -All hatches and gear are strapped down according to SOP. -All internal gear will be strapped down. -Hands avoid the rim of the hatch when opening/closing or unsecured. -FROG gear worn at all times. -Marines aware of burn treatment. | II/D=4 | -Vehicle commanders supervise and inspect crew men properly strapping down hatches and equipment. -Vehicle commanders ensure proper PPE is worn at all times. -Corpsman briefs platoon on burn treatment. | -Section leaders inspect vehicles prior to conducting rehearsals for properly strapped hatches and equipment. -Section Leaders ensure proper PPE is worn at all times. -RSO ensures vehicle hatches secured, proper PPE utilized before AAV movement conducted. |

| | | | | | | | |
|------------|--|--|---------|--|---------|--|--|
| All Phases | Weather exposure casualties | <ul style="list-style-type: none"> -Marines not eating/drinking properly. -Excessive heat of vehicle when wearing PPE. -Failing to put on or take off warming layers | II/C=3 | <ul style="list-style-type: none"> -Vehicle commanders monitor all crew members to ensure they are eating and drinking enough water. -Warming layers will be removed by 0800. -Gear inspections before leaving will ensure Marines bring warming layers. -Each vehicle has (1) full 5 gallon water cooler and (2) designated water jugs. | II/D=4 | <ul style="list-style-type: none"> -Marines briefed on importance of nutrition/hydration in the field. -Section leaders ensure adequate water on each vehicle prior to rehearsals. -Section leaders ensure Marines are wearing appropriate warming layers. | <ul style="list-style-type: none"> -Platoon commander supervises the platoon as a whole and ensures time is allotted during training for Marines to get chow and water. -Platoon sergeant ensures Marines are provided with food and water. -Corpsman observes Marines to ensure they are not becoming weather casualties. -Platoon commander monitors training to ensure AAV crewmen are given adequate rest time. |
| All Phases | Wildlife Hazards | <ul style="list-style-type: none"> -Marines harassing animals. -Lack of situational awareness -Not alerting the chain of command about wild life on range. -Not alerting corpsman to bug/wildlife allergies. | II/C=3 | <ul style="list-style-type: none"> -Brief animal considerations and their likely locations within the area. -Have a corpsman on hand. -Ensure Marines' allergies are known and prepared for. -Ensure proper medication is on hand. | II/D=4 | <ul style="list-style-type: none"> -During safety brief, brief not to touch, harass, or play with any wildlife and to keep your distance. -Ensure corpsman is aware of any existing allergies. | <ul style="list-style-type: none"> -RSO briefs wildlife concerns and safe practices. -Section leaders supervise to ensure any dangerous or endangered wildlife are reported. -Crew chiefs supervise to ensure any dangerous or endangered wildlife is reported. |
| All phases | -Marines leaving the range with ammunition | <ul style="list-style-type: none"> -Lack of situational awareness. -Marines/Vehicles not being inspected prior to departure from range. | III/C=4 | <ul style="list-style-type: none"> -Ensure Marines vehicles are inspected prior to departing the range via a line-out inspection. | III/D=5 | <ul style="list-style-type: none"> -Platoon leadership inspects vehicles and equipment via line-out inspection. | <ul style="list-style-type: none"> -Platoon commander supervises the conduct of a line-out inspection. -Platoon commander and platoon sergeant inspect one another's vehicles and gear. -Section Leaders inspect all vehicles and crews within their section. |
| All Phases | Hazmat/Fuel Spill | <ul style="list-style-type: none"> -Vehicle malfunction or while doing maintenance repairs. -Improper refueling technique. | III/C=4 | <ul style="list-style-type: none"> -Once hazmat spill or potential is discovered, Marines properly clean, report, and control the spill. -Adequate control materials are brought to field. -Marines utilize service station method of refueling. | III/D=5 | <ul style="list-style-type: none"> -Vehicle commanders monitor all hazmat spills to ensure they are handled properly. -Hazmat procedures are briefed to the Marines prior to leaving the RAMP. -Hazmat rep ensures adequate materials are present on each vehicle prior to leaving field. -Vehicle commanders are briefed on refueling using the service station method prior to leaving RAMP. | <ul style="list-style-type: none"> -Platoon sergeant draws spill kit and disseminates to sections. -Platoon sergeant ensures Hazmat rep has provided adequate materials before leaving RAMP. -Section leaders inspect and supervise vehicle maintenance within section to ensure hazmat spills are properly contained and reported. -Section leaders supervise refueling to ensure proper techniques are utilized. -Crew chiefs inspect and supervise maintenance on assigned vehicle ensuring hazmat spills are properly contained and reported. |

ENCLOSURE (2)

| HAZARD SEVERITY | | RAC ASSESSMENT CODE MATRIX | | | | | COMMAND REVIEW/APPROVAL | |
|--|---|--|--------------------|---|---|--|-------------------------|---|
| I - CATASTROPHIC - Death, permanent disability, major property damage II - CRITICAL - Permanent partial disability, major system or minor property damage III - MARGINAL - Minor injury, minor system or property damage IV - NEGLIGABLE - 1 st aid, minor system repair MISHAP PROBABILITY A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY RISK ASSESSMENT CODE (RAC) 1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL | | H A Z A R D S E V E R I T Y | MISHAP PROBABILITY | | | | | OIC: RSO: RSO: XO/C S-3: 1/4 C |
| | A | | B | C | D | | | |
| I | 1 | | 1 | 2 | 3 | | | |
| II | 1 | | 2 | 3 | 4 | | | |
| III | 2 | | 3 | 4 | 5 | | | |
| IV | 3 | 4 | 5 | 5 | | | | |

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

LETTER OF INSTRUCTION

GOLD BEACH - COMPANY B

| | | |
|----------------------------|----------|-------------|
| DATE(S): 20200714-20200716 | TIME(S): | TRACKING #: |
|----------------------------|----------|-------------|

| | | | |
|------------------------------------|---|------------------|-------------------------|
| UNIT: BLT 1/4, B CO, AAV PLT | OPORD: SECTION/PLT LEVEL AMPHIB OPS | DTG: 20200701 | LOCATION: GOLD BEACH |
|------------------------------------|---|------------------|-------------------------|

SUBJ: AAV PLATOON AMPHIBIOUS OPERATIONS

REF: (A) MAP: CAMP PENDLETON 1:50,000 AMES SERIES V795S, SHEET IV
(B) MCTP 3-10C (EMPLOYMENT OF AMPHIBIOUS ASSAULT VEHICLES)
(C) NAVMC 3500.2 (AAV TRAINING AND READINESS MANUAL)
(D) MARINE CORPS ORDER 3570.1C RANGE SAFETY
(E) MCIWEST- MARINE CORPS BASE CAMP PENDLETON ENVIRONMENTAL OPERATIONS MAP

ENCL: (1) OPERATIONAL RISK MANAGEMENT WORKSHEET
(2) CONFIRMATION BRIEF
(3) LOGISTICAL REQUESTS

TASK ORGANIZATION: AAV PLATOON; FIRST SECTION, SECOND SECTION, THIRD SECTION, AND COMMAND SECTION.

1. **SITUATION:** THIS FIELD TRAINING EVOLUTION WILL PREPARE THE MARINES TO EMPLOY AMPHIBIOUS ASSAULT VEHICLES (AAV'S) IOT CONDUCT FUTURE AMPHIBIOUS OPERATIONS IN SUPPORT OF THE 15TH MARINE EXPEDITIONARY UNIT (MEU).

2. **MISSION:** FROM 14-16 JULY AAV PLATOON, BRAVO COMPANY EXECUTES AMPHIBIOUS OPERATIONS IN VICINITY OF GOLD BEACH IN ORDER TO ENHANCE PROFICIENCY OF SECTION AND PLATOON LEVEL AMPHIBIOUS OPERATIONS TO SUPPORT FUTURE EXERCISES AS PART OF BATTALION LANDING TEAM (BLT) 1/4.

3. EXECUTION:

A. COMMANDER'S INTENT.

(1) **PURPOSE.** TO INCREASE PROFICIENCY IN SECTION AND PLATOON LEVEL AMPHIBIOUS OPERATIONS DURING CHOP TO BATTALION LANDING TEAM 1/4 SO THE PLATOON CAN SUCCESSFULLY SUPPORT AMPHIBIOUS OPERATIONS AS PART OF THE 15TH MEU.

(2) **METHOD.** THIS TRAINING EXERCISE WILL BE ACCOMPLISHED USING THE CRAWL, WALK, RUN METHOD TO ENSURE EACH CREW IS TRAINED IN SECTION AND PLATOON LEVEL AMPHIBIOUS OPERATIONS AND PLATOON SOP'S ARE DEVELOPED. TRAINING WILL PROGRESS FROM CLASSROOM INSTRUCTION TO PRACTICAL APPLICATION, FOLLOWED BY CREW, SECTION, AND PLATOON LEVEL TRAINING. UTILIZING THE GOLD BEACH TRAINING AREA, SECTIONS WILL CONDUCT FORMATION DRIVING, TIME AND DISTANCE PLANNING, LOADING BOAT LANES, AND LANDING ON CENTER BEACH. ADDITIONALLY SECTIONS WILL CONDUCT IMMEDIATE ACTION DRILLS ON LAND SIMULTANEOUS TO OTHER SECTIONS CONDUCTING WATER OPERATIONS. SECTION LEVEL TRAINING WILL OCCUR DURING DAY AND NIGHT AND WILL BE FOLLOWED BY A PLATOON LEVEL EXERCISE TO INCLUDE FORMATIONS, SIMULATED DEBARKATION USING VARIOUS LAUNCH METHODS, AND LANDING AT CENTER BEACH ON TIME.

(3) **END STATE.** AAV PLATOON DEMONSTRATES PROFICIENCY AT CONDUCTING AMPHIBIOUS OPERATIONS AT THE SECTION AND PLATOON LEVEL ACCORDING TO ASSOCIATED T&R STANDARDS AND IS PREPARED FOR FUTURE AMPHIBIOUS OPERATIONS AS PART OF BLT 1/4.

B. **CONCEPT OF OPERATIONS.** THIS IS A FOUR PHASE OPERATION (PHASE I-IV). **PHASE I** WILL BE THE PREPARATION PHASE CONSISTING OF ALL NECESSARY VEHICLE, GEAR, AND PERSONNEL PREPARATIONS PRIOR TO DEPARTURE FOR THE RANGE AND LAND RECOVERY REHEARSALS. **PHASE II** WILL BE THE MOVMENT PHASE FROM R600 TO GOLD BEACH. **PHASE III** WILL BE DAY AND NIGHT

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ENCLOSURE (2)

LETTER OF INSTRUCTION**GOLD BEACH - COMPANY B****DATE(S): 20200714-20200716****TIME(S):****TRACKING #:**

SECTION AND PLATOON TRAINING ON GOLD BEACH WITH IMMEDIATE ACTION DRILLS ON LAND. **PHASE IV** WILL BE WILL CONSIST OF RETROGRADE AND POST OPERATIONS.

(1) **PHASE I: PREPARATION PHASE. 01-14 JULY.** PHASE I HAS ALREADY BEGUN WITH FIELD AND ADMINISTRATION PREPARATIONS TO CONDUCT AMPHIBIOUS OPERATIONS CURRENTLY IN ACTION. ADMINISTRATIVE PREPARATION CONSISTS OF CLASSROOM AND PRACTICAL APPLICATION ON AMPHIBIOUS RECOVERY DRILLS AND AMPHIBIOUS OPERATION PLANNING AT THE PLATOON AND SECTION LEVEL. FIELD PREPARATION WILL INCLUDE LAND REHEARSAL FOR RECOVERY AND EVACUATION PROCEDURES, WATER AND LAND PREOPERATION CHECKLISTS, WATER TIGHT INTEGRITY TESTS, JBCP TEST AND DAGR INSTRUCTION. ONCE BOTH ADMINISTRATIVE AND FIELD PREPARATIONS ARE COMPLETE, THE PLATOON WILL RECEIVE AN OPERATIONS ORDER ON 14 JULY. THIS PHASE ENDS WHEN THE PLATOON DEPARTS R600.

(2) **PHASE II: STAGING AND MOVEMENT PHASE. 14 JULY.** THIS STAGE BEGINS WITH ALL MARINES AND EQUIPMENT ACCOUNTED FOR AND PREPARED TO CONDUCT MOVEMENT. DURING THIS PHASE, SECTION LEADERS WILL ENSURE ALL MARINES AND EQUIPMENT ARE ACCOUNTED FOR BY CONDUCTING COUNTS BEFORE AND AFTER ALL MOVEMENTS. THE PLATOON WILL CONDUCT ITS MOVEMENT FROM THE R600 to GOLD BEACH. THIS PHASE ENDS WITH THE AAV PLATOON OCCUPYING GOLD BEACH ON 14 JULY AND IS PREPARED TO CONDUCT AMPHIBIOUS OPERATIONS.

(3) **PHASE III: EXECUTION PHASE, TA GOLD BEACH. 14-16 JULY.** THIS PHASE IS BROKEN DOWN INTO TWO STAGES. STAGE A IS SECTION DAY/ NIGHT AMPHIBIOUS OPERATIONS AND IMMEDIATE ACTION DRILLS. STAGE B IS PLATOON LEVEL AMPHIBIOUS OPERATIONS.

(A) **STAGE A. 14-15 JULY.** THIS STAGE BEGINS ONCE THE PLATOON HAS ESTABLISHED A TAA AT GOLD BEACH ON 14 JULY. UPON REACHING GOLD BEACH POST OPERATION CHECKS WILL BE COMPLETED AND ALL VEHICLES WILL BE PREPARED FOR AMPHIBIOUS OPERATIONS. THE EXERCISE WILL BEGIN WITH SECTION LEVEL DAY DRIVING AND FORMATION SUSTAINMENT. EACH SECTION LEADER WILL CONDUCT FORMATION DRIVING, COMMAND AND CONTROL REHEARSALS, AND LOADING BOAT LANES USING THE BENT-L AND CROW'S FOOT METHOD. SECTION LEADERS WILL ALLOW FOR DRIVER'S AND REAR CREWMAN TO SUSTAIN THEIR AMPHIBIOUS DRIVING CAPABILITIES DURING THIS PERIOD OF THE TRAINING. AT 1500, DAY TRAINING WILL CEASE AND SECTION LEADERS WILL RECEIVE A FRAGMENTARY ORDER TO CONDUCT A SECTION LEVEL AMPHIBIOUS LANDING, SHORE-TO-SHORE MOVEMENT USING A GIVEN H-HOUR. EACH SECTION LEADER WILL CREATE A PLAN TO LAND AT CENTER BEACH THEN BRIEF THEIR SCHEME OF MANEUVER TO THEIR SECTION. SECTION LEVEL DRIVING AND FORMATION TRAINING WILL CONTINUE FOLLOWED BY SECTION LEADER BRIEFS AND EXECUTION OF THEIR PLAN. ONCE ALL THE SECTION LEADERS HAVE EXECUTED THEIR PLAN, ANOTHER REPETITION WILL BE CONDUCTED WITH ASSISTANT SECTION LEADERS LEADING THE MOVEMENT. AT THE CONCLUSION OF SECTION LEVEL DAY WATER OPERATION TRAINING THE SECTION LEADERS WILL TURN TO IMMEDIATE ACTION DRILLS UTILIZING GOLD TO CONDUCT REHEARSAL OF IED DRILLS, CASEVAC, AND TOW PROCEDURES. ONCE EACH SECTION LEADER HAS COMPLETED THEIR LAND PORTION OF REHEARSALS, THE PLATOON WILL TURN BACK TO PREPARATIONS FOR SECTION LEVEL AMPHIBIOUS NIGHT OPERATIONS. SECTION LEADERS AGAIN WILL EXECUTE THEIR PLANS TO LAND CENTER BEACH ON TIME AT NIGHT. THIS PHASE ENDS ONCE ALL SECTION LEVEL AMPHIBIOUS TRAINING HAS BEEN COMPLETED.

(B) **STAGE B. 15-16 JULY.** THIS STAGE BEGINS ON THE AFTERNOON OF 15 JULY WHEN THE PLATOON WILL CONDUCT ITS PLATOON LEVEL AMPHIBIOUS EXERCISE. AFTER RECEIVING A BRIEF THIS WILL START WITH PLATOON LEVEL FORMATION TRAINING, COMMAND AND CONTROL REHEARSALS, AND LOADING BOAT LANES USING THE BENT-L AND CROW'S FOOT METHOD. ONCE THE PLATOON HAS COMPLETED THESE TASKS AND GAINED PROFICIENCY IN LANDING ON TIME AT CENTER BEACH THEY

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GOLD BEACH - COMPANY B

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WILL PREPARE FOR SECTION LEVEL LAND BASED TRAINING. THIS PART OF TRAINING WILL BE BROKEN DOWN INTO EACH SECTION CONDUCTING SHORT MOVEMENTS THROUGH GOLD BEACH WHERE DIFFERENT SITUATIONS WILL BE PAINTED OVER THE NET TO INCLUDE IMPROVISED EXPLOSIVE DEVICE (IED) DRILLS, CASEVAC, VEHICLE RECOVERY, AND DANGER CROSSING AREAS. THE PLATOON COMMANDER AND PLATOON SERGEANT WILL RUN EACH SECTION THROUGH THESE SCENARIOS TO PREPARE FOR PLATOON LEVEL LAND TRAINING. ONCE THE PLATOON COMPLETES THE NIGHT PORTION OF TRAINING THEY WILL GO INTO A BIVOUAC STATUS. SHOULD THE PLATOON NEED REMEDIATION OR EXTRA TRAINING TIME DUE TO AN UNSAFE SEA STATE THE TRAINING AREA WILL STILL BE AVAILABLE UNTIL 1600 ON 16 JULY. THIS PHASE WILL END ONCE THE PLATOON IS PREPARED TO RETROGRADE BACK TO 3D AABN FOR POST OPERATIONS.

(4) PHASE IV: RETROGRADE/ POST-OPERATIONS PHASE. 16 JULY THIS PHASE BEGINS WITH CLEARANCE FROM RANGE CONTROL TO BEGIN RETROGRADE FROM GOLD BEACH TO 3D AABN RAMP. THE PLATOON WILL TRAVEL IN A TACTICAL COLUMN ALONG THE COASTLINE BACK TO THE RAMP. ONCE ON THE RAMP, VEHICLE WASH DOWNS WILL OCCUR, ALL WEAPONS AND SERIALIZED GEAR WILL BE CLEANED AND TURNED IN, AND AFTER ACTIONS WILL BE COMPLETED. THIS PHASE ENDS ONCE THE FINAL SIGHT COUNT IS COMPLETED.

C. TASKS

| | | | |
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| OIC | T1: ENSURE YOU HAVE PRIOR APPROVAL OF ALL TRAINING IN THE T.A. P2: IOT MAINTAIN POSITIVE CONTROL OF ALL TRAINING, AS YOU ARE DIRECTLY RESPONSIBLE FOR EVERYTHING THAT TAKES PLACE. T2: ENSURE PROPER SURF OBSERVATION REPORTS ARE CONDUCTED. P2: IOT ENSURE SAFE AMPHIBIOUS OPERATIONS TRAINING FOR THE PLATOON. | | |
| RSO | T1: ENSURE SAFE CONDUCT OF TRAINING THROUGH DILIGENT AND INTRUSIVE OVER-WATCH OF ANYTHING RELATED TO SAFETY. P1: IOT PREVENT ANY UNSAFE ACTIONS FROM TAKING PLACE. T2: COMMUNICATE WITH BATTALION AND RANGE CONTROL. P2: IOT ENSURE TRAINING IS CONDUCTED SAFELY IN ACCORDANCE WITH SOPS. | | |
| PLATOON SERGEANT | T1: COORDINATE WITH ALL LOGISTICAL AND OPERATIONS SOURCES. P1: IOT ENSURE ALL REQUIREMENTS TO CONDUCT THIS RANGE ARE IN PLACE TO INCLUDE BUT NOT LIMITED TO, CHOW, WATER, FUEL, COMMUNICATION ASSETS, SAFETY VEHICLES AND RE-SUPPLY, PYROTECHNICS, AND MAINTENANCE CONTACT TEAM. T2: ENSURE ALL PRE AND POST-OP CHECKS ARE CONDUCTED ACCORDING TO SOP. P2: IOT SET CONDITIONS FOR SAFE WATER AND LAND OPERATIONS. T3: CREATE AN EQUIPMENT DENSITY LIST OF ALL THE PLATOON SERIALIZED GEAR. P3: IOT MAINTAIN ACCOUNTABILITY OF ALL SERIALIZED GEAR FOR THE DURATION OF THE EXERCISE. T4: SUPERVISE ALL MAINTENANCE, RECOVERY, AND CASUALTY EVACUATION. P4: IOT ENSURE COMPLIANCE WITH APPROPRIATE PROCEDURES. | | |
| SECTION LEADERS | T1: CONDUCT GEAR INSPECTION NLT 09 JULY. P1: IOT CONFIRM GEAR ACCOUNTABILITY AND UNIFORMITY. T2: CONDUCT LAND REHEARSALS FOR RECOVERY OPERATIONS NLT 09 JULY. T2: IOT SUSTAIN RECOVERY OPERATIONS AND PROCEDURES PRIOR TO GOING FEET WET. T3: INFORM PLATOON SERGEANT OF ALL MAINTENANCE AND READINESS ISSUES. P3: IOT MAINTAIN ACCONTABILITY OF VEHICLES AND PERSONNEL. T4: UPON ARRIVAL AT GOLD BEACH, BPT TO BRIEF A FRAGMENTARY ORER AND LEAD A SECTION LEVEL AMPHIBIOUS ASSAULT. P4: IOT INCREASE PROFICIENCY IN SECTION LEVEL AMPHIBIOUS OPERATIONS. T5: UPON RETURN TO 3D AABN RAMP SUPERVISE AND CONDUCT POST OPERATIONS AND REPORT ANY DISCREPANICES TO MAINTENANCE. | | |
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LETTER OF INSTRUCTION

GOLD BEACH - COMPANY B

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| | P5: IOT ENABLE RAPID REPAIR OF VEHICLES FOR UPCOMING SHIP OPS. |
| CORPSMAN | T1: INVENTORY MEDICAL SUPPLIES THAT ARE BEING BROUGHT TO THE FIELD. P1: IOT ENSURE THAT THE EQUIPMENT ALLOWS PROPER AID FOR ALL POTENTIAL INJURIES AT BLUE BEACH. T2: PLAN GROUND MEDEVAC ROUTES FROM TO HIGHER ECHELON OF MEDICAL CARE. P2: IOT ELIMINATE WASTED TIME IN TRANSPORTING CASUALTY TO MEDICAL CARE. |
| COMM CHIEF | T1: NLT 09 JULY ENSURE ALL VEHICLE'S COMMUNICATION EQUIPMENT HAS BEEN INSPECTED, EVALUATED, AND ARE OPERATIONAL. P1: IOT FACILITATE COMMUNICATIONS DURING TRAINING THROUGHOUT TRAINING EXERCISE. T2: NLT 09 JULY SUPERVISE THE PREPARATION AND OPERATION OF PLATOON COMMUNICATION ASSETS. P2: IOT ENSURE PROPER LOADING OF CRYPTOGRAPHIC INFORMATION ENSURING ALL COMMUNICATION SECURITY PROCEDURES ARE BEING FOLLOWED. T3: ENSURE EACH AAV CAN ESTABLISH COMMUNICATIONS WITH THE OIC AND RSO. P3: IOT ENSURE THE SAFE CONDUCT AND EXECUTION OF THIS EXERCISE. T4: ESTABLISH COMMUNICATIONS WITH BATTALION. P4: IOT SEND SITUATIONAL REPORTS AND LOGISTICAL REQUESTS AS REQUIRED. |
| MAIN CHIEF | T1: ENSURE ALL VEHICLES ARE PROPERLY PREPARED FOR FIELD TRAINING TO INCLUDE ANNOTATION AND RECONCILIATION OF ALL DISCREPANCIES. P1: IOT ENSURE VEHICLES ARE READY FOR CONDUCT OF AMPHIBIOUS OPERATIONS. T2: ASSEMBLE AND MAINTAIN A DSI FOR THE EXERCISE. P2: IOT ENSURE MAINTENANCE CAN BE CONDUCTED IN THE FIELD TO COMPLETE THIS TRAINING EXERCISE. |

D. COORDINATING INSTRUCTIONS

- (1) REQUIRED FACILITIES. GOLD BEACH
- (2) OIC.
(b)(3), (b)(6), (b)(7)(c)
- (3) RSO.
- (4) TIMELINE. 14-16 JULY 2020

14 JULY
1600 OCCUPY GOLD BEACH
1700 SUROB
1730 SAFETY BRIEF
1800 SECTION DAY
2000 NIGHT SAFETY BRIEF/SUROB
2030 NIGHT SECTION
2359 REST PLAN

15 JULY
0600 REVILLE
0700 PRE OPS/SUROB
0800 SAFETY BRIEF
0900 SECTION DAY
1100 SUROB
1130 PLATOON DAY
1500 SUROB

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GOLD BEACH - COMPANY B

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1900 NIGHT SAFETY BRIEF/SUOB
2000 NIGHT SECTION
2200 NIGHT PLATOON
2359 REST PLAN

16 JULY

0600 REVEILLE

0700 RANGE CLEANUP

1000 MOVEMENT TO 3D AABN RAMP

1100 POST OP PROCEDURES

1600 PLATOON SECURED

(5) TACTICAL CONTROL MEASURES (TCMS)/ POINTS OF INTEREST

| TCM (PRIMARY NUMBERED, ALTERNATE LETTER) | LOCATION |
|--|------------------|
| LCAC TOWER | 11S MS 5922 7995 |
| WARRIORS COVE | 11S MS 5570 8488 |
| HOLE IN THE WALL | 11S MS 5509 8632 |
| LAS PULGAS CROSS | 11S MS 5763 8501 |
| BASILONE CROSS | 11S MS 6246 8987 |
| GOLD BEACH | 11S MS 5556 8505 |
| POINTS OF INTEREST | LOCATION |
| AXP-1 (END OF RUNWAY) | 11S MS 6260 7570 |
| 21 AREA BAS | 11S MS 6300 7600 |
| 41 AREA BAS | 11S MS 5928 8293 |
| 43 AREA BAS | 11S MS 6190 8980 |
| NAVAL HOSPITAL | 11S MS 6360 7610 |

(6) RATE(S) OF MARCH AND DISPERSION. 20 MPH IN TRAINING AREAS WITH 50-75 METER DISPERSION. IN LOW LIGHT CONDITIONS, 15 MPH AND 50-75 METER DISPERSION. 5 MPH IN CONGESTED AREAS WHILE UTILIZING GROUND GUIDES. DURING THE MOVEMENT THE PLATOON WILL TRAVEL IN A COLUMN STAYING IN THE HIGH WATER MARK IN ACCORDANCE WITH ENVIRONMENTAL CONSIDERATIONS.

(7) NO COMMUNICATION PLAN

A. PHASE I. NOT APPLICABLE

B. PHASE II/IV MOVEMENT TO AND FROM GOLD BEACH TA. IF COMMUNICATION IS LOST DURING THE PLATOON MOVEMENT THEY WILL UTILIZE HAND AND ARM SIGNALS OR A MESSENGER. THE VEHICLE WILL CONTINUE TO TRY TO RE-ESTABLISH COMMUNICATION DURING THE MOVEMENT. WHILE IN A PLATOON COLUMN, THE PLATOON WILL CONTINUE TO MOVE AS LONG AS THE FIRST AND LAST VEHICLE HAVE COMMUNICATIONS WITH THE PLATOON COMMANDER OR PLATOON SERGEANT. IF COMMUNICATION LOST BETWEEN THESE THREE VEHICLES THE PLATOON WILL HALT FOR NO LONGER THAN 10 MINUTES AND RE-ESTABLISH COMM. IF IT CANNOT BE RE-ESTABLISHED THEN THE PLATOON WILL CONTINUE THEIR MOVEMENT WITH THE 1ST SECTION LEADER TAKING TACTICAL CONTROL WHILE THE PLATOON COMMANDER TRIES TO RE-ESTABLISH COMM WHILE MOVING. RANGE FLAG WILL BE UTILIZED TO PASS THE COMMUNICATION STATUS OF THE VEHICLE TO THOSE AROUND IT. GREEN WILL MEAN "HEAR BUT CANNOT SPEAK", YELLOW WILL MEAN "CANNOT HEAR OR SPEAK" AND RED MEANS EMERGENCY IN THE VEHICLE AND NEED ASSISTANCE. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH

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LONGRIFLE, TRAINING WILL CEASE AND COMMUNICATION WILL BE RE-ESTABLISHED.

C. PHASE III EXECUTION OF AMPHIBIOUS OPERATIONS. THE AAVC7 WILL BE UTILIZED AS THE COMMAND CENTER FOR THE PLATOON TO TRANSMIT TO AND FROM BATTALION. IF COMMUNICATION GOES DOWN SECTION INTERNAL THEY WILL UTILIZE HAND AND ARM SIGNALS AS WELL AS THE RANGE FLAG SYSTEM AS PREVIOUSLY MENTIONED IN PHASES II/IV. EMERGENCY SIGNAL WILL BE IN ACCORDANCE WITH AMPHIBIOUS OPERATIONS STANDARD OPERATING PROCEDURES UTILIZING THE NOVEMBER FLAG, SPOTLIGHT AND WHITE AND RED STAR CLUSTERS. DURING NIGHT TIME EVOLUTION CHEMSTICKS WILL BE USED IN ACCORDANCE WITH THE RANGE FLAGS. IR CHEMSTICKS WILL BE USED IF NECESSARY FOR HAND AND ARM SIGNAL COMMUNICATION WHILE CONDUCTING WATERBORNE OPERATIONS. AS A CONTINGENCY PLAN IN CASE OF AN EMERGENCY THE SECTION LEADER WILL HAVE BLACK GEAR IN CASE OF A CATASTROPHIC COMMUNICATION FAILURE SO THEY CAN STILL COMMUNICATE WITH THE RSO AND OIC. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE TRAINING WILL CEASE AND COMMUNICATION WILL BE REESTABLISHED.

(8) LOST MARINE PLAN. IF A MARINE HAS BEEN IDENTIFIED AS MISSING, ALL MOVEMENT AND TRAINING WILL CEASE AND THE PLATOON WILL GAIN ACCOUNTABILITY OF ALL PERSONNEL AND EQUIPMENT BEFORE BACKTRACKING THE PREVIOUS ROUTE UNTIL THE MARINE IS FOUND. ACCOUNTABILITY WILL BE MAINTAINED BY CONDUCTING CHECKS BEFORE AND AFTER ANY MOVEMENT. ALL MARINES WILL INFORM THEIR CHAIN OF COMMAND WHEN THEY LEAVE THE IMMEDIATE AREA OF THE PLATOON. THEY WILL TRAVEL IN PAIRS AND NEVER MOVE MORE THAN 50M AWAY FROM THE PLATOON. ALL MARINES WILL CARRY A WATER SOURCE WHEN STEPPING AWAY FROM THE VEHICLE. WHILE MOVING TO AND FROM THE RANGE. DURING PHASE II AND IV, IF A MARINE BECOMES LOST THEY WILL REMAIN IN PLACE FOR 2 HOURS AND THEN BACKTRACK SOUTH VIA THE COASTLINE TO 3D AABN. ON RETURN TO 3D AABN THEY WILL CONTACT THE PLATOON COMMANDER OR PLATOON SERGEANT VIA THE OOD.

(9) GO/NO GO CRITERIA

- A. CORPSMAN PRESENT AND PREPARED FOR CONDUCT OF EXERCISE.
- B. MAINTAIN POSITIVE COMMUNICATIONS WITH LONG RIFLE.
- C. SEA STATE GREATER THAN 3.
- D. LESS THAN SIX AAVP7'S OPERATIONAL.

(10) ORDER OF MARCH. VEHICLES WILL MOVE SECTION ORDER NUMERICALLY 1ST SECTION, 2ND SECTION, 3RD SECTION, COMMUNICATION SECTION. ONCE SECTION OPERATIONS TAKE PLACE, IT IS SECTION LEADER DISCRETION TO ACCOMPLISH THE MISSION.

(12) LAUNCHING AND RETURNING. THE SPLASH TEAM WILL ENSURE THAT THE MOST RECENTLY LAUNCHED VEHICLE IS AT LEAST 50 YARDS AWAY FROM THE LAUNCH POINT BEFORE LAUNCHING SUCCESSIVE VEHICLES. THE MARINES LAUNCHING SUCCESSIVE VEHICLES AS PART OF THE SPLASH TEAM WILL UTILIZE RED AND GREEN FLAGS TO SIGNAL WHEN AN AAV IS CLEARED/ NOT CLEARED TO LAUNCH. THE PLATOON SERGEANT WILL BE IN CHARGE OF THE SPLASH TEAM. THE 1ST SECTION LEADER WILL TAKE CHARGE OF THE SPLASH TEAM SHOULD THE PLATOON SERGEANT BE UNAVAILABLE.

(13) VEHICLE RECOVERY PLAN.

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A. LAND. 10 MINUTES TO TROUBLESHOOT AND 20 MINUTES TO FIX. PLATOON SERGEANT IS THE PRIMARY RECOVERY TEAM. 3RD SECTION, OR LEAST ENGAGED SECTION IS THE ALTERNATE RECOVERY TEAM. ON THE MOVEMENT IF A VEHICLE NEEDS TO BE TOWED THE PLATOON SERGEANT WILL REMAIN PRIMARY TOW VEHICLE WHILE THE REMAINDER OF THE PLATOON FORMS A DEFENSIVE POSTURE TO RECOVER THE DOWNED VEHICLE. IF THE PLATOON SERGEANT VEHICLE NEEDS TO BE RECOVERED, A DEFENSIVE POSTURE WILL BE FORMED TO RECOVER DOWNED VEHICLE BY 3RD SECTION. ALL EFFORTS WILL BE MADE TO REPAIR VEHICLES IN THE FIELD AND MOVE THEM TO THE TAA.

B. WATER. DURING WATER OPERATIONS THE PRIMARY RECOVERY VEHICLE WILL BE SECTION INTERNAL WITH THE ASSISTANT SECTION LEADER BEING THE PRIMARY TOW VEHICLE. TWO ADDITIONAL VEHICLES WILL BE ON STANDBY SHOULD A VEHICLE NEEDED TO BE TOWED. THE PRIMARY TO TOW METHOD WILL BE AFT TO AFT.

(14) BUMP PLAN. VEHICLE CREW AND EMBARKED PERSONNEL FROM THE DISABLED VEHICLE WILL BUMP TO THE SECTION LEADER'S VEHICLE. IF PLATOON SERGEANT'S VEHICLE IS THE DOWNED VEHICLE, CREW AND EMBARKED PERSONNEL WILL BUMP TO VEHICLE 3-15-11, 3-15-7, 3-15-3.

(15) UNIFORM AND GEAR. ALL HANDS WILL WEAR FIRE RESISTANT ORGANIZATION GEAR (FROG), APPROPRIATE PPE, AND LPU'S DURING AMPHIBIOUS TRAINING.

(16) PPE. PPE WILL BE WORN AT ALL TIMES WHILE CONDUCTING TRAINING. PPE CONSISTS OF KEVLAR/ FROG, EYE PRO, EAR PRO, GLOVES, PLATE CARRIERS. IFAK'S WILL BE WORN OR IN THE MARINES STATION AT ALL TIMES. GAS MASK WILL BE ACCESSIBLE TO BE DONNED AT ANY POINT BY THE MARINE DURING THE EXERCISE.

(18) MARKING PLAN

(B) PERSONNEL MARKING PLAN. THE OIC, RSO, AND CORPSMAN WILL BE MARKED WITH A WHITE CHEMSTICK DURING ALL SECTION LEVEL NIGHT TRAINING EVOLUTIONS.

(C) VEHICLE MARKING PLAN. FOR NIGHT TRAINING AS A SAFETY MEASURE EACH VEHICLE WILL BE MARKED WITH ONE YELLOW CHEMSTICK ON THE STARBOARD ANTENNA. THE PLATOON COMMANDER WILL HAVE TWO YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA AND THE PLATOON SERGEANT WILL HAVE THREE YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA.

(19) SAFETY DRIVERS AND CORPSMAN. THE SAFETY DRIVER AND CORPSMAN WILL BE LOCATED AT GOLD BEACH. SAFETY DRIVERS WILL BE WILL BE REQUIRED TO BACK-BRIEF THE RSO THE ROUTE TO THE NAVAL HOSPITAL IN CASE OF AN EMERGENCY. IN ADDITION TO A BACK-BRIEF, THE RSO WILL PASS SPECIFIC GUIDANCE THAT THE SAFETY DRIVER IS NO MORE THAN AN ARMS-REACH AWAY FROM THE VEHICLE, THE BACK OF THEIR VEHICLE IS KEPT CLEAR OF EQUIPMENT AND DEBRIS, AND THAT THYE KEEP THEIR PPE STAGED ON THE VEHICLE.

4. ADMINISTRATION AND LOGISTICS

A. ADMINISTRATION

(1) PERSONNEL COUNT (MO/ME/NO/NE). 1/57/0/1 TOTAL 59

(2) VEHICLE COUNT (BY TYPE AND QTY). (12) AAVP7S, (1) AAVC7, (1) AAVR7

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(3) ASTRONOMICAL DATA

| DATE | SUNRISE | SUNSET | ILLUMINATION |
|---------|---------|--------|--------------|
| 10 JULY | 05:48 | 20:00 | 73% |
| 11 JULY | 05:49 | 20:00 | 64% |
| 12 JULY | 05:49 | 20:00 | 54% |
| 13 JULY | 05:50 | 19:59 | 44% |
| 14 JULY | 05:51 | 19:59 | 34% |
| 15 JULY | 05:52 | 19:58 | 30% |
| 16 JULY | 05:53 | 19:58 | 22% |

(4) CASUALTY EVACUATION (CASEVAC) PLAN. IN THE EVENT OF A CASUALTY ALL TRAINING WILL CEASE AND LONGRIFLE WILL IMMEDIATELY BE NOTIFIED WHILE THE CASUALTY IS EVALUATED BY THE CORPSMAN. COMMUNICATION WILL TAKE PLACE USING A NATO 9-LINE AND WILL BE MADE BY THE OIC, RSO, OR CORPSMAN. DAYTIME LZ FOR AIR CASEVAC WILL BE MARKED BY A TACTICAL VEHICLE WITH AIR PANEL AND NIGHT TIME WILL BE WITH USING A CHEMSTICK BUZZSAW. THE PRIMARY MEANS WILL BE AAV TO 3D AABN RAMP, AMBULANCE or POV TO 21 AREA BAS OR NAVAL HOSPITAL.

(A) URGENT AND PRIORITY CASUALTIES. IN THE EVENT OF AN URGENT OR PRIORITY CASUALTY THE CORPSMAN WILL PROVIDE INITIAL EVALUATION AND TREATMENT OF THE INJURED MARINE. LONGRIFLE WILL BE CONTACTED IMMEDIATELY. IN THE CASE OF A GROUND MEDEVAC THE INJURED MARINE WILL BE TRANSPORTED VIA SAFETY VEHICLE TO A HIGHER ECHELON OF MEDICAL CARE. DEPENDING ON THEIR INJURY THEY WILL BE TRANSPORTED TO 3D AABN RAMP. IF AN AMBULANCE TRANSFER IS NOT NECESSARY THEY WILL BE TRANSPORTED TO 21 AREA BAS OR THE NAVAL HOSPITAL VIA THE SAFETY VEHICLE.

(B) ROUTINE CASUALTIES. IF A ROUTINE CASUALTY OCCURS IN ANY OF THE TRAINING AREAS TRAINING WILL CEASE AND LONGRIFLE WILL BE NOTIFIED. THE CORPSMAN WILL PROVIDE INITIAL ASSESSMENT AND TREATMENT. BASED ON THE RECOMMENDATION OF THE CORPSMAN AND THE SEVERITY OF THE INJURY THE OIC/ RSO WILL DETERMINE IF THE MARINE WILL REMAIN IN THE FIELD OR NEEDS TO BE TRANSPORTED BACK TO THE 21 AREA BAS.

B. LOGISTICS

(1) AMMO.

| AMMUNITION | DODIC | QUANTITY |
|-------------------------|-------|----------|
| SIGNAL, ILLUM STAR WHIT | L172 | 14 |
| SIGNAL, ILLUM STAR RED | L170 | 14 |

(2) FOOD, WATER, REFUEL. THE PLATOON WILL HAVE 74 CASES OF MRE'S TO SUSTAIN THE ENTIRETY OF THE TRAINING EXERCISE. EACH AAV WILL CARRY 15 GALLONS OF WATER FOR THE ENTIRETY OF THE TRAINING.

(3) RECOVERY ASSETS. THE PLATOON WILL HAVE (10) TOW BARS. THE PLATOON SERGEANT'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE PLATOON. THE ASSISTANT SECTION LEADER'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE SECTION. DURING AMPHIBIOUS OPERATIONS TOW ROPES WILL BE UTILIZED TO RECOVER VEHICLES.

| SIGNATURE/DATE | OIC | RSO | GUNNER |
|----------------|-------|-----|---------|
| CO CMDR | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

GOLD BEACH - COMPANY B

DATE(S): 20200714-20200716

TIME(S):

TRACKING #:

5. COMMAND AND SIGNAL:

A. COMMAND

(1) POINTS OF CONTACT. PLATOON COMMANDER

(b)(3), (b)(6), (b)(7)(c)

(b)(3), (b)(6), (b)(7)(c)

(2) LOCATION OF KEY LEADERS. OIC WILL BE LOCATED IN VEHICLE 3-15-04. PLATOON SERGEANT WILL BE IN VEHICLE 3-15-12 WITH THE CORPSMAN DURING MOVEMENTS.

B. SIGNAL.

| DESCRIPTION | PRIMARY | ALTERNATE | CONTINGENCY |
|--------------|---------|----------------------|--------------------|
| AAV DISABLED | VHF | NOVEMBER FLAG RAISED | WHITE STAR CLUSTER |
| AAV SINKING | VHF | NOVEMBER FLAG WAVED | RED STAR CLUSTER |

| | PRIMARY | ALTERNATE | CONTINGENCY | EMERGENCY |
|-----------------------------|----------------------------------|----------------------------------|-------------|--------------------------|
| RANGE CONTROL - "LONGRIFLE" | 40.35MHZ (VHF) | 30.35MHZ (VHF) | | KEY LEADER CELL PHONE |
| PLATOON | PLT TAC 1 NET ID (541) VHF | PLT TAC 2 NET ID (546) VHF | BLACK GEAR | KEY LEADER CELL PHONE |
| BATTALION | TAC 1 (300) HF | TAC 2 (301) HF | JBC-P | |

OFFICIAL

COMMANDING

(b)(3), (b)(6), (b)(7)(c)

| SIGNATURE/DATE | OIC | RSO | GUNNER |
|----------------|-------|-----|--------|
| CO CMDR | S-3/A | S-3 | BN |

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

| | | | |
|----------------------------------|---------------------------------|-------------------------------|--|
| DATE 20200714-20200716 | UNIT 1/4 B CO AAV PLT | RANGE/TA Gold Beach | TRAINING TO BE CONDUCTED Amphibious Operations |
|----------------------------------|---------------------------------|-------------------------------|--|

| | | |
|---|---|--|
| OIC (b)(3), (b)(6), (b)(7)(c) | RSO (b)(3), (b)(6), (b)(7)(c) | PERSONNEL 1 MO 57 ME 1 NE |
|---|---|--|

MISSION: From 14-16 July the AAV Platoon executes amphibious operations at Gold Beach in order to enhance proficiency of the Sections and Platoon to support future amphibious training ISO the 15th MEU.

| MAP CHIP | TIMELINE |
|----------|---|
| | 14 JULY 1600 OCCUPY GOLD BEACH 1700 SUROB 1730 SAFETY BRIEF 1800 SECTION DAY 2000 NIGHT SAFETY BRIEF/SUROB 2030 NIGHT SECTION 2359 REST PLAN 15 JULY 0600 REVILLE 0700 PRE OPS/SUROB 0800 SAFETY BRIEF 0900 SECTION DAY 1100 SUROB 1130 PLATOON DAY 1500 SUROB 1900 NIGHT SAFETY BRIEF/SUROB 2000 NIGHT SECTION 2200 NIGHT PLATOON 2359 REST PLAN 16 JULY 0600 REVEILLE 0700 RANGE CLEANUP 1000 MOVEMENT TO 3D AABN RAMP 1100 POST OP PROCEDURES 1600 PLATOON SECURED |

| | | | |
|---|---|--|---|
| Evaluator/ A.I. Requirements Platoon Commander and Platoon Sergeant will evaluate the crews and sections on their abilities to employ and control the AAV in the water. | TRANSPORT Platoon will self-lift to and from the beach utilizing 13 AAV P7s, 1 AAV C7, and 1 AAV R7 | LOGISTICS Marines will be issued (5) DOS chow/water prior to transport, water jugs will be brought for sustenance. | UNIFORM Frogs with boonie cover, PPE Level 1 (plate carrier w/ front/rear SAPIs, Kevlar, eyep/earpro) and WECS. |
| | COMMUNICATION PLAN AAVs will be used as primary, with PRC-117/150s as secondary once the range has been occupied. Comms w/ Longrifle via AAV/PRC-117(SC/PT). Platoon internal safety structure maintained on Mk-153 black gear. | | MEDICAL REQ. (1) Corpsman will be located with safety vehicle 3-15-12. |



T&R Tasks



- 1833-GNRY-1101 Install M2 .50 Cal HB Machine Gun
- 1833-GNRY-1110 Install MK 19 Mod 3 40mm Machine Gun
- 1833-GNRY-1118 Install M240G 7.62mm Machine Gun on AAVC7A1
- 1833-CMDC-1205 Identify Standard Flags, Lights, and Markers Used to Control AAV
- 1833-VOPS-1301 Conduct Preoperations Checks
- 1833-VOPS-1302 Conduct Water Preoperation Checks
- 1833-VOPS-1306 Start AAV Engine Under Normal Conditions
- 1833-VOPS-1310 Operate AAV on Land
- 1833-VOPS-1311 Operate AAV in Water
- 1833-VOPS-1316 Refuel an AAV
- 1833-TAC-1707 Conduct Evacuation of Personnel from Disabled/Sinking AAV
- 1833-VOPS-2303 Maintain Night Vision Goggles
- 1833-VOPS-2304 Operate Night Vision Goggles

UNCLASSIFIED

ENCLOSURE (63)



T&R Tasks Cont



- 1833-AMPH-2606 Develop Surf Observation (SUROB) Report
- 1833-AMPH-2608 Supervise Splash Team Operations
- 1833-TAC-2705 Prepare AAV for Night/Limited Visibility Operations
- 2141-MAIN-1002 Operate AAV

UNCLASSIFIED

ENCLOSURE (3)

OPERATIONAL RISK MANAGEMENT MATRIX
Marine Corps Base Camp Pendleton

| TRAINING EVOLUTION: Amphibious Training Gold Beach | | ORGANIZATION: BLT 1/4 Bravo CO AAV Plt | | Assigned OIC: (b)(3), (b)(6), (b)(7)(c) | | Assigned RSO: (b)(3), (b)(6), (b)(7)(c) | | Weapons Systems: | | Date: 20200714-20200716 | |
|--|--|--|----------|--|---------|---|---|------------------|--|--------------------------------|--|
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | HOW TO SUPERVISE | | | | |
| Phase III | Vehicle accident while operating at night on land and in water | -Night Vision Devices (NVDs) not functioning properly. -Ground guides not utilized in congested areas. -Crew unfamiliar with night operations. | I/C=2 | -All night optics op-checked prior to departing for TA, and before dark each night. -All Marines utilizing NVD's while conducting night-time movements. -Night time marking plan. -Ground guide according to Standard Operating Procedures. | I/D=3 | -Vehicle commanders function check the NVDs on their own vehicle. -Marines driving are briefed that they are required to wear NVDs during each night-time evolution. -Platoon briefed on night scheme of maneuver. -Chem lights are used by ground guides to move AAV's. | -Section leaders and Platoon Sergeant spot check NVDs for function. -Section Leaders conduct ROC walk for night time considerations during amphibious operations. -Ensure ground guides have chem lights to ground guide. | | | | |
| All Phases | Vehicle fire resulting in injuries. | -Mechanical malfunctions which cause fire. | I/C=2 | -Vehicle Commanders report any potentially dangerous problems. -Vehicle not utilized until mechanical issue is resolved. -Manual fire bottles on every AAV inspected and weighed by maintainers. -AFSSS tested by maintainers. | I/D=3 | -Vehicle commanders monitor status of vehicles. -Vehicle Commanders check fire bottle tags prior to operation to ensure date is current. -Vehicle commanders verify AFSSS is unobstructed by SL-3. | -Section leaders monitor maintenance issues and report to Platoon Sergeant. -Platoon Sergeant ensures all vehicles operating have no mechanical issues. -Marines back brief section leaders on proper use and status of manual fire bottles. -Section leaders inspect sections to verify AFSSS is unobstructed in all vehicles and fire bottles have current tags. | | | | |
| Phase II/III | Personnel Drowning / Falling off AAV | -LPU's serviceability not checked prior to executing training. -Marines not maintaining 3 points of contact on top of vehicles. | IIC=3 | -Common SOP for Amphibious Operations. -Pre-operation checklists include LPU serviceability. | IID=4 | -Vehicle Commanders conduct PCCs/PCIs to include LPU's inspection. | -Section Leaders monitor PCC's / PCI's for their section. -OIC/RSO conduct safety brief prior to executing training. | | | | |

ENCLOSURE (3)

| | | | | | | | |
|--------------|-----------------------------|--|---------|---|---------|--|--|
| Phase II/III | AAV Sinking | <ul style="list-style-type: none"> -Vehicle collision. -Vehicle noses down while moving in water. -Mechanical Failure. -Improper pre-water operations checklist completed. | ID=3 | <ul style="list-style-type: none"> -50m dispersion unless conducting recovery. -Water tight integrity checks. -2200 RPM speed limit. -Common SOP for amphibious operations. | IID=4 | <ul style="list-style-type: none"> -Platoon briefed operations order. -Designate splash team. -Provide section leaders and Platoon Sergeant with Pre-Water Ops checklist. | <ul style="list-style-type: none"> -OIC/RSO monitor splashes and speeds. -Platoon Sergeant or 1st section leader command splash team. -Section leaders inspect pre-water op checklist after completion. |
| All Phases | Land Collision | <ul style="list-style-type: none"> -Operating at unsafe speeds. -Following too close. -Improper dispersion | IIC=3 | <ul style="list-style-type: none"> -Establish rates of march. -Establish dispersion for day and night movements. -Vehicle Commander navigating driver. | IID=4 | <ul style="list-style-type: none"> -Rate of march and dispersion covered in op order. -Safety brief with emphasis on ground guided in congested areas. | <ul style="list-style-type: none"> -Section leader monitors speed/dispersion. -Vehicle commander supervision speed, dispersion, route selection. |
| Phase II/III | Vehicle Recovery Accidents | <ul style="list-style-type: none"> -Improper towing procedures utilized. -Equipment failure while towing. | IIC=3 | <ul style="list-style-type: none"> -Common SOP for Amphibious Operations. -AAV recovery TTP's understood by Marines. -Pre-operation checklists include recovery equipment. | IID=4 | <ul style="list-style-type: none"> -Section leaders have Marines rehearse recovery operations/SOP. -Provide Pre-Water Op Checklists for recovery equipment. | <ul style="list-style-type: none"> -Vehicle Commanders monitor recovery operations. -OIC/RSO conduct safety brief on recovery operations. |
| All Phases | Personnel injuries on AAVs. | <ul style="list-style-type: none"> -Marines injured by unsecured hatches, improperly stowed gear. -Improper mounting of AAV. -Improper wear of PPE. | II/C=3 | <ul style="list-style-type: none"> -All hatches and gear are strapped down according to SOP. -Ensure personnel maintain 3 points of contact when mounting the AAV. -Enforce proper PPE while on AAV (i.e. eye protection, ear protection, gloves, steel toe boots, plate carrier). | II/D=4 | <ul style="list-style-type: none"> -Leadership supervises stowage of gear. -Conduct a brief on safety precautions within the Common SOP; to include wearing PPE, "chest-high" defilade in the hatches and safe practices. | <ul style="list-style-type: none"> -Vehicle commanders supervise crews to ensure proper stowage of gear and hatch security. -Platoon leadership supervise the platoon to ensure PPE is worn and SOP's are being followed. -Section leaders supervise sections to ensure Marines are properly mounting vehicles. |
| All Phases | Hazmat/Fuel Spill. | <ul style="list-style-type: none"> -Vehicle malfunction or while doing maintenance repairs. -Not cleaning POL's out of hull. | III/C=4 | <ul style="list-style-type: none"> -Once hazmat spill or potential is discovered, Marines properly clean, report, and control the spill. -Adequate control materials are brought to field. | III/D=5 | <ul style="list-style-type: none"> -Vehicle commanders monitor all hazmat spills to ensure they are handled properly. -Hazmat procedures are briefed to the Marines prior to leaving the RAMP. -Hazmat rep ensures adequate materials are present on each vehicle prior to leaving field. | <ul style="list-style-type: none"> -Section leader monitors hazmat spills to ensure proper techniques are followed. -Vehicle commanders back brief platoon leadership on hazmat procedures prior to leaving RAMP. -Platoon sergeant ensures Hazmat rep has provided adequate materials before leaving RAMP. |

ENCLOSURE (3)

| | | | | | | | |
|---------------|-------------------------------------|--|--------|---|--------|---|---|
| All Phases | LZ FOD (CASEVAC) | -Blowing visible FOD due to rotor wash. | I/C=2 | -Ensure that landing surface/LZ is clear of FOD prior to conducting landing operations. | I/D=3 | -Have a fire team size group of Marines sweep the LZ before landing. | -Platoon commander/Platoon sergeant visually inspect landing zone. |
| All Phases | Loss of personnel and/or equipment | - Lack of accountability for personnel and/or gear. | IIID=5 | -Op Order covers Lost Marine Plan -EDL rosters on hand. -NVG's dummy corded to body. | IVD=5 | - Accountability and EDL checks periodically throughout training. -Platoon Sergeant verifies morning/evening EDL. -Prior to operation ensure all NVG's have 550 chord attached. | -Platoon Leadership ensures strict accountability and briefs chain of command in any instance where a Marine or piece of equipment is not accounted for. -Spot check dummy corded NVG's. |
| All Phases | Weather exposure casualties (Heat). | -Marines not eating/drinking properly. -Excessive heat of vehicle when wearing PPE. | II/C=3 | -Vehicle commanders monitor all crew members to ensure they are eating and drinking enough water. -Any time vehicles are not needed for rehearsals, crew members remove PPE and turn off the vehicle unless moving outside of it. -Each vehicle has (2) two designated water jugs and a cami net. | II/D=4 | -Marines briefed on importance of nutrition/hydration in the field. -Section leaders ensure adequate water on each vehicle prior to rehearsals. | -Marines back brief Platoon commander on importance of hydration/nutrition. - Platoon Sergeant ensures Marines are provided with food and water. -Corpsman observes Marines to ensure they are not becoming weather casualties. -Vehicle Commanders monitoring Crewman's hydration/ nutrition. |
| All Phases | Wildlife/ Environmental Hazards | -Marines harassing animals - Operating in environmental protected areas. | IIC=3 | -Brief animal/ environment considerations and their likely locations. -Verify environmental protected areas via environmental map. | IID=4 | -During OpOrder brief platoon environmental considerations/ markings. -During safety brief animal considerations. -Corpsman present. | -RSO/OIC briefs wildlife concerns and safe practices. -During transit platoon staff ensures vehicles stay clear of environmentally protected areas. |
| Phases II/III | Weather impeding training | -Sea State above sea state 3. -High winds, lightning. | IID=4 | -OIC/RSO shifts training exercise if needed to ensure maximum training is met. | IVD=5 | -OIC/RSO monitor any major storms moving in to the AO . -Surf Observation Report conducted in accordance with AAV Common SOP. | -OIC coordinates with S-2 for weather update prior to departing friendly lines. -OIC/RSO ensure proper Surf Observation Report completed. |

ENCLOSURE (43)

HAZARD SEVERITY

I - CATASTROPHIC - Death, permanent disability, major property damage
II - CRITICAL - Permanent partial disability, major system or minor property damage
III - MARGINAL - Minor injury, minor system or property damage
IV - NEGLIGIBLE - 1st aid, minor system repair

MISHAP PROBABILITY

A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY

RISK ASSESSMENT CODE (RAC)

1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL

RAC ASSESSMENT CODE MATRIX

| H A Z A R D S E V E R I T Y | MISHAP PROBABILITY | | | | OIC RSC RSC RSC XO/ S-3: BC: |
|--|--------------------|---|---|---|--|
| | | A | B | C | D |
| | I | 1 | 1 | 2 | 3 |
| | II | 1 | 2 | 3 | 4 |
| | III | 2 | 3 | 4 | 5 |
| | IV | 3 | 4 | 5 | 5 |

COMMAND REVIEW/APPROVAL

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE
(63)

1st Battalion 4th Marines

Training Support Request

CO-EVENT- (V#) INT DATE
(S-3 ONLY)

DATE 6/30/2020 UNIT BRAVO CO SUBMITTED BY

(b)(3), (b)(6), (b)(7)(c)

Scheme of Maneuver/Clarifying Instructions:

SUPPORT REQUEST IS FOR BRAVO COMPANY AAV PLATOON DURING CREW GUNNERY AND COMPANY ATTACKS

S-2 Support Requested

| Type | Quantity | Description |
|-------------------|----------|-------------|
| Maps | | |
| Imagery | | |
| UAS | | |
| Training Packages | | |

S2 COMMENTS

S2

DATE RECEIVED

DATE APPROVED

SIGNATURE

| DETAILS | |
|-------------------------|--|
| Type of Training | AAV CREW GUNNERY AND BRAVO COMPANY ATTACKS |
| Training Areas | R408A, R600 |
| RCNI # | |
| CO-USE REQUIREMENT? Y/N | N |
| Departure Date/Time | 10 JULY 2020/1200 |
| Hot Date/Time | 10 JULY 2020/1600 |
| Cold Date/Time | 12 JULY 2020/0800 |
| OIC | 1STLT MACALEESE / GYSGT LACEA |
| RSO | GYSGT LACEA / SSGT FAJARDO |
| # of Marines Training | 55 |

S3 COMMENTS

S3

DATE RECEIVED

DATE APPROVED

SIGNATURE

Rations (MRE/Hot Chow)

| MARINE | | | | NAVY | | | | TOTAL | ROSTERS |
|---|---------|----------|--------------------|-----------|----------|--------------------|--|--------------|-----------|
| PAX | Officer | Enlisted | Enlisted w/Comrats | Officer | Enlisted | Enlisted w/Comrats | | | Submitted |
| 5's | 1 | 57 | 15 | 0 | 1 | 0 | | 59 | YES |
| Person to Pick-Up Chow | | | | DATE | | | | 21 AREA ARVS | TIME |
| Chow Plan | | | | Breakfast | | | | Lunch | Dinner |
| MRE, UGR-MS, UGR-A (Vat), Box Lunch, Chow | | | | MRE | | | | MRE | MRE |
| Ice (Plan for 5 lbs/Marine) | | | | Y/N | | | | N | |

PORTA JOHN

| PAX | TRAINING AREA LOCATION AND GRID | START DATE | END DATE |
|-----|------------------------------------|------------|-----------|
| 59 | R408A / 11S MS 63190 90469 | 10-Jul-20 | 12-Jul-20 |
| 59 | TA-GOLD BEACH / 11S MS 55543 85183 | 14-Jul-20 | 16-Jul-20 |

S4 COMMENTS

REQUESTING MRE'S (59) DELIVERED AT AAV RAMP BLDG 210577 (11S MS 62449 75683) ON 8 JULY / 1000.
REQUESTING JLT/V WITH DRIVER AND A-DRIVER (ARMORER) FOR SAFETY VEHICLE. SAFETY VIC WILL LINK UP AT R408A ON 10 JULY AT NLT 1500 AND RETURN 12 JULY NLT 0800, UPON COMPLETION OF LIVE FIRE TRAINING. REQUESTING WATER SUPPORT ON R408A FROM 1500 10 JULY TO 0800 12 JULY. REQUESTING (1700) GALS REFUELLER SUPPORT WITH PUMP AT R600 (11S MS 62920 99410) AT 1200 ON 14 JULY.

MEDICAL

| NUMBER OF CORPSMAN | REPORT DATE/TIME/LOCATION | RETURN DATE/TIME | REPORT TO |
|---|---------------------------|------------------|-----------|
| | | | |
| REMARKS: CORPSMAN SUPPORT ORGANIC TO THE PLATOON. REQUESTING SAFETY VIC WITH DRIVER AND ARMORER AS A/DR | | | |

Transportation ('Time' is show-time for vehicles)

| PICKUP | | | | | | RETURN | | | | | |
|---|------|-----|-------|----------|-------------|--------|------|-----|-------|----------|-------------|
| DATE | TIME | PAX | CARGO | LOCATION | DESTINATION | DATE | TIME | PAX | CARGO | LOCATION | DESTINATION |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| TRANSPORTATION PREFERENCES (i.e. bus, van, 7 ton, etc.) | | | | | | | | | | | |

Tactical Vehicle Request

| Vehicle Type | | | Pick-Up | | Return | | Driver Request | | |
|----------------------|--------|-------------|---------|------|--------|------|----------------|-------------|---------------------------------|
| # | # Ammo | Destination | DATE | TIME | DATE | TIME | Driver | Ammo Driver | IF PROVIDING OWN, DRIVER NAME |
| M1123/M1152 Mback | | | | | | | | | |
| M1123/M1165 4Door | | | | | | | | | |
| M1151 UAH | | | | | | | | | |
| M1167 TON Variant | | | | | | | | | |
| MRAP 4K4 | | | | | | | | | |
| M-ATV | | | | | | | | | |
| MRC 140 | | | | | | | | | |
| MRC 145 | | | | | | | | | |
| Ambulance 2 Litter | | | | | | | | | |
| Ambulance 4 Litter | | | | | | | | | |
| 7 Ton (PAX) | | | | | | | | | |
| 7 Ton (CARGO) | | | | | | | | | |
| Trailer | | | | | | | | | |
| JLT/V HIGH BACK | 1 | R408A | 10 JUL | 1500 | 12 JUL | 0800 | 1 | | REQUESTING ARMORER FOR A/DRIVER |
| REFUELER (1700 GALS) | 1 | R600 | 14 JUL | 1200 | 14 JUL | 1600 | 1 | | |
| M105 7Ton Trailer | | | | | | | | | |
| M101/M1102 Trlr | | | | | | | | | |
| M116 Trlr | | | | | | | | | |
| M149 Water Bull | 1 | R408A | 10 JUL | 1500 | 12 JUL | 0800 | 1 | | |

VEHICLES WILL NOT BE DISPATCHED UNLESS PACS ARE COMPLETED FOR THE WEEK

ASAP DRIVER(S) W/ RANK

| | |
|-----------------------|--------------|
| TIME OF DELIVERY | 1500 10 JULY |
| TIME/DATE OF PRESTAGE | |
| TIME/DATE OF PICKUP | 0800 12 JULY |

GUNNER'S APPROVAL

DELIVERY LOCATION R408A 11S MS 65162 91781

DATE RECEIVED

DATE APPROVED

ENCLOSURE (62)

**1st Battalion 4th Marines
Chow Request**

| MARINE ENLISTED WITH MEAL CARDS | | | | | | |
|---------------------------------|------|------|-------|----|-------|------------|
| # | RANK | LAST | FIRST | MI | EDIPY | MEALCARD # |
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(b)(3), (b)(6), (b)(7)(c)

| NAVY ENLISTED WITH MEAL CARDS | | | | | | |
|-------------------------------|------|------|-------|----|-------|------------|
| # | RANK | LAST | FIRST | MI | EDIPY | MEALCARD # |
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| 80 | | | | | | |

| MARINE ENLISTED ON COMBATS | | | | | | |
|----------------------------|------|------|-------|----|-------|---------|
| # | RANK | LAST | FIRST | MI | EDIPY | COMBATS |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
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| 40 | | | | | | |

(b)(3), (b)(6), (b)(7)(c)

| NAVY ENLISTED ON COMBATS | | | | | | |
|--------------------------|------|------|-------|----|-------|---------|
| # | RANK | LAST | FIRST | MI | EDIPY | COMBATS |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
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| 5 | | | | | | |
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(b)(3), (b)(6), (b)(7)(c)

| NAVY ENLISTED ON COMBATS | | | | | | |
|--------------------------|------|------|-------|----|-------|---------|
| # | RANK | LAST | FIRST | MI | EDIPY | COMBATS |
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| MARINE OFFICER ON COMBATS | | | | | | |
|---------------------------|------|------|-------|----|-------|---------|
| # | RANK | LAST | FIRST | MI | EDIPY | COMBATS |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

(b)(3), (b)(6), (b)(7)(c)

| NAVY OFFICER ON COMBATS | | | | | | |
|-------------------------|------|------|-------|----|-------|---------|
| # | RANK | LAST | FIRST | MI | EDIPY | COMBATS |
| 1 | | | | | | |
| 2 | | | | | | |
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| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
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| | |
|---------------------------------|----|
| MARINE ENLISTED WITH MEAL CARDS | 42 |
| MARINE ENLISTED ON COMBATS | 15 |
| NAVY ENLISTED WITH MEAL CARDS | 1 |
| NAVY ENLISTED ON COMBATS | 0 |
| MARINE OFFICER ON COMBATS | 1 |
| NAVY OFFICER ON COMBATS | 0 |
| TOTAL PERSONNEL BEING SUPPORTED | 59 |

| | |
|--------------------------------------|--------|
| TOTAL PERSONNEL BEING SUPPORTED | 59 |
| NUMBER OF MEALS PLANNED PER DAY | 3 |
| NUMBER OF DAYS OF EXERCISE/OPERATION | 4 |
| TOTAL MRE'S NEEDED | 708 |
| TOTAL NUMBER OF CASES NEEDED | 59.0 |
| TOTAL NUMBER OF PALLETS | 1.2 |
| TOTAL WEIGHT OF PALLETS (LBS) | 1127.1 |

ENCLOSURE (63)

Water Calculation DIRECTIONS: Review listed amounts for various weather zones and functions. In the area provided, enter the amount for that function that you wish to use for the calculation per person. NOTE: It is dependent upon the mission if all water usage functions will be used.

| FUNCTION | TEMPERATE ZONE | | TROPICAL ZONE | | ARCTIC ZONE | | ARID ZONE | | DAILY GAL/MAN CALCULATION |
|---------------------------|----------------|---------|---------------|---------|-------------|---------|-----------|---------|------------------------------|
| | Sustain | Minimum | Sustain | Minimum | Sustain | Minimum | Sustain | Minimum | |
| Drinking | 1.5 | 1.5 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| Personal Hygiene | 1.7 | 1 | 1.7 | 1 | 1.7 | 1 | 1.7 | 1 | 1 |
| Field Feeding | 2.8 | 0.8 | 2.8 | 0.8 | 2.8 | 0.8 | 2.8 | 0.8 | 0.8 |
| Heat Casualty Treatment | 0 | 0 | 0.2 | 0.2 | 0 | 0 | 0.2 | 0.2 | 0.2 |
| Level 1 Medical Treatment | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Level 2 Medical Treatment | 0.7 | 0.7 | 0.9 | 0.9 | 0.7 | 0.7 | 2.8 | 2.8 | 0.7 |
| Centralized Hygiene | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 0 | 0 |
| Vehicle Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 0 |
| Aircraft Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 0 |
| Laundry | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 0 | 0 |
| Subtotal | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | 6.1 |
| +10% Waste | 0.7 | 0.4 | 0.9 | 0.6 | 0.8 | 0.5 | 1.7 | 0.9 | 0.61 |
| Total | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | 6.71 |

| | |
|---|------|
| DAILY GALLONS PER MAN FOR EXERCISE/OPERATION: | 6.71 |
| ENTER NUMBER OF PERSONNEL SUPPORTED: | 59 |
| ENTER NUMBER OF DAYS FOR EXERCISE/OPERATION: | 3 |

| | |
|------------------|---------|
| DAILY WATER REQ: | 395.89 |
| TOTAL WATER REQ: | 1187.67 |

HELPFUL INFORMATION: (6) 5-GALLON IGLOO WATER COOLERS WILL BE FILLED PRIOR TO DEPARTING 21 AREA. COOLERS ARE INTERNAL TO PLT.

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A - COMPANY B

| | | |
|----------------------------|----------|-------------|
| DATE(S): 20200710-20200712 | TIME(S): | TRACKING #: |
|----------------------------|----------|-------------|

| | | | |
|------------------------------------|--------------------------|------------------|--------------------|
| UNIT: BLT 1/4, B CO, AAV PLT | OPORD: Crew DFGT I-VI | DTG: 20200701 | LOCATION: R408A |
|------------------------------------|--------------------------|------------------|--------------------|

SUBJ: AAV PLATOON DIRECT FIRE GUNNERY TABLES I-VI

| | |
|------|--|
| REF: | (A) MAP: CAMP PENDLETON 1:50,000 AMES SERIES V795S, SHEET IV (B) MCTP 3-10C (EMPLOYMENT OF AMPHIBIOUS ASSAULT VEHICLES) (C) NAVMC 3500.2 (AAV TRAINING AND READINESS MANUAL) (D) MARINE CORPS ORDER 3570.1C RANGE SAFETY (E) DA PAM 385-63 (F) USMC RANGE SAFETY POCKET GUIDE VERSION 2.3 (G) MCIWEST- MARINE CORPS BASE CAMP PENDLETON ENVIRONMENTAL OPERATIONS MAP |
|------|--|

TASK ORGANIZATION: B CO AAV PLATOON; FIRST SECTION, SECOND SECTION, THIRD SECTION, AND COMMAND SECTION.

- SITUATION:** AAV PLATOON IS PREPARING TO CONDUCT DIRECT FIRE GUNNERY TABLES (DFGT) I THROUGH VI LIVE-FIRE EVALUATION AT RANGE 408A AT CAMP PENDLETON FROM 10-12 JULY. DUE TO THE PRE DEPLOYMENT TRAINING PLAN (PTP) REQUIREMENTS FOR THE 15TH MEU, IT IS ESSENTIAL THAT AAV PLATOON IS 100% QUALIFIED UP TO DFGT VI.
- MISSION:** FROM 10-12 JULY AAV PLATOON BRAVO COMPANY EXECUTES DFGT I-VI AT R408A IOT ENHANCE PROFICIENCY OF CREW LEVEL GUNNERY TO SUPPORT FUTURE EXERCISES AS PART OF BATTALION LANDING TEAM (BLT) 1/4.

- EXECUTION:**
 - COMMANDER'S INTENT.**
 - PURPOSE.** THE PURPOSE OF THIS EXERCISE IS TO EVALUATE AND ENHANCE GUNNERY TRAINING AT THE CREW LEVEL THROUGH DFGT VI.
 - METHOD.** THIS TRAINING WILL BE ACCOMPLISHED THROUGH INSTRUCTION, PRACTICAL APPLICATION, AND EVALUATION VIA THE 3D AABN MARKSMANSHIP TRAINING UNIT (MTU) PRIOR TO THE PLATOON CONDUCTING DFGT I-VI. EACH CREW WILL HAVE BEEN QUALIFIED THROUGH TABLE THE TURRET TRAINER BEFORE MOVING TO CREW GUNNERY. THE MTU WILL BE EVALUATING WITH THE 3D AABN BATTALION MASTER GUNNER.
 - END STATE.** ALL AAV CREWS QUALIFIED ON DFGT I-VI. AAV PLATOON IS PREPARED FOR FUTURE GUNNERY OPERATIONS AS PART OF BLT 1/4.
 - CONCEPT OF OPERATIONS.** THIS IS A FOUR PHASE OPERATION (PHASE I-VI). PHASE I WILL BE THE PREPARATION PHASE AND WILL CONSIST OF ALL NECESSARY VEHICLE, GEAR, AND PERSONNEL PREPARATIONS PRIOR TO DEPARTURE FOR THE RANGE. PHASE II WILL CONSIST OF A MOVEMENT TO R408 ON 11 JULY. PHASE III STAGE A WILL BE THE EXECUTION PHASE ON 10 TO 12 JULY, CONSISTING OF RANGE SETUP, DFGT'S I-VI, AND RANGE BREAKDOWN. PHASE III STAGE B WILL BE THE EXECUTION PHASE ON 12-14 JULY CONSISTING OF COMPANY ATTACKS AT RANGE 600. PHASE IV WILL CONSIST OF THE RETROGRADE TO GOLD BEACH.

- PHASE I: PREPARATION PHASE. 25 JUNE-09 JULY.** PHASE I HAS ALREADY BEGAN WITH FIELD AND ADMINISTRATION PREPARATIONS TO CONDUCT TABLES I-VI. ADMINISTRATIVE PREPARATION CONSISTS OF CLASSROOM INSTRUCTION ON OFFENSIVE AND DEFENSIVE TACTICS, CREW/SECTION LEVEL GUNNERY REHEARSALS, AND THE CONDUCT OF A TACTICAL DECISION GAME AT THE SECTION LEVEL. FIELD PREPARATION WILL INCLUDE PRE-OPERATIONS CHECKS COMPLETED, WEAPONS HANDLING, GEAR INSPECTION. COMMUNICATIONS PREPARATION. AND BORE SIGHTING. ONCE

| | | |
|--------------------------------|---------------------------------|---------------------------------|
| SIGNATURE/DATE | OK (b)(3), (b)(6), (b)(7)(c) | GUNNER |
| C (b)(3), (b)(6), (b)(7)(c) | S-3/A | BN (b)(3), (b)(6), (b)(7)(c) |

ENCLOSURE (2)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

TIME(S):

TRACKING #:

BOTH ADMINISTRATION AND FIELD PREPARATIONS ARE COMPLETE, THE PLATOON WILL BE GIVEN AN OPERATIONS ORDER ON 09 JULY FOR A MOVEMENT TO CONTACT TO R408A FOLLOWED BY BACK-BRIEFS AND REHEARSAL OF CONCEPT (ROC) WALKS. THIS PHASE ENDS ONCE THE NECESSARY CREWS ARE PRE LIVE-FIRE QUALIFIED.

(2) PHASE II: STAGING AND MOVEMENT PHASE. 10 JULY. THIS STAGE BEGINS WITH ALL MARINES AND EQUIPMENT ACCOUNTED FOR AND PREPARED TO CONDUCT MOVEMENT. DURING THIS PHASE, SECTION LEADERS WILL ENSURE ALL MARINES AND EQUIPMENT ARE ACCOUNTED FOR BY CONDUCTING COUNTS BEFORE AND AFTER ALL MOVEMENTS. THE PLATOON WILL CONDUCT ITS MOVEMENT FROM THE 3D AABN RAMP TO R408A. THIS PHASE ENDS WITH THE AAV PLATOON OCCUPYING R408A ON 10 JULY AND IS PREPARED TO CONDUCT DFGT I-VI.

(3) PHASE III: EXECUTION PHASE. THIS PHASE IS BROKEN DOWN INTO TWO STAGES. STAGE A IS AT R408A CONDUCTING DFGT I-VI DAY AND NIGHT. STAGE B IS AT R600 CONDUCTING COMPANY ATTACKS.

(A) STAGE A. 10-12 JULY. THIS STAGE BEGINS WITH THE PLATOON IMMEDIATELY BEGINNING RANGE SET-UP AND PREPARATIONS FOR THE CONDUCT OF DFGT I-VI. PREPARATIONS WILL INCLUDE MINOR BORESIGHTING ADJUSTMENTS, VERIFICATION OF HEADSPACE AND TIMING, COMMUNICATION CHECKS, ZEROING THE UP GUNNED WEAPONS STATION (UGWS), AND WEAPONS PREPARED FOR LIVE FIRING. RANGE SET UP WILL INCLUDE VERIFICATION OF ENGAGEMENT AREAS, LEFT AND RIGHT LATERAL LIMITS IDENTIFIED BY OIC/RSO, TARGET LOCATIONS, VERIFYING CONDITION STAKES, AND AMMUNITION ISSUE POINT ESTABLISHED. WHILE THE RANGE IS BEING SET UP, A TERRAIN MODEL WILL BE PREPARED FOR ADDITIONAL BRIEFS AND REHEARSALS. ONCE SET UP IS COMPLETE, ALL MARINES INVOLVED WILL RECEIVE A SAFETY BRIEF AND OPERATIONAL RISK MANAGEMENT REVIEW PRIOR TO THE START OF THE TABLES. AFTER THE SAFETY BRIEF ONE CREW AT A TIME WILL CONDUCT THEIR DFGT I-VI. NO MORE THAN 6 AAV P7s WILL BE LOCATED ON THE STATIC FIRING LINE. WHILE ONE CREW IS SHOOTING THE OTHER 5 CREWS WILL BE STANDING BY IN THEIR VEHICLES WITH WEAPONS IN CONDITION 4 WAITING TO CONDUCT THEIR TABLES. THIS STAGE ENDS ONCE LONG RIFLE HAS COME AND INSPECTED THE RANGE.

(B) STAGE B. 12-14 JULY. THIS STAGE BEGINS WITH ALL MARINES AND EQUIPMENT ACCOUNTED FOR AND PREPARED TO CONDUCT MOVEMENT. THE PLATOON WILL CONDUCT ITS MOVEMENT FROM THE R408A to R600. THE PLATOON WILL THEN LINK UP WITH BRAVO COMPANY AND CONDUCT COMPANY ATTACKS. THIS PHASE ENDS WITH CLEARANCE FROM RANGE CONTROL TO BEGIN RETROGRADE FROM R600 TO 3D AABN RAMP.

(4) PHASE IV: RETROGRADE PHASE. 14 JULY. THIS PHASE BEGINS WITH CLEARANCE FROM RANGE CONTROL TO BEGIN RETROGRADE FROM R600 TO GOLD BEACH. THE PLATOON WILL TRAVEL IN A TACTICAL COLUMN ALONG THE SAME ROUTE BACK TO GOLD BEACH. ROAD CROSSING WILL BE CONDUCTED IN THE SAME MANNER AS THE TRANSIT OUT AND THE PLATOON WILL CONDUCT A MAINTENANCE HALT ARMOR COIL IN THE TANGO TRAINING AREA. THIS PHASE ENDS PLATOON OCCUPIES GOLD BEACH.

C. TASKS

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| OIC | <p>T1: ENSURE YOU HAVE PRIOR APPROVAL OF ALL TRAINING ON THE RANGE.</p> <p>P2: IOT MAINTAIN POSITIVE CONTROL OF ALL TRAINING, AS YOU ARE DIRECTLY RESPONSIBLE FOR EVERYTHING THAT TAKES PLACE.</p> <p>T2: CONDUCT A RANGE WALK WITH ALL SECTION LEADERS AND VEHICLE COMMANDERS.</p> <p>P2: IOT ENSURE THAT ALL KEY PERSONNEL UNDERSTAND THE ROUTE, FIRING LINES, AND TARGETS TO BE ENGAGED BOTH DURING THE DAY AND NIGHT PORTION OF DFGT'S.</p> |
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| SIGNATURE/DATE | OIC | RSO | GUNNER |
| CO CMDR | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A - COMPANY B

| | | |
|----------------------------|----------|-------------|
| DATE(S): 20200710-20200712 | TIME(S): | TRACKING #: |
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| | <p>T3: CONDUCT LINK-UP AND COORDINATION WITH RANGE CONTROL PRIOR TO CONDUCT OF RANGE.</p> <p>P3: IOT TO ENSURE THAT ALL RANGE RULES AND REGULATIONS ARE ADHERED TO.</p> |
| RSO | <p>T1: ENSURE SAFE CONDUCT OF DFGT THROUGH DILIGENT AND INTRUSIVE OVER-WATCH OF ANYTHING RELATED TO RANGE SAFETY.</p> <p>P1: IOT TO PREVENT ANY UNSAFE ACTIONS FROM TAKING PLACE.</p> <p>T2: WHEN PERFORMING DUTIES AS RSO FOCUS SOLELY ON RANGE SAFETY AND RSO-RELATED TASKS.</p> <p>P2: TO ENSURE A SAFE RANGE.</p> <p>T1: ENSURE ALL WEAPONS ARE PROPERLY HEADSPACED AND TIMED.</p> <p>P2: TO PREVENT ANY INJURIES TO GUNNER'S OR DAMAGE TO WEAPONS.</p> <p>T1: ENSURE ALL GATES ARE LOCKED ACCORDING TO RANGE REGULATIONS.</p> <p>P2: IOT PREVENT ANY NON-AUTHORIZED PERSONNEL FROM ENTERING THE TRAINING AREA DURING THE CONDUCT OF GUNNERY TABLES.</p> |
| PSOS | <p>T1: ENSURE SAFE OPERATION OF BOTH WEAPON SYSTEMS THROUGHOUT THE CONDUCT OF TABLES VI.</p> <p>P1: IOT PREVENT ANY UNSAFE WEAPONS OPERATION FROM TAKING PLACE BEFORE, DURING, AND AFTER DFGT VI.</p> <p>T2: ENSURE YOUR VEHICLE COMMANDER IS ENGAGING TARGETS WITHIN THE LEFT AND RIGHT LATERAL LIMITS.</p> <p>P2: IOT PREVENT ANY INJURIES FROM FIRING OUTSIDE THE LIMITS.</p> <p>T3: ONCE FIRING IS COMPLETE ENSURE BOTH WEAPONS ARE CONDITION FOUR.</p> <p>T4: TO PREVENT INJURY OR DAMAGE FROM A NEGLIGENT DISCHARGE WHILE IN TRANSIT BACK TO THE AA.</p> |
| PLATOON SERGEANT | <p>T1: COORDINATE WITH ALL LOGISTICAL AND OPERATIONS SOURCES.</p> <p>P1: IOT ENSURE ALL REQUIREMENTS TO CONDUCT THIS RANGE ARE IN PLACE TO INCLUDE BUT NOT LIMITED TO, CHOW, WATER, FUEL, COMMUNICATION ASSETS, AMMO, SAFETY VEHICLES AND RE-SUPPLY, AND MAINTENANCE CONTACT TEAM.</p> <p>T2: ENSURE ALL PRE AND POST-OP CHECKS ARE CONDUCTED ACCORDING TO SOP.</p> <p>P2: IOT SET CONDITIONS FOR SAFE LAND OPERATIONS.</p> <p>T3: CREATE AN EQUIPMENT DENSITY LIST OF ALL THE PLATOON SERIALIZED GEAR.</p> <p>P3: IOT MAINTAIN ACCOUNTABILITY OF ALL SERIALIZED GEAR FOR THE DURATION OF THE EXERCISE.</p> <p>T4: SUPERVISE ALL MAINTENANCE, RECOVERY, AND CASUALTY EVACUATION.</p> <p>P4: IOT ENSURE COMPLIANCE WITH APPROPRIATE PROCEDURES.</p> <p>T5: COMMUNICATE WITH RANGE CONTROL.</p> <p>P5: IOT TO ENSURE TRAINING IS CONDUCTED SAFELY IN ACCORDANCE WITH SOPs.</p> <p>T6: SUPERVISE ALL PARTS OF THE EXERCISE.</p> <p>T7: IOT ENSURE SAFE AND EFFECTIVE TRAINING, BPT TO SERVE AS OIC, CONDUCT AN RSO CHANGEOVER, OR SERVE AS A TACTICAL EVALUATOR FOR DFGT'S.</p> |
| SECTION LEADERS | <p>T1: CONDUCT GEAR INSPECTION NLT 09 JULY.</p> <p>P1: IOT CONFIRM GEAR ACCOUNTABILITY AND UNIFORMITY.</p> <p>T2: ENSURE DFGT PREREQUISITES ARE COMPLETE PRIOR TO THE RANGE BEING CONDUCTED PROPERLY AND ALL MARINES HAVE A CLEAR UNDERSTANDING OF WHAT IS BEING TAUGHT.</p> <p>P2: IOT ENSURE SAFETY AND EFFICIENCY WHILE CONDUCTING DFGT I-VI.</p> <p>T3: INFORM PLATOON SERGEANT OF ALL MAINTENANCE AND READINESS ISSUES.</p> <p>P3: IOT MAINTAIN ACCOUNTABILITY OF VEHICLES AND PERSONNEL.</p> |
| CORPSMAN | <p>T1: INVENTORY MEDICAL SUPPLIES THAT ARE BEING BROUGHT TO THE FIELD.</p> |

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| SIGNATURE/DATE | OIC | RSO | GUNNER |
| CO CMDR | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

TIME(S):

TRACKING #:

| | |
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| | <p>P1: IOT ENSURE THAT THE EQUIPMENT ALLOWS PROPER AID FOR ALL POTENTIAL INJURIES AT R408A.</p> <p>T2: COORDINATE WITH RANGE CONTROL IN THE EVENT OF CASUALTY.</p> <p>P2: IOT ALLOW PLATOON STAFF TO APPROPRIATELY TRACK, REPORT, AND FOLLOW UP ON CASUALTY.</p> <p>T3: PLAN GROUND MEDEVAC ROUTES FROM TO HIGHER ECHELON OF MEDICAL CARE.</p> <p>P3: IOT ELIMINATE WASTED TIME IN TRANSPORTING CASUALTY TO MEDICAL CARE.</p> |
| COMM CHIEF | <p>T1: NLT 09 JULY ENSURE ALL VEHICLE'S COMMUNICATION EQUIPMENT HAS BEEN INSPECTED, EVALUATED, AND ARE OPERATIONAL.</p> <p>P1: IOT FACILITATE COMMUNICATIONS DURING TRAINING THROUGHOUT TRAINING EXERCISE.</p> <p>T2: NLT 09 JULY SUPERVISE PREPARATION AND OPERATION OF PLATOON COMMUNICATION ASSETS.</p> <p>P2: IOT ENSURE PROPER LOADING OF CRYPTOGRAPHIC INFORMATION ENSURING ALL COMMUNICATION SECURITY PROCEDURES ARE BEING FOLLOWED.</p> <p>T3: ENSURE EACH AAV CAN ESTABLISH COMMUNICATIONS WITH THE MASTER GUNNER FROM THE TURRET.</p> <p>P3: IOT ENSURE THE SAFE CONDUCT AND EXECUTION OF COMMANDS.</p> <p>T4: ESTABLISH COMMUNICATIONS WITH BATTALION.</p> <p>P4: IOT TO SEND SITUATIONAL REPORTS AND LOGISTICAL REQUESTS AS REQUIRED.</p> |
| MAIN CHIEF | <p>T1: ENSURE ALL VEHICLES ARE PROPERLY PREPARED FOR FIELD TRAINING TO INCLUDE ANNOTATION AND RECONCILIATION OF ALL DISCREPANCIES.</p> <p>P1: IOT ENSURE VEHICLES ARE READY FOR CONDUCT OF DFGT VI.</p> <p>T2: ASSEMBLE AND MAINTAIN A DSI FOR THE EXERCISE.</p> <p>P2: IOT ENSURE MAINTENANCE CAN BE CONDUCTED IN THE FIELD TO COMPLETE DFGT.</p> |

D. COORDINATING INSTRUCTIONS

(1) REQUIRED FACILITIES. R408A

(2) OIC

(b)(3), (b)(6), (b)(7)(c)

(3) RSC

(4) PSO. EACH UGWS WILL HAVE AN ASSIGNED POSITION SAFETY OFFICER IN THE VEHICLE TROOP COMMANDER HATCH DURING THE CONDUCT OF LIVE FIRE AND MANEUVER. THE PLATOON WILL HAVE 5 VEHICLE CREW EVALUATORS (VCE) CERTIFIED BY THE BATTALION MASTER GUNNER. AS NECESSARY, PSO'S MAY BE EXPERIENCED SNCO'S OR VEHICLE COMMANDERS.

(5) TIMELINE. 10 JULY 2020 - 14 JULY 2020.

10 JULY (MAIN BODY)

0600 REVILLE

0700 PRE OPS

0800 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED

1200 MOVEMENT FROM RAMP TO R408A

1500 PLATOON OCCUPIES R408A

1530 SAFETY BRIEF IS GIVEN

1600 ZERO

1630 CREW DAY GUNNERY

1930 NIGHT SAFETY BRIEF

2000 NIGHT CREW GUNNERY

2359 RANGE COLD

| SIGNATURE/DATE | OIC | RSO | GUNNER |
|----------------|-------|-----|---------|
| CO CMDR | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

TIME(S):

TRACKING #:

11 JULY (RBE)

0600 REVILLE
0700 PRE OPS
0800 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED
0900 MOVEMENT FROM RAMP TO R408A
1000 Link up with rest of platoon.

11 JULY (MAIN BODY)

0600 REVEILLE
0700 SAFETY BRIEF
0800 DAY CREW GUNNERY
1900 NIGHT SAFETY BRIEF
2000 NIGHT CREW GUNNERY
2359 RANGE COLD

12 JULY

0600 REVEILLE
0700 Range cleanup
1000 Movement to R600
1100 Link up with B CO

13 JULY

0600-COMPLETION COMPANY ATTACKS

14 JULY

0600-1500 COMPANY ATTACKS
1500 MOVEMENT TO GOLD BEACH
1600 OCCUPY GOLD BEACH

(6) TACTICAL CONTROL MEASURES (TCMS) / POINTS OF INTEREST

| TCM (PRIMARY NUMBERED, ALTERNATE LETTER) | LOCATION |
|--|------------------|
| LOD (3D AABN RAMP) | 11S MS 6280 7560 |
| CP-1 (LCAC TOWER) | 11S MS 5922 7995 |
| CP-2 (WARRIORS COVE) | 11S MS 5570 8488 |
| CP-3 (HOLE IN THE WALL) | 11S MS 5509 8632 |
| CP-4 (LAS PULGAS CROSSING) | 11S MS 5763 8501 |
| CP-5 (BASILONE ROAD CROSSING) | 11S MS 6246 8987 |
| R408A | 11S MS 6654 9188 |
| CP-9 | 11S MS 6342 9182 |
| CP-10 | 11S MS 6709 9332 |
| CP-11 | 11S MS 6645 9604 |
| CP-12 | 11S MS 5413 9853 |
| R600 | 11S MT 5530 0325 |
| POINTS OF INTEREST | LOCATION |
| AXP-1 | 11S MS 5763 8501 |
| AXP-2 | 11S MS 6246 8989 |
| 21 AREA BAS | 11S MS 6300 7600 |
| 53 AREA BAS | 11S MS 5533 9320 |
| 43 AREA BAS | 11S MS 6190 8980 |

| SIGNATURE/DATE | OIC | RSO | GUNNER |
|----------------|-------|-----|---------|
| CO CMDR | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

TIME(S):

TRACKING #:

| | |
|----------------|------------------|
| LZ BUZZARD | 11S MT 6150 0070 |
| LZ CANARY | 11S MT 6270 0045 |
| LZ BLUEBIRD | 11S MS 6290 9965 |
| LZ STARLING | 11S MS 6210 9120 |
| NAVAL HOSPITAL | 11S MS 6360 7610 |

(7) RATE(S) OF MARCH AND DISPERSION. 20 MPH IN TRAINING AREAS WITH 50-75 METER DISPERSION. IN LOW LIGHT CONDITIONS, 15 MPH AND 50-75 METER DISPERSION. WHITE LIGHT WILL BE UTILIZED IN LOW LIGHT CONDITIONS AT ROAD CROSSINGS. 5 MPH IN CONGESTED AREAS WHILE UTILIZING GROUND GUIDES.

(8) NO COMMUNICATION PLAN

A. PHASE I. NOT APPLICABLE

B. PHASE II/IV MOVEMENT TO AND FROM RANGE. IF COMMUNICATION IS LOST DURING THE PLATOON MOVEMENT THEY WILL UTILIZE HAND AND ARM SIGNALS OR A MESSENGER. THE VEHICLE WILL CONTINUE TO TRY TO RE-ESTABLISH COMMUNICATION DURING THE MOVEMENT. WHILE IN A PLATOON COLUMN, THE PLATOON WILL CONTINUE TO MOVE AS LONG AS THE FRIST AND LAST VEHICLE HAVE COMMUNICATIONS WITH THE PLATOON COMMANDER OR PLATOON SERGEANT. IF COMMUNICATION LOST BETWEEN THESE THREE VEHICLES THE PLATOON WILL HALT FOR NO LONGER THAN 10 MINUTES AND RE-ESTABLISH COMM. IF IT CANNOT BE RE-ESTABLISHED THEN THE PLATOON WILL CONTINUE THEIR MOVEMENT WITH THE 1ST SECTION LEADER TAKING TACTICAL CONTROL WHILE THE PLATOON COMMANDER TRIES TO RE-ESTABLISH COMM WHILE MOVING. RANGE FLAGS WILL BE UTILIZED TO PASS THE COMMUNICATION STATUS OF THE VEHICLE TO THOSE AROUND IT. GREEN WILL MEAN "HEAR BUT CANNOT SPEAK", YELLOW WILL MEAN "CANNOT HEAR OR SPEAK" AND RED MEANS EMERGENCY IN THE VEHICLE AND NEED ASSISTANCE. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE, TRAINING WILL CEASE AND COMMUNICATION WILL BE REESTABLISHED.

C. PHASE III CONDUCT OF RANGE. WHILE CONDUCTING LIVE FIRE THE VEHICLE COMMANDER WILL HAVE POSITIVE COMMUNICATION WITH THE BATTALION MASTER GUNNER AND THE VEHICLES FIRING VIA PLATOON TAC BY USING THEIR VEHICLE RADIO SETS. IF COMMUNICATION GOES DOWN TRAINING WILL CEASE UNTIL IT IS REESTABLISHED. IF AT ANYTIME COMMUNICATION IS LOST BETWEEN THE VEHICLE COMMANDER, DRIVER, AND PSO IN THE TROOP COMMANDER'S HATCH TRAINING WILL CEASE AND INTERCOM WILL BE ESTABLISHED INTERNAL TO THE VEHICLE. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE TRAINING WILL CEASE AND COMMUNICATION WILL BE REESTABLISHED.

(9) LOST MARINE PLAN. IF A MARINE HAS BEEN IDENTIFIED AS MISSING, ALL MOVEMENT AND TRAINING WILL CEASE AND THE PLATOON WILL GAIN ACCOUNTABILITY OF ALL PERSONNEL AND EQUIPMENT BEFORE BACKTRACKING THE PREVIOUS ROUTE UNTIL THE MARINE IS FOUND. ACCOUNTABILITY WILL BE MAINTAINED BY CONDUCTING CHECKS BEFORE AND AFTER ANY MOVEMENT. ALL MARINES WILL INFORM THEIR CHAIN OF COMMAND WHEN THEY LEAVE THE IMMEDIATE AREA OF THE PLATOON. THEY WILL TRAVEL IN PAIRS AND NEVER MOVE MORE THAN 50M AWAY FROM THE PLATOON. ALL MARINES WILL CARRY A WATER SOURCE WHEN STEPPING AWAY FROM THE VEHICLE. WHILE MOVING TO AND FROM THE RANGE. DURING PHASE I AND VI, IF A MARINE BECOMES LOST THEY WILL REMAIN IN PLACE FOR 2 HOURS AND THEN BACKTRACK TO THE NEAREST MAIN SUPPLY ROUTE (MSR) WITHIN 1KM. THE MARINES WILL BE BRIEFED ALONG THE ROUTE THEIR POSITION IN

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ENCLOSURE (2)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

TIME(S):

TRACKING #:

RELATION TO LAS PULGAS ROAD AS WELL AS BASILONE DRIVE. ONCE THEY ARRIVE AT ONE OF THESE ROADS IF ABLE TO FLAG DOWN A PASSING VEHICLE WILL ENSURE CONTACT WITH PLATOON. DURING THE CONDUCT OF TABLE VI IF THEY BECOME LOST THEY WILL HOLD IN PLACE AND NOT TRAVEL INTO THE ENGAGEMENT AREA.

(10) GO/NO GO CRITERIA

- A. CORPSMAN PRESENT AND PREPARED FOR CONDUCT OF EXERCISE.
- B. MAINTAIN POSITIVE COMMUNICATIONS WITH LONG RIFLE.
- C. IMPROPER DODIC'S DELIVERED TO TRAINING AREA.
- D. LESS THAN SIX AAVP7'S OPERATIONAL TO CONDUCT DFGT I-VI.

(11) ORDER OF MARCH. VEHICLES WILL MOVE SECTION ORDER NUMERICALLY 1ST SECTION, 2ND SECTION, 3RD SECTION.

(12) ROAD CROSSING. AT A ROAD CROSSING, THE PLATOON WILL HALT IN A HERRINGBONE FORMATION WHEN TERRAIN ALLOWS MAINTAINING A DEFENSIVE POSTURE. WHILE THE PLATOON SERGEANT MOVES TO THE FRONT OF THE FORMATION. HE WILL THEN DROP OFF TWO ROAD GUARDS WITH REFLECTIVE VESTS AND BROOMS. ROAD GUARDS WILL HAVE FLASHLIGHTS FOR NIGHT CROSSINGS. ROAD GUARDS WILL BE BRIEFED TO MOVE OUT OF THE WAY IF ONCOMING TRAFFIC APPEARS TO NOT BE STOPPING. ONCE THE ROAD GUARDS ARE SET, THE PLATOON WILL CROSS THE ROAD. WHEN ALL VEHICLES HAVE CROSSED, THE ROAD GUARDS WILL SWEEP DEBRIS OFF THE ROAD, AND THEN GET BACK IN THE PLATOON SERGEANT'S VEHICLE.

(13) VEHICLE RECOVERY PLAN. 10 MINUTES TO TROUBLESHOOT AND 20 MINUTES TO FIX. PLATOON SERGEANT IS THE PRIMARY RECOVERY TEAM. 3RD SECTION, OR LEAST ENGAGED SECTION IS THE ALTERNATE RECOVERY TEAM. DURING **PHASE II** IF A VEHICLE IS UNABLE TO LEAVE THE RAMP IT WILL BE SECURED WITH ALL WEAPONS AND EDL TRANSFERRED TO THE PLATOON SERGEANTS VEHICLE. ON THE MOVEMENT IF A VEHICLE NEEDS TO BE TOWED THE PLATOON SERGEANT WILL REMAIN PRIMARY TOW VEHICLE WHILE THE REMAINDER OF THE PLATOON FORMS A DEFENSIVE POSTURE TO RECOVER THE DOWNED VEHICLE. IF THE VEHICLE HAS A CATASTROPHIC FAILURE PRIOR TO THE GOLD BEACH HOLE IN THE WALL THE PLATOON SERGEANT WILL TOW THE VEHICLE BACK TO THE RAMP WHILE THE SECTION MAINTAINS A DEFENSIVE POSTURE. ONCE THE PLATOON SERGEANT RETURNS THE DOWN SECTION WILL CONTINUE TO R408A. THE SECTION WILL STAY IN PLACE AND BUMP ACCORDINGLY ONCE THE VEHICLE HAS BEEN RETRIEVED BY THE CONTACT TEAM. IF THE PLATOON SERGEANT VEHICLE NEEDS TO BE RECOVERED, A DEFENSIVE POSTURE WILL BE FORMED TO RECOVER DOWNED VEHICLE BY 3RD SECTION. ALL EFFORTS WILL BE MADE TO REPAIR VEHICLES IN THE FIELD AND MOVE THEM TO THE RANGE. DURING THIS PHASE, THE PLATOON WILL HAVE A MAINTENANCE CONTACT TEAM ON STANDBY. IF A VEHICLE IS DETERMINED TO BE DEADLINED AND NOT REPAIRABLE IN A TIMELY MANNER, THE DOWNED VEHICLE PLUS TWO OTHER VEHICLES WILL REMAIN IN PLACE UNTIL THE CONTACT TEAM ARRIVES. ONCE THE DOWNED VEHICLE HAS BEEN RECOVERED, THE CREW FROM THE DOWNED VEHICLE WILL EXECUTE THE BUMP PLAN AND CONTINUE TO THE RANGE. ALL EDL WILL BE TRANSFERRED AS WELL. DURING **PHASE III** SHOULD A VEHICLE NEED TO BE RECOVERED THE PLATOON SERGEANTS VEHICLE WILL RECOVERY THE VEHICLE AND BRING IT BACK TO R408A WHERE MAINTENANCE WILL BE CONDUCTED TO FIX THE VEHICLE. A VEHICLE FROM ANOTHER SECTION WILL BE USED TO COMPLETE THE GUNNERY TABLE, DURING **PHASE IV** THE VEHICLE WILL BE RECOVERED AND TOWED BACK TO 3D AABN RAMP.

(14) BUMP PLAN. VEHICLE CREW AND EMBARKED PERSONNEL FROM THE DISABLED VEHICLE WILL BUMP TO THE SECTION LEADER'S VEHICLE. IF PLATOON SERGEANT'S VEHICLE IS THE

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ENCLOSURE (48)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

TIME(S):

TRACKING #:

DOWNTOWN VEHICLE, CREW AND EMBARKED PERSONNEL WILL BUMP TO VEHICLE 3-15-11, 3-15-7, 3-15-3.

(15) UNIFORM AND GEAR. ALL MARINES WILL WEAR FIRE RESISTANT ORGANIZATION GEAR (FROG) AND APPROPRIATE PPE.

(16) PPE. PPE WILL BE WORN AT ALL TIMES WHILE CONDUCTING TRAINING. PPE CONSISTS OF KEVLAR/ FROG, EYE PRO, EAR PRO, GLOVES, PLATE CARRIERS. IFAK'S WILL BE WORN OR IN THE MARINES STATION AT ALL TIMES. GAS MASK WILL BE ACCESSIBLE TO BE DONNED AT ANY POINT BY THE MARINE DURING THE EXERCISE. FIELD DISCIPLINE WILL BE MAINTAINED THROUGHOUT THE ENTIRETY OF THE TRAINING.

(17) ADDITIONAL TRAINING GOALS. WHEN MARINES ARE NOT FIRING, PREPARING TO FIRE, OR SUPPORTING THE RANGE THEY WILL BE CONDUCTING SECTION LEVEL REHEARSALS FOR LIVE FIRE AND MANEUVER. IF THE SECTION HAS ALREADY COMPLETED THEIR TABLE THE ASSISTANT SECTION LEADER OR VEHICLE COMMANDERS WILL PREPARE AND BRIEF THEIR SECTION LEADERS ON OFFENSIVE MANEUVER USING THE TERRAIN MODEL. IF ALL DAY FIRE IS COMPLETE AND THE PLATOON NEEDS TO WAIT TO CONDUCT NIGHT FIRE ASSISTANT SECTION LEADERS OR VEHICLE COMMANDERS WILL CONDUCT DRY RUNS TO COMMAND AND CONTROL A SECTION.

(18) WEAPON SYSTEMS. ALL CREW SERVED WEAPONS WILL HAVE LIMITED TECHNICAL INSPECTIONS (LTI)/PRE-FIRE INSPECTIONS (PFI) COMPLETE PRIOR TO CONDUCTING THE RANGE. THE PLATOON SERGEANT WILL HAVE A COPY OF THE LTI/PFI PAPERWORK AND VERIFY ACCURACY BEFORE DEPARTING FOR THE RANGE. BEFORE FIRING BEGINS, HEADSPACE AND TIMING WILL BE RE-INSPECTED BY THE VEHICLE COMMANDER (VC), POSITIONAL SAFETY OFFICER (PSO), AND ARMORER WITH RSO AND OIC OVERSIGHT.

(19) CLEARING PROCEDURES. ONCE CREWS ARE FINISHED FIRING, THEIR WEAPONS WILL BE CLEARED OUT BY THE VC, PSO, THEN RSO ONCE THE MANEUVER IS COMPLETE. ONCE THE WEAPONS ARE CLEAR AND CONDITION FOUR AS PHYSICALLY AND VISUALLY VERIFIED BY ALL THREE INDIVIDUALS, EACH AND EVERY VEHICLE WILL RETURN TO THE PLATOON'S AMMUNITION ISSUE POINT (AIP) AND REMOVE ALL REMAINING LIVE AMMUNITION FROM THE VEHICLE. THE VEHICLE AND PERSONNEL WILL BE LINED OUT BY BOTH THE OIC AND RSO. WEAPONS WILL THEN BE ELEVATED TO 45 DEGREES ONCE LIVE FIRE HAS SEIZED FOR THE TRANSIT BACK TO THE TAA.

(20) AMMUNITION HANDLING AND DUNNAGE. AMMUNITION WILL BE STAGED NO CLOSER THAN 100M FROM ANY OTHER STRUCTURE OR ENCAMPMENT ON PALLETS UNDERNEATH CAMOUFLAGE NETTING. SMOKING IS NOT AUTHORIZED WITHIN 100M OF THE AMMUNITION SUPPLY POINT. AN ARMED WATCH WILL BE POSTED WITH SECURITY AMMUNITION AT ALL TIMES. IN ADDITION TO THE AMMUNITION NCO IN CHARGE OF DISTRIBUTING AMMUNITION. AMMUNITION WILL BE TRACKED BY THE POSTED NCO USING A LOGBOOK AND EXCESSIVE BREAK-OUT WILL BE AVOIDED BY UTILIZING SMALLER QUANTITY LOTS FIRST. ALL SPENT CASINGS WILL BE SORTED THREE TIMES TO ENSURE NO LIVE AMMUNITION IS TURNED IN WITH DUNNAGE. UPON COMPLETION OF THE RANGE, ALL AMMUNITION WILL HAVE BEEN SORTED AND TURNED-IN ALONG WITH THE EXPENDITURE REPORT.

(21) MARKING PLAN

(A) RANGE MARKING PLAN. DURING THE CONDUCT OF PHASE III EACH ENGAGEMENT AREA WILL BE MARKED FOR BOTH DAY AND NIGHT FIRE TRAINING. DURING THE DAY THERE WILL BE MARKING STAKES IN PLACE TO ANNOTATE THE BEGINNING AND END OF EACH ENGAGEMENT AREA. A

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RED FLAG WILL BE NEXT TO THE STAKE INDICATING THE START OF AN ENGAGEMENT AREA AND A GREEN RANGE FLAG WILL INDICATE A THE END OF AN ENGAGEMENT AREA. FOR NIGHT A RED CHEMSTICK WILL INDICATE THE START OF AN ENGAGEMENT AREA AND GREEN CHEMSTICK WILL INDICATE THE END OF AN ENGAGEMENT AREA. BLUE CHEMSTICKS WILL BE USED TO MARK THE ROUTE FOR IN AREAS WHERE THERE IS A STEEP DROP OFF ALONGSIDE THE ROAD. ALL VEHICLE COMMANDERS AND PSOS WILL HAVE A WHITE LIGHT SOURCE TO ENSURE WEAPONS CONDITIONS. CHEMSTICKS WILL BE USED FOR GROUND GUIDING ON AND OFF THE FIRING LINE AT NIGHT. NIGHT CONSIDERATIONS FOR A POTENTIAL AIR CASEVAC WILL INCLUDE CHEMSTICK BUZZ SAW AND NATO-Y.

(B) PERSONNEL MARKING PLAN. THE OIC, RSO, PSO, AND CORPSMAN WILL BE MARKED WITH A WHITE CHEMSTICK DURING ALL NIGHT TRAINING EVOLUTIONS.

(C) VEHICLE MARKING PLAN. VEHICLES WILL BE MARKED SECTION INTERNAL. THE SECTION LEADER WILL HAVE ONE YELLOW CHEMSTICK STARBOARD ANTENNA. THE SECOND VEHICLE IN THE SECTION WILL HAVE TWO YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA. THE THIRD VEHICLE WILL HAVE THREE YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA.

(D) RANGE FLAGS. DURING LIVE FIRE RANGE FLAGS WILL BE UTILIZED TO SHOW THE OIC AND RSO THE STATUS OF THE WEAPONS. ONCE A VEHICLE ENTERS AN ENGAGEMENT AREA THE VEHICLE COMMANDER WILL GO CONDITION ONE. UPON THE END OF AN ENGAGEMENT AREA THE VEHICLE COMMANDER WILL POST A GREEN FLAG SHOWING THE RSO THE WEAPONS ARE CONDITION FOUR. IF THERE IS A MALFUNCTION THAT CANNOT BE CLEARED OR A MISFIRE A YELLOW RANGE FLAG WILL BE POSTED ON THE TURRET. NO VEHICLES WILL DISPLACE FROM THE ENGAGEMENT AREAS UNTIL ALL VEHICLES ARE CONDITION FOUR AND RANGE FLAGS ARE POSTED ON ALL TURRETS.

(22) GATES. TO PREVENT ENTRY INTO THE TRAINING AREA IN ACCORDANCE WITH RANGE REGULATIONS THE PLATOON SERGEANT WILL ENSURE THE PLATOONS LOCKS ARE USED TO SECURE THE GATES. IF GATES ARE NOT LOCKED ROAD GUARDS WILL BE POSTED AND TWO- WAY RADIO COMMUNICATION WILL BE MAINTAINED.

(23) SAFETY DRIVERS AND CORPSMAN. THE SAFETY DRIVER AND CORPSMAN WILL BE LOCATED IN TRACK 3-15-12 AND A JLTV. SAFETY DRIVERS FOR THE AAV AND JLTV WILL BE REQUIRED TO BACK-BRIEF THE RSO THE ROUTE TO THE AMBULANCE EXCHANGE POINT IN CASE OF AN EMERGENCY. IN ADDITION TO A BACK-BRIEF, THE RSO WILL PASS SPECIFIC GUIDANCE THAT THE SAFETY DRIVER IS NO MORE THAN AN ARMS-REACH AWAY FROM THE VEHICLE, THE BACK OF THEIR VEHICLE IS KEPT CLEAR OF EQUIPMENT AND DEBRIS, AND THAT THEY KEEP THEIR PPE STAGED ON THE VEHICLE.

4. ADMINISTRATION AND LOGISTICS

A. ADMINISTRATION

(1) PERSONNEL COUNT (MO/ME/NO/NE). 1/57/0/1 TOTAL 57

(2) VEHICLE COUNT (BY TYPE AND QTY). (13) AAVP7S, (1) AAVC7, (1) AAVR7

(3) SITUATION REPORTING (SITREP). THE PLATOON WILL SEND SITUATION REPORTS TO THE OOD AT THE BATTALION VIA SATCOM JBC-P AT 0600, 1200, 1800, AND 0000 DAILY.

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ENCLOSURE (63)

LETTER OF INSTRUCTION

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(4) ASTRONOMICAL DATA

| DATE | SUNRISE | SUNSET | ILLUMINATION |
|---------|---------|--------|--------------|
| 10 JULY | 05:48 | 20:00 | 73% |
| 11 JULY | 05:49 | 20:00 | 64% |
| 12 JULY | 05:49 | 20:00 | 54% |
| 13 JULY | 05:50 | 19:59 | 44% |
| 14 JULY | 05:51 | 19:59 | 34% |

(5) CASUALTY EVACUATION (CASEVAC) PLAN. IN THE EVENT OF A CASUALTY ALL TRAINING WILL CEASE AND LONGRIFLE WILL IMMEDIATELY BE NOTIFIED WHILE THE CASUALTY IS EVALUATED BY THE CORPSMAN. COMMUNICATION WILL TAKE PLACE USING A NATO 9-LINE AND WILL BE MADE BY THE OIC, RSO, OR PLATOON SERGEANT. DAYTIME LZ'S FOR AIR CASEVAC WILL BE MARKED BY A TACTICAL VEHICLE WITH AIR PANELS AND NIGHT TIME WILL BE USING A CHEMLITE BUZZ SAW. UPON ARRIVAL AT THE RANGE LZ'S WILL BE CLEARED OF ANY FOD. UPON ARRIVAL AT THE RANGE THE LZ'S WILL BE MARKED PRIOR DURING RANGE SET UP. PRIMARY LZ AT R408A WILL BE LZ STARLING.

(A) URGENT AND PRIORITY CASUALTIES. IN THE EVENT OF AN URGENT OR PRIORITY CASUALTY THE CORPSMAN WILL PROVIDE INITIAL EVALUATION AND TREATMENT OF THE INJURED MARINE. LONGRIFLE WILL BE CONTACTED IMMEDIATELY. IN THE CASE OF A GROUND MEDEVAC THE INJURED MARINE WILL BE TRANSPORTED VIA SAFETY VEHICLE TO A HIGHER ECHELON OF MEDICAL CARE. IF EMS IS NOT AVAILABLE THROUGH COORDINATION WITH LONGRIFLE THEY WILL BE TRANSPORTED TO 53, 43 OR 21 AREA BAS VIA THE SAFETY VEHICLE. IF A HIGHER ECHELON OF CARE IS NEEDED THEY WILL BE THE TRANSPORTED DIRECTLY TO THE NAVAL HOSPITAL. IF IT IS DETERMINED AIR CASEVAC IS NECESSARY IT WILL BE COORDINATED THROUGH LONGRIFLE USING ONE OF THE FOUR LZ'S.

(B) ROUTINE CASUALTIES. IF A ROUTINE CASUALTY OCCURS IN ANY OF THE TRAINING AREAS TRAINING WILL CEASE AND LONGRIFLE WILL BE NOTIFIED. THE CORPSMAN WILL PROVIDE INITIAL ASSESSMENT AND TREATMENT. BASED ON THE RECOMMENDATION OF THE CORPSMAN AND THE SEVERITY OF THE INJURY THE OIC/ RSO WILL DETERMINE IF THE MARINE WILL REMAIN IN THE FIELD OR NEEDS TO BE TRANSPORTED BACK TO THE 53/21 AREA BAS.

(5) TRAINING AND READINESS EVENTS SEE ATTACHED T&R EVENTS.

B. LOGISTICS SEE ATACHED TSR

(1) RECOVERY ASSETS. THE PLATOON WILL HAVE FOUR TOW BARS. THE PLATOON SERGEANT'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE PLATOON. THE ASSISTANT SECTION LEADER'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE SECTION.

5. COMMAND AND SIGNAL:

A. COMMAND

(1) POINTS OF CONTACT. PLATOON COMMANDER
PLATOON SERGEANT

(b)(3), (b)(6), (b)(7)(c)

(b)(3), (b)(6), (b)(7)(c)

| SIGNATURE/DATE | OIC | RSO | GUNNER |
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| CO CMDR | S-3/A | S-3 | BN CMDR |

ENCLOSURE (63)

LETTER OF INSTRUCTION

R408A - COMPANY B

DATE(S): 20200710-20200712

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(2) LOCATION OF KEY LEADERS. OIC WILL BE LOCATED IN VEHICLE 3-15-04. PLATOON SERGEANT WILL BE IN VEHICLE 3-15-12 WITH THE CORPSMAN DURING MOVEMENTS. DURING THE CONDUCT OF THE RANGE THE PLATOON COMMANDER WILL BE WITH THE SECTION LEADER. EACH TROOP COMMANDER HATCH WILL HAVE A PSO PRESENT.

B. SIGNAL. EACH DAY, ONCE RANGE PREPARATIONS ARE COMPLETE, THE OIC WILL CONDUCT A RADIO CHECK WITH ALL INVOLVED PARTIES: ROAD GUARDS, PSOS, AMMUNITION ISSUE POINT (AIP), RSO, AND THE BATTALION MASTER GUNNER.

| | PRIMARY | ALTERNATE | CONTINGENCY | EMERGENCY |
|-----------------------------|---------|-----------|--------------------------|----------------------------------|
| RANGE CONTROL - "LONGRIFLE" | (b)(2) | | KEY LEADER CELL PHONE | |
| INTERNAL RANGE COORDINATION | | | BLACK GEAR | PLT TAC 2 NET ID (546) VHF |
| PLATOON | | | BLACK GEAR | |
| BATTALION | | | JBC-P | KEY LEADER CELL PHONE |

| OFFICIAL | COMMANDING |
|---------------------------|------------|
| (b)(3), (b)(6), (b)(7)(c) | |

| SIGNATURE/DATE | OIC | RSO | GUNNER |
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| CO CMDR | S-3/A | S-3 | BI |

(b)(3), (b)(6), (b)(7)(c)

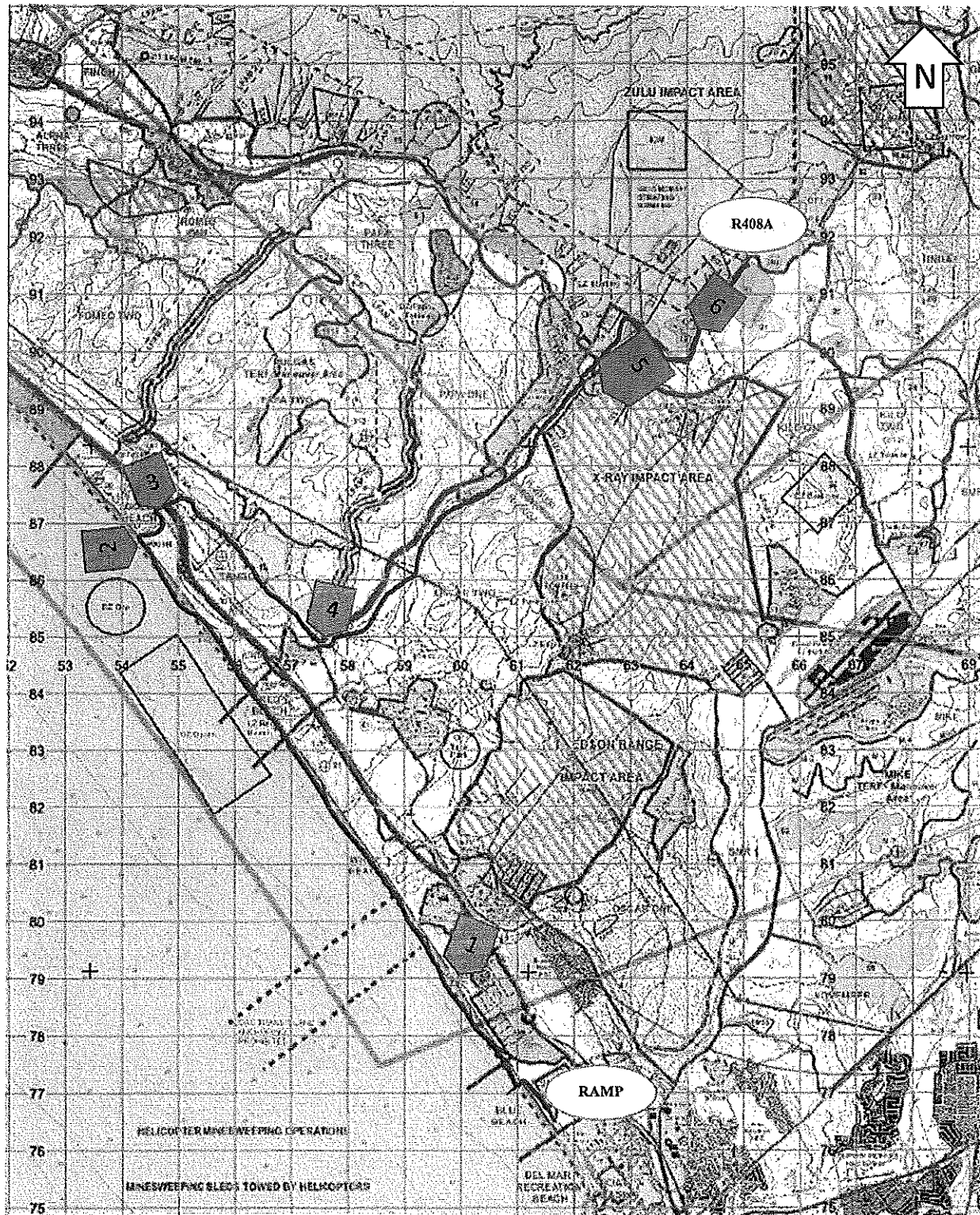
ENCLOSURE (63)

| | | | |
|---|---------------------------------|--------------------------|--|
| DATE 20200710-20200714 | UNIT 1/4 B CO AAV PLT | RANGE/TA R408A | TRAINING TO BE CONDUCTED AAV Direct Fire Gunnery Tables I-VI |
| OIC | | RSO | PERSONNEL 1 MO 57 ME 1 NE |
| (b)(3), (b)(6), (b)(7)(c) | | | |
| MISSION: From 10-14 July B CO AAV Plt will conduct DFGT I-VI in order to (IOT) meet PTP requirements for the 15th MEU. | | | |

| | |
|---------------------------------------|---|
| <p align="center">MAP CHIP</p> | <p align="center">TIMELINE</p> <p>10 JULY (Main Body) 0600 REVILLE 0700 PRE OPS 0800 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED 1200 MOVEMENT FROM RAMP TO R408A 1500 PLATOON OCCUPIES R408A 1530 SAFETY BRIEF IS GIVEN 1600 ZERO 1630 CREW DAY GUNNERY 1930 NIGHT SAFETY BRIEF 2000 NIGHT CREW GUNNERY 2359 RANGE COLD</p> <p>11 JULY (RBE) 0600 REVILLE 0700 PRE OPS 0800 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED 0900 MOVEMENT FROM RAMP TO R408A 1000 Link up with rest of platoon.</p> <p>11 JULY (Main Body) 0600 REVEILLE 0700 SAFETY BRIEF 0800 DAY CREW GUNNERY 1900 NIGHT SAFETY BRIEF 2000 NIGHT CREW GUNNERY 2359 RANGE COLD</p> <p>12 JULY 0600 REVEILLE 0700 Range cleanup 1000 Movement to R600 1100 Link up with B CO</p> |
|---------------------------------------|---|

| | | | |
|---|--|--|--|
| <p>Evaluator/ A.I. Requirements</p> <p>AAV Master Gunners from 3d AABn will be present to evaluate the crew on direct fire gunnery tables I-VI, consisting of day and night static shooting.</p> | <p>TRANSPORT</p> <p>Platoon will self-lift to and from range utilizing 13 AAV P7s, 1 AAV C7, and 1 AAV R7</p> | <p>LOGISTICS</p> <p>Marines will be issued (5) DOS chow/water prior to transport, water jugs will be brought for sustainment.</p> | <p>UNIFORM</p> <p>Frogs with boonie cover, PPE Level 1 (plate carrier w/ front/rear SAPIs, Kevlar, eyepro/earpro)</p> |
| | <p>COMMUNICATION PLAN</p> <p>AAVs will be used as primary, with PRC-117/150s as secondary once the range has been occupied. Comms w/ Longrifle via AAV/PRC-117(SC/PT). Platoon internal safety structure maintained on Mk-153 black gear.</p> | | <p>MEDICAL REQ.</p> <p>(1) Corpsman will be located with safety vehicle 3-15-12. A JLTV with Driver and A driver will also be in support.</p> |

ROUTE-R408A DFGT I-VI



Check Points:

- 1: 11S MS 5922 7995 (LCAC TOWER)
- 2: 11S MS 5570 8488 (WARRIORS COVE)
- 3: 11S MS 5509 8632 (HOLE IN THE WALL)
- 4: 11S MS 5763 8501 (LAS PULGAS CROSS)

- 5: 11S MS 6246 8987 (BASILONE CROSS)
- 6: 11S MS 6654 9188 (R408A)

ENCLOSURE (63)

RANGE SPECIAL INSTRUCTIONS

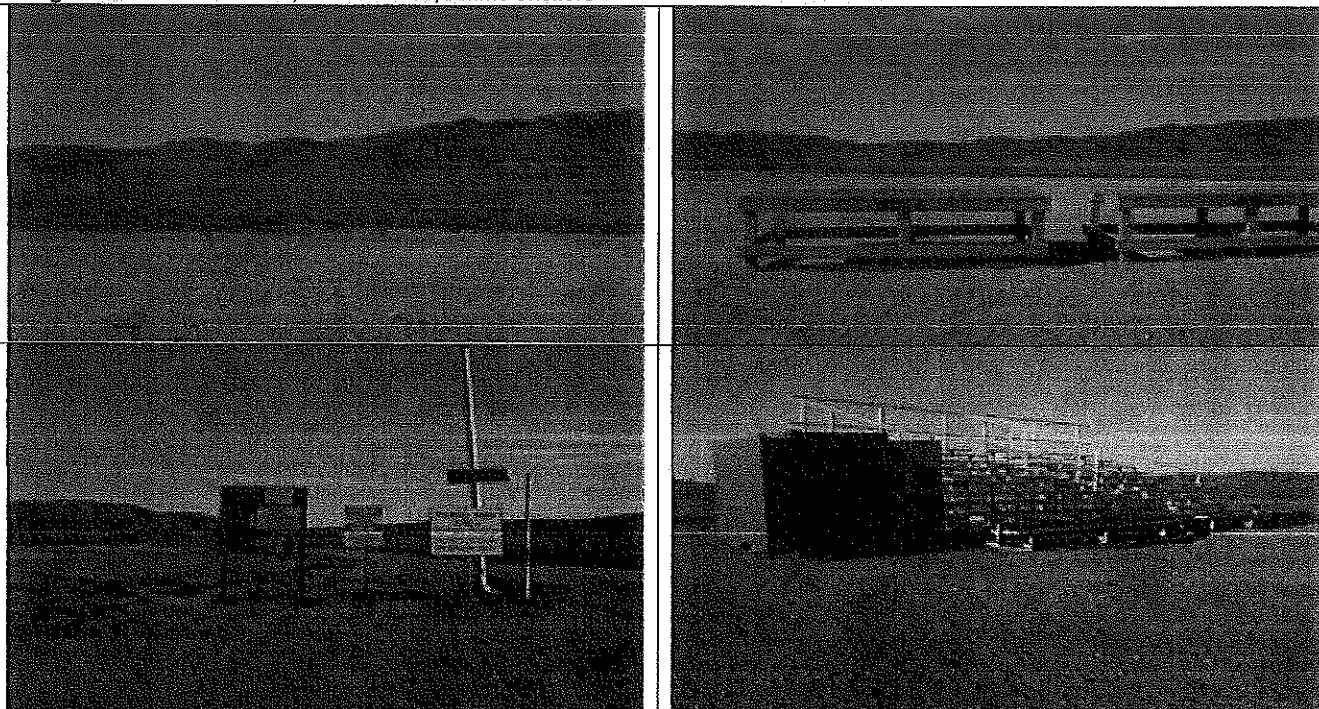
Date Revised – 11 February, 2020

Face to Face is NOT Require Prior to Going Into a Hot Status

| Face to Face is NOT require Prior to Going Into a Hot Status | | | |
|--|---|--|--|
| Range: R-408A | Location: 65229 91667 | Allowable Weapons 155mm - Arty Direct Fire 120mm Main Tank - (TP-T Only) 25mm (TP-T/TPCSDS-T Only) Infantry Rockets - All Carl Gustaf (HE & HEDP Only) TOW – HEAT & Inert Javelin GM Rifles - .50 caliber and below Machineguns - .50 caliber and below No SLAP/SLAP-T Service Shotguns & Service Pistols - (See Scheduling) MK19 – 40mm All 40mm Shoulder Fired Weapons – (See Scheduling) M257 Smoke Grenade Launcher Infantry Mortars - All | Vehicles: 1. Road & River Report Dependent. 2. Maximum of five (5) POVs are Authorized to park in parking lot area with or without a POV pass. 3. POVs are not authorized when Artillery, Mortars, Rockets/Missiles are present. |
| Elevation: 575' AMSL | Impact Area: Zulu/Whiskey | | |
| Troop Penetration: Prohibited | | | |
| Type: Tank & Fighting Vehicles | Engagement Distance: Min – 10 Meters Max – 4,000 meters | | |

THIS IS NOT CONTRACTOR SUPPORTED RANGE

Range Facilities: Bleachers, Ammo tables, Ammo shelters



Scheduling

1. Unit shall utilize RFMSS to schedule range.
2. Scheduling of this range for the firing of shoulder fired 40mm, Infantry Rockets, Service Shotguns or Service Pistols must be done concurrently with heavy weapons.
3. Final scheduling of this facility must be approved by MCB Camp Pendleton Range Scheduling.

Closed To Any Use

Facility May Still Be Used With Restrictions

Facility Must Check Fire All Weapons

| Facility Occupied, or in Training/Live Fire Status | Effects to R-408A |
|--|--|
| A-R220 (W) | C/F 155MM DIRECT FIRE & .50 CAL (A606) |
| A-R220 TACP OP JACOB | C/F 155MM DIRECT FIRE & .50 CAL (A606) |
| A-R220 TACP OP M | C/F 155MM DIRECT FIRE & .50 CAL (A606) |
| A-409A TACP | L/F TOW @R408A CLOSSES 409A TACP |
| A-R440 (Z) | CHECK FIRE |
| A-R440 TACP | CHECK FIRE |
| A-R440 URBAN TACP | CHECK FIRE |
| IMP WHISKEY | C/F 155MM DIRECT FIRE & .50 CAL (A606) |

Special Instructions Continued on Next page

ENCLOSURE (67)

RANGE AND TRAINING REGULATIONS

| Facility Occupied, or in Training/Live Fire Status | Effects to R-408A |
|--|--|
| IMP ZULU | CHECK FIRE |
| R-223B | CHECK FIRE TOW |
| R-408B | CHECK FIRE RKTS, MK19, TOW FOR DWN RNG MVT @R408B |
| R-409A RFA | CHECK FIRE TOW & CARL GUSTAV |
| R-800 | CHECK FIRE 155MM DIRECT FIRE |
| AFA 21 DPICM | CLOSED |
| AFA 30 HIMARS | CLOSED |
| AFA 31 DPICM | CLOSED |

OIC/RSO Requirements

1. A safety Brief shall be conducted prior to each live fire event to all participants.
2. All personnel shall wear required PPE during all training events.
3. Tanks/LAVs/TOW/Artillery/40mm HEDP/Rockets
 - a. OIC Requirement – GySgt or Above
 - b. RSO Requirement –SSgt or Above
4. Small Arms-.50 Caliber & below/40mm TP
 - a. OIC Requirement – SSgt or Above
 - b. RSO Requirement – Sgt or Above
5. No Munitions
 - a. OIC Requirement – None
 - b. RSO Requirement – Cpl or Above
6. LASER (If Used) LRSO Requirement –Sgt or Above
7. Weapons Qualified PSOs
 - a. **Daylight** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **FOUR** Marines.
 - b. **Night** - shall be assigned one to each Crew Served Weapon/Vehicle and one per every **TWO** Marines.

Range Guards, Signs and Gates

1. **Range Guards and Gates:**
Range 409A RFA Gate/RG at 66118 95703
 - a. Range 409A RFA Gate/RG is required when firing TOW/Javelin Missiles.
 - b. Range 409A RFA Gate/RG can be locked with a Unit provided lock. If using Unit does not have a lock, Range 409A RFA Gate/RG must be posted.
 - c. Range Guards shall be posted in pairs of two with two-way radio communication with the RSO
 - d. No traffic or personnel shall enter R408A without the OIC's or RSO's permission.
 - e. Range Guards are required when firing weapon systems with a back blast at the entrance at 65229 91677

.50 Caliber and below Rifles / Machine Guns (No SLAP/SLAP-T)

| .50 Caliber Below Static Fire | 10 Meter BZO/Qualification |
|--|--|
| <ol style="list-style-type: none"> 1. Cross firing is not being conducted. 2. All setting of T&E's and Tripods are conducted and report to the OIC. 3. Guns are laid in with a compass and verified by the RSO. 4. Positive stops are used to prevent firing out of the approved SDZ. 5. All tripods are sandbagged. 6. The use of Tracers are FDR Dependent. 7. Firing Line 65128 91781 to 65201 91917 Lateral Limits: LLL: 300° mag RLL: 311° mag | <ol style="list-style-type: none"> 1. All setting of T&E's and Tripods are conducted and report to the OIC. 2. Guns are laid in with a compass and verified by the RSO. 3. Positive stops are used to prevent firing out of the approved SDZ. 4. All tripods are sandbagged. 5. All M249/M240G BZO and 10 meter qualification can use pallets set on the firing line. 6. Any engineer stakes used for pallets must be placed on the outside edges of the pallets. 7. The firing line is backed off the target line IAW TM's for BZO and 10 meter 7.62mm qualifications. 8. The use of Tracers must be FDR Dependent. |
| .50 Caliber and Below Defilade | |
| <ol style="list-style-type: none"> 1. Firing Box 65233 91808 to 65271 91973 to 65163 91845 to 65201 91917 2. Lateral Limits: LLL: 300° mag RLL: 311° mag | Target Line 65128 91781 to 65201 91917 Firing Line 65137 91776 to 65210 91912 Lateral Limits: LLL: 300°mag RLL: 311°mag |

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE AND TRAINING REGULATIONS

Shoulder Fired 40mm

1. **When conducting Shoulder Fired 40mm Training the RSO Must Ensure:**
 - a. Personnel are instructed in the proper use of grenade launchers and applicable safety precautions before firing with live ammunition.
 - b. Protective helmet and body armor or PPE Level 1 (Marine Corps) is worn when firing HE ammunition. Requirement for eye protection must be determined by the commander as part of the risk management process.
 - c. Single hearing protection is worn within 2 meters of firing these grenade launchers.
 - d. That the minimum target engagement for MK32, M79, M203, and M320 grenade launchers firing HE ammunition is 130m or 165 m, depending on type of ammunition.
 - e. All duds are reported to LONGRIFLE.
 - f. Targets are engaged only at ranges greater than 75m with training practice (TP) ammunition.
2. **Firing Data:**
Firing Line
 65128 91781 to 65201 91917
Lateral Limits:
 LLL: 296° mag
 RLL: 311° mag

MK-19

| Static | Defilade |
|---|---|
| <ol style="list-style-type: none"> 1. Targets are engaged only at ranges greater than 75 meters with training practice (TP) ammunition. 2. Targets are engaged only at ranges greater than 310 meters with High Explosive (HE) ammunition. 3. Gunners, crew members, and other personnel at the firing position are wearing protective helmet, eye/ear protection, and body armor (PPE Level 1) at all times when firing HE ammunition. 4. Firing Data: Firing Line 65140 91803 to 65201 91917 Lateral Limits: LLL: 296° mag RLL: 311° mag | <ol style="list-style-type: none"> 1. Targets are engaged only at ranges greater than 75 meters with training practice (TP) ammunition. 2. Targets are engaged only at ranges greater than 310 meters with High Explosive (HE) ammunition. 3. Gunners, crew members, and other personnel at the firing position are wearing protective helmet, eye/ear protection, and body armor (PPE Level 1) at all times when firing HE ammunition. 4. Firing Data: Start Firing Line 65181 91799 to 65233 91899 Cease Firing Line 65153 91825 to 65201 91917 Lateral Limits: LLL: 300° mag RLL: 311° mag |

Rockets

Carl Gustaf- NO HEAT Rounds

| | |
|--|---|
| <ol style="list-style-type: none"> 1. MAAWS (Carl Gustaf) <ol style="list-style-type: none"> a. Prone firing of MAAWS HE or TP ammunition is not authorized. b. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. c. All personnel within a 100 meters radius of the MAAWS must wear double hearing protection. d. All personnel within 101-500 meter radius of the MAAWS must wear single hearing protection. e. All personnel within a 20 meters radius of the MAAWS must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. 3. AT-4 HE <ol style="list-style-type: none"> a. Prone or foxhole firing of AT-4 HE (M136) is not authorized. b. In training, an individual may fire one round from the sitting position or three rounds from the standing or kneeling positions in a 24-hour period. c. All personnel within a 20 meters radius of the AT4 must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. | <ol style="list-style-type: none"> 2. SMAW HE <ol style="list-style-type: none"> a. During training with the SMAW, the gunner, assistant gunner or any instructors are authorized to fire/be exposed to only five rounds per day. b. All personnel within a 100 meters radius of the SMAW firing HE type rounds must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. c. All personnel within 390 meter radius of the SMAW must wear single hearing protection. 4. LAW HE <ol style="list-style-type: none"> a. Limit the number of daily firings by any individual (gunner or personnel within 20m) to four. b. All personnel within a 20 meters radius of the LAW must wear Body Armor, Helmet, hearing/eye protection, and sleeves down with collars worn up position which is PPE Level 1. |
| Firing Data <ol style="list-style-type: none"> 1. Firing Line 65128 91781 to 65201 91917 Lateral Limits: LLL: 296° mag RLL: 311° mag | |

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE AND TRAINING REGULATIONS

TOW - HEAT & Inert / JAVELIN GM

1. **When conducting TOW/JAVELIN:**
2. **For all TOW/JAVELIN:**
 - a. All TOW/JAVELIN firing must be conducted from the far right side of the firing line.
 - b. OIC/RSO must ensure that TOW/JAVELIN Gunners only engage authorized TOW/JAVELINE targets.
 - c. Maximum of two vehicles/launchers must be allowed on the line at one time.
 - d. TOW wire must be cut and recovered after firing is secured.
3. **Firing Data:**

Firing Line
65191 91900 to 65201 91917

Lateral Limits:
LLL: 307°mag
RLL: 314°mag

Mortar and Artillery Firing Data

1. **When conducting Mortar or Artillery Training the RSO must ensure:**
 - a. POV's do not enter MP- R408A even if they have a range pass.
 - b. To report, to LONGRIFLE the Max Ord and charge to be fired.
 - c. The Max Ord remains within the scheduled Airspace and must be at least 1000 Feet below any FW Aircraft transitioning over the Impact Area.
 - d. That the FDC has plotted the target box and any RFA's on both the primary and secondary plotting boards for Mortars.
 - e. To check the FDC/Gun line Safety-T's. Safety-T shall be on hand with each gun.
 - f. Mortar and Artillery Position engage targets utilizing the data contained in this brief.
 - g. Mortars fire registration fires that shall be verified by the RSO prior to the exercise.
 - h. Base Plates shall be marked at 11 o'clock and aiming stakes shall be left in place after registration.
2. **During all powder burning activities:**
 - a. Increment Burning shall be IAW CAMPENO 3500.1A
 - b. Units must contact LONGRIFLE for permission prior to burning increments.
 - c. Powder shall be burned in areas cleared to mineral earth, and located no closer than 200 feet from vegetation.
 - d. Unit must not exceed 100 increments or 40 bags at any one time while burning.
 - e. Units must have fire extinguishers, water, and shovels at the burn site.
 - f. Units must remain at the burn site for 30 minutes after the last burn, ensuring no fires have been started in the surrounding vegetation.
 - g. Units must contact LONGRIFLE after last increment or bag has burned and 30 minutes has passed.

| 60mm Mortars Handheld | Firing Box Boundaries | Target Box Boundaries |
|---|---|---|
| Center Firing Point- 65181 91848 LLL: 5475 mils grid RLL: 5740 mils grid Min Range- 450 meters Max Range- 1,300 meters Max Charge- 1 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64826 92125 to 64909 92207 to 64396 92885 to 64156 92648 |
| 60mm Mortars | Firing Box Boundaries | Target Box Boundaries |
| Center Firing Point- 65181 91848 LLL: 5475 mils grid RLL: 5740 mils grid Min Range- 1,000 meters Max Range- 3,300 meters Max Charge- 4 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879 |
| 81mm Mortars | Firing Box Boundaries | Target Box Boundaries |
| Center Firing Point- 65181 91848 LLL: 5475 mils grid RLL: 5740 mils grid Min Range- 1,000 meters Max Range- 3,300 meters Max Charge- 2 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879 |

155mm- Arty Direct Fire

| 155mm Artillery | Firing Box Boundaries | Target Box Boundaries |
|---|---|---|
| Center Firing Point- 65181 91848 LLL: 1645 mils grid RLL: 1790 mils grid Min Range- 800 meters Max Range- 1,600 meters Max Charge- 3 Elev- 570' AMSL | 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811 | 64550 92341 to 64682 92474 to 64184 93100 to 63919 92833 |

Special Instructions Continued on Next page

ENCLOSURE (63)

RANGE AND TRAINING REGULATIONS

LAV System

1. **DO NOT GO PAST THE ESTABLISHED FIRING LINE.**
2. **Cross-lane firing is prohibited.**
3. **RSO must assign left & right lateral limits to each individual and/or weapons system/platform.**
4. **Personnel must NOT be within the 25mm SDZ or forward of the 2nd road wheel of LAV-25.**
5. **Firing Data: 25 mm TP-T & TPDS-T only**
Firing Line –
65128 91781 to 65201 91917
Lateral Limits:
LLL: 300°mag
RLL: 311°mag

Main Tank System

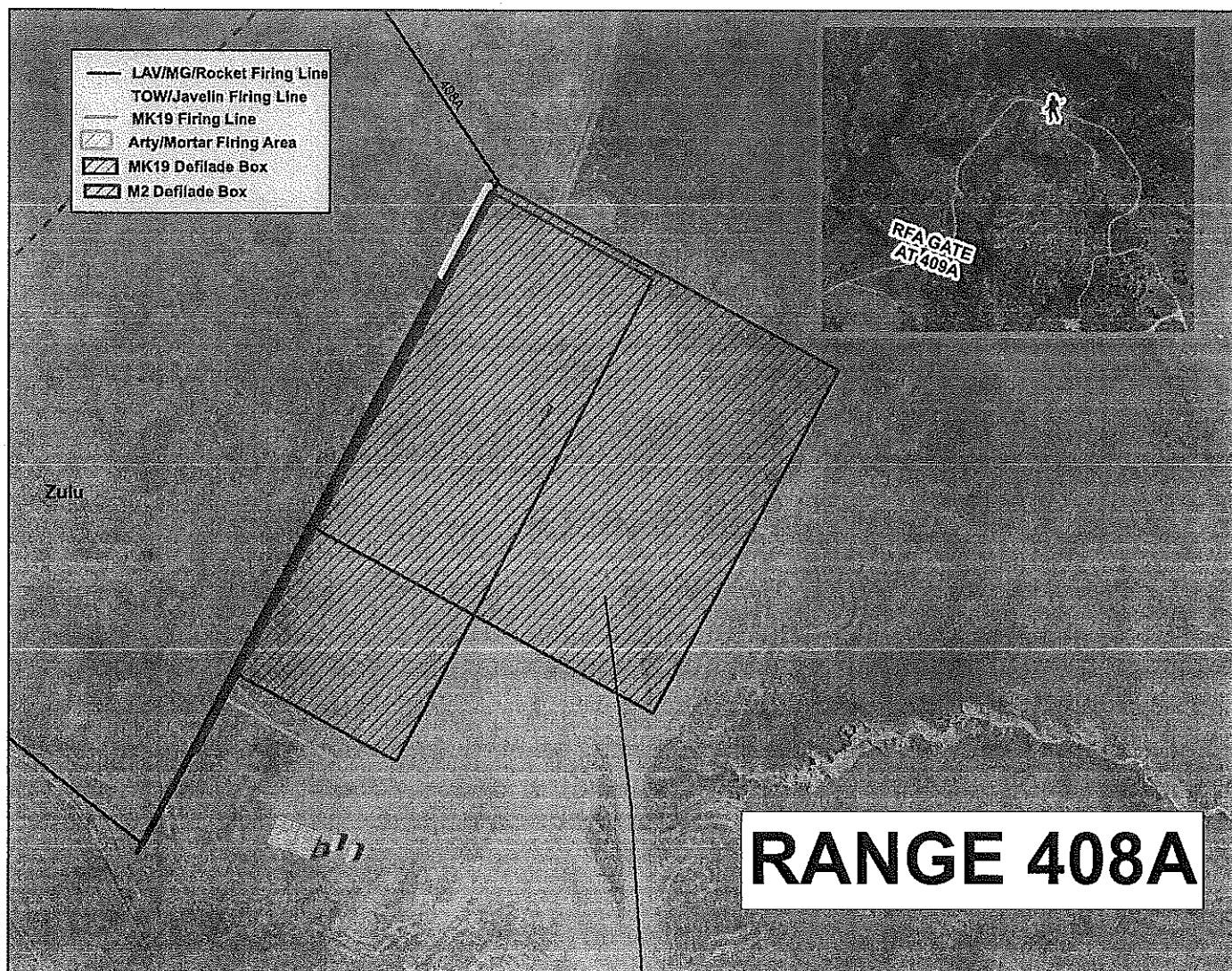
Firing Data: TP-T Only
Firing Line –
65128 91781 to 65201 91917
Lateral Limits:
LLL: 300°mag
RLL: 311°mag
Elevation for 120mm will not exceed 5 degrees.

During Armored Vehicles Live Fire, The Following Flag Display System Must Be Used

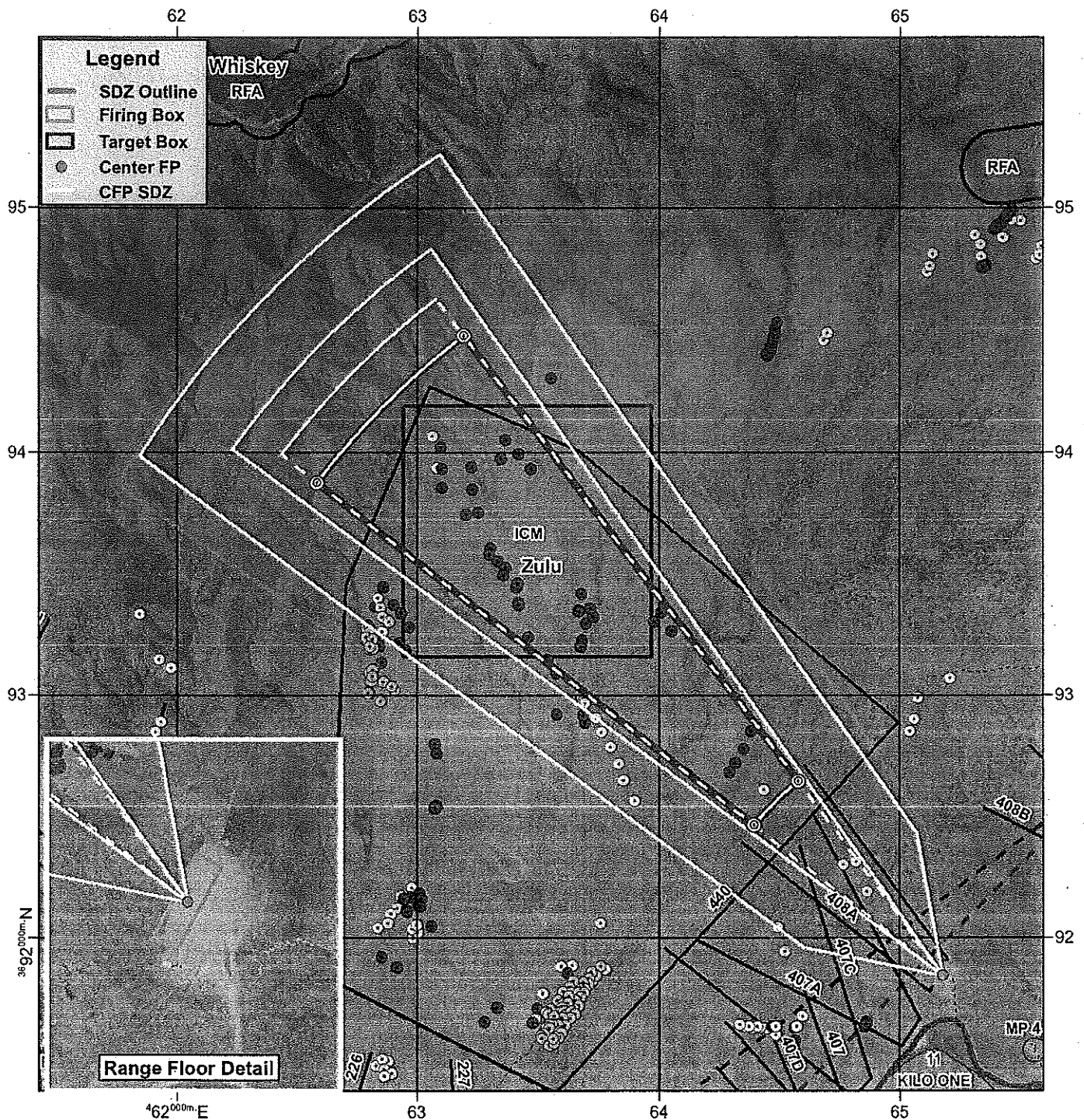
1. **Red** – Weapons are loaded, on target, weapon arm switch is on fire, and manual safety is off.
2. **Green** – All weapons are cleared and elevated, weapon arm switch is on safe and manual safety is off. No ammunition on vehicle.
3. **Yellow & Red** – Malfunction or misfire, weapon arm switch is on safe and manual safety is on or Ammunition on vehicle
4. **Yellow & Green** – Malfunction, weapons are clear, weapon arm switch is on safe and manual safety is on, no ammunition on vehicle.
5. **Red & Green** – Crew preparing to fire or crew is conducting non-firing exercise, ammunition is either stowed or loaded in ready boxes.
6. **Regardless of displayed flags, the RSO must physically verify all weapons are clear prior to any movement of vehicles or reporting to LONGRIFLE that Weapons are clear.**

Special Instructions Continued on Next page

ENCLOSURE (63)



Map Scale = 1:22,662



Weapon: 60mm Mortars
Ammo: HE M720/M734 MOF
DODIC: B642
Center Firing Point: 65181 91848
Left Lateral Limit: 5475 mils grid
Right Lateral Limit: 5740 mils grid
60mm Min Range: 1,000 meters
60mm Max Range: 3,300 meters
Max Charge: 4
Charge 4 Distance X: 3,489 meters
FP elevation: 570 feet AMSL
Impact Area: Zulu

Range Guards posted per Range Regs.
OIC shall report to LONGRIFLE:
Max Ord & Charge to be fired.
Max Ord shall remain within scheduled Airspace and shall be at
least 1,000 Ft below any FW Aircraft transitioning over the
Impact Area.
Firing Gun Line Must Remain Within Firing Box Boundaries
Firing Box Boundaries: 65170 91797 to 65218 91885 to
65191 91899 to 65144 91811
Target Box Boundaries
Target Box Boundaries: 64392 92464 to 64577 92646 to
63189 94479 to 62579 93879

MP-408A Zulu

- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

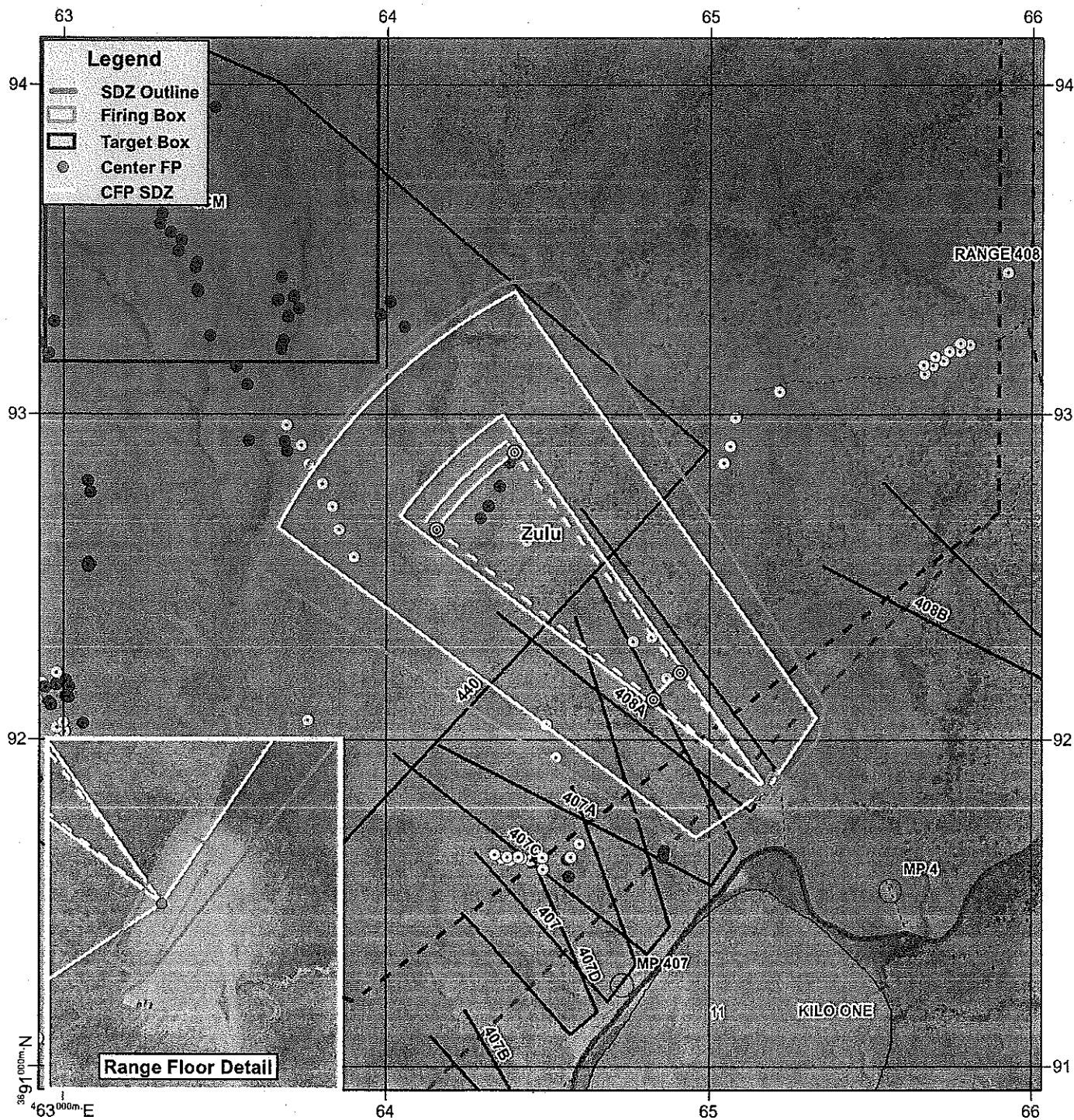
Created By _____
 Approving _____

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

Weapon Type: 60mm Handheld MORTARS

Map Scale = 1:16,864



Weapon: 60mm Handheld Mortars
 Ammo: HE M720/M734 MOF
 DODIC: B642
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 60mm Min Range: 450 meters
 60mm Max Range: 1,300 meters
 Max Charge: 1
 Charge 1 Distance X: 1,342 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64826 92125 to 64909 92207 to 64396 92885 to 64156 92648

MP-408A Zulu

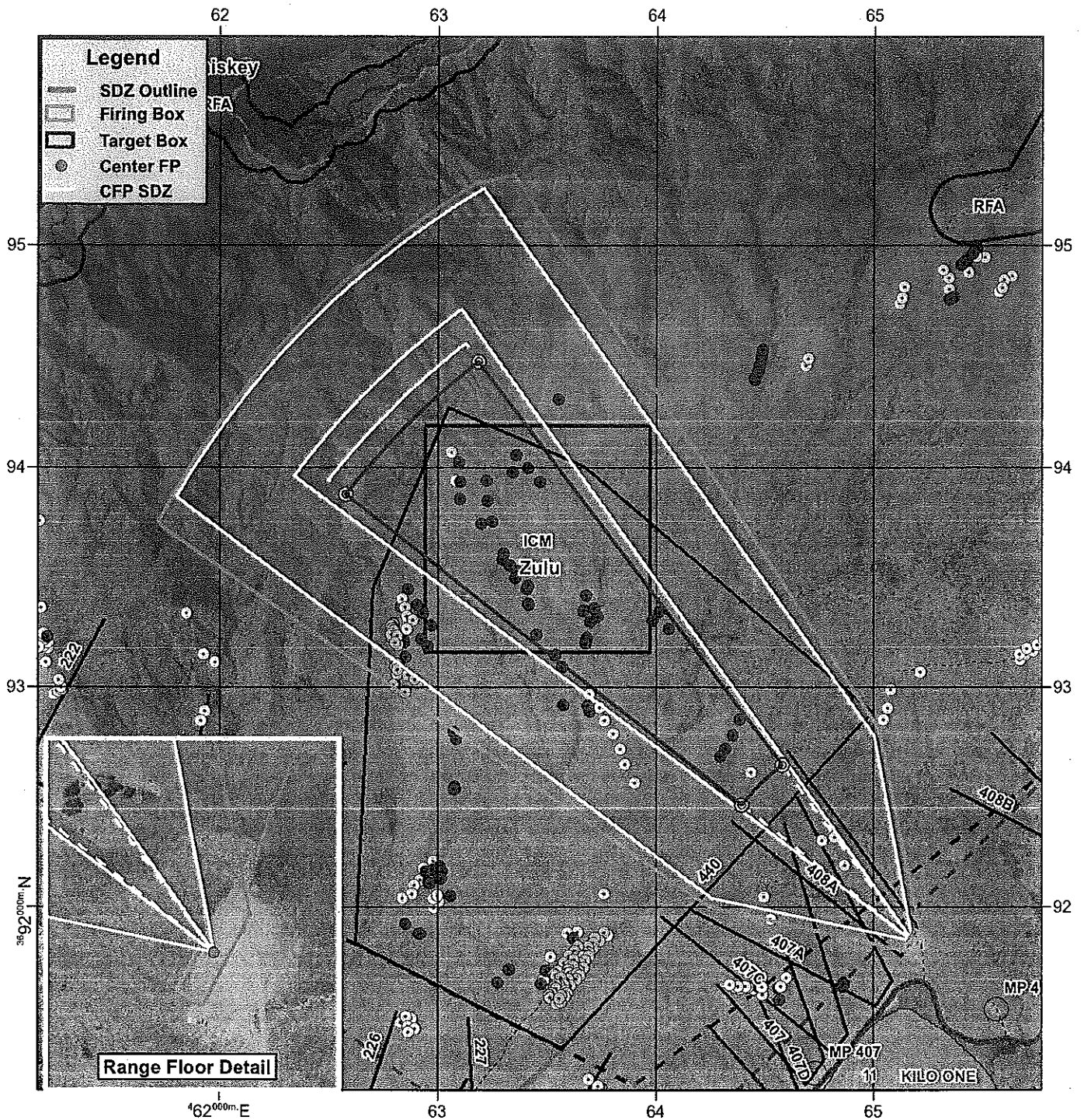
- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

Created By:
 Approving #

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

Weapon Type: 81mm MORTARS Map Scale = 1:25,000



Weapon: 81mm Mortars
 Ammo: HE M821 w/M734 MO Fuze
 DODIC: C868
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 81mm Min Range: 1,000 meters
 81mm Max Range: 3,300 meters
 Max Charge: 2
 Charge 2 Distance X: 3,400 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64392 92464 to 64577 92646 to 63189 94479 to 62579 93879

MP-408A Zulu

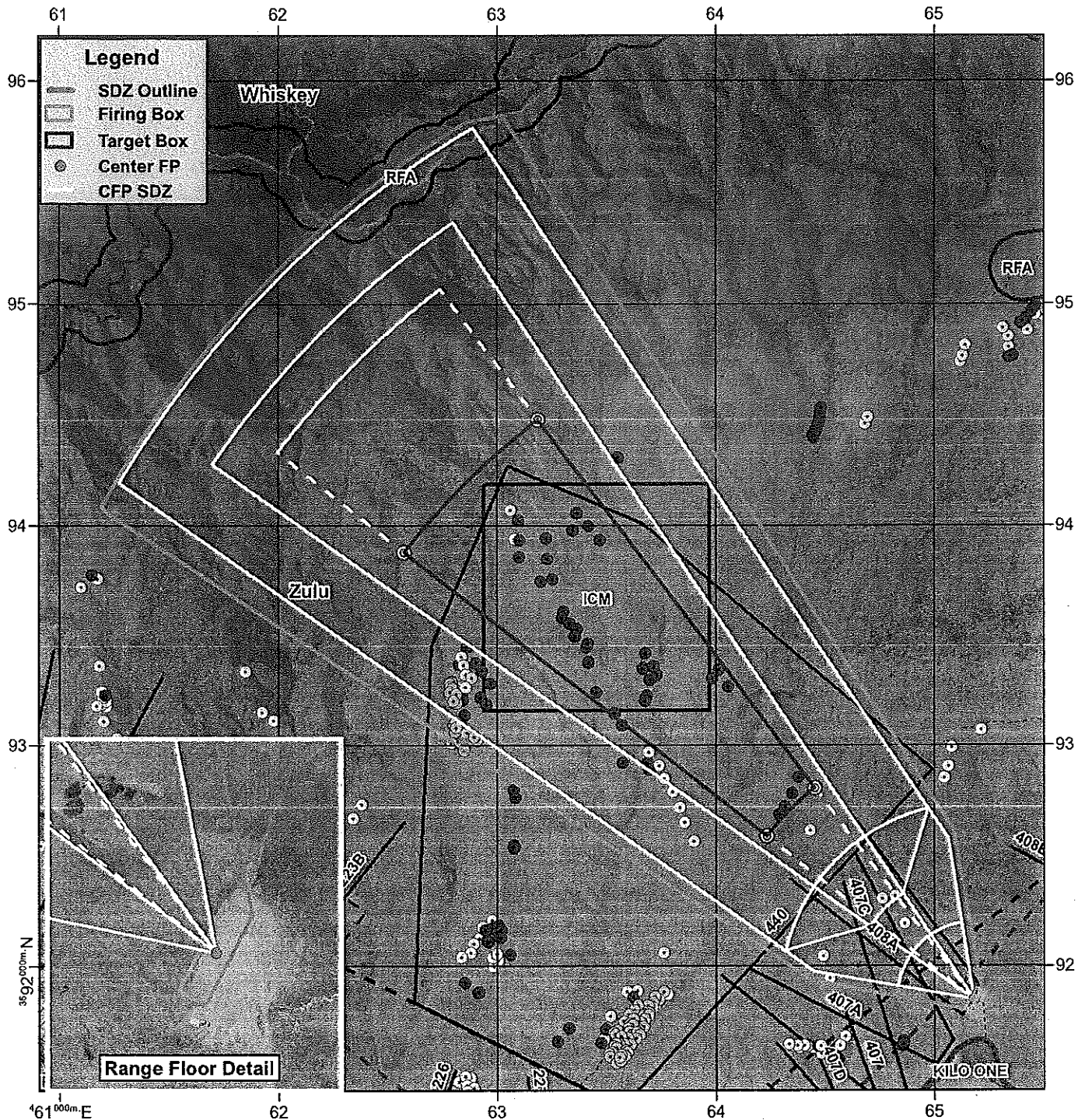
- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

Created By
 Approving /

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

Weapon Type: 120mm RIFLED MORTARS Map Scale = 1:25,000



Weapon: 120mm Mortars
 Ammo: M1101 HE
 DODIC: CA45
 Center Firing Point: 65181 91848
 Left Lateral Limit: 5475 mils grid
 Right Lateral Limit: 5740 mils grid
 81mm Min Range: 1,200 meters
 81mm Max Range: 3,300 meters
 Max Charge: 2
 Charge 2 Distance X: 4,037 meters
 FP elevation: 570 feet AMSL
 Impact Area: Zulu

Range Guards posted per Range Regs.
 OIC shall report to LONGRIFLE:
 Max Ord & Charge to be fired.
 Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
 Firing Gun Line Must Remain Within Firing Box Boundaries
 Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
 Target Box Boundaries
 Target Box Boundaries: 64235 92587 to 64456 92805 to 63189 94479 to 62579 93879

MP-408A Zulu

- Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.
- RSO shall ensure that the FDC has plotted target box on both primary and secondary boards.
- All mortars will fire registration fires that will be verified by the RSO prior to the exercise.
- Safety "T" will be with each gun.
- No POV's shall be allowed on MP-408A even if they have a range pass.

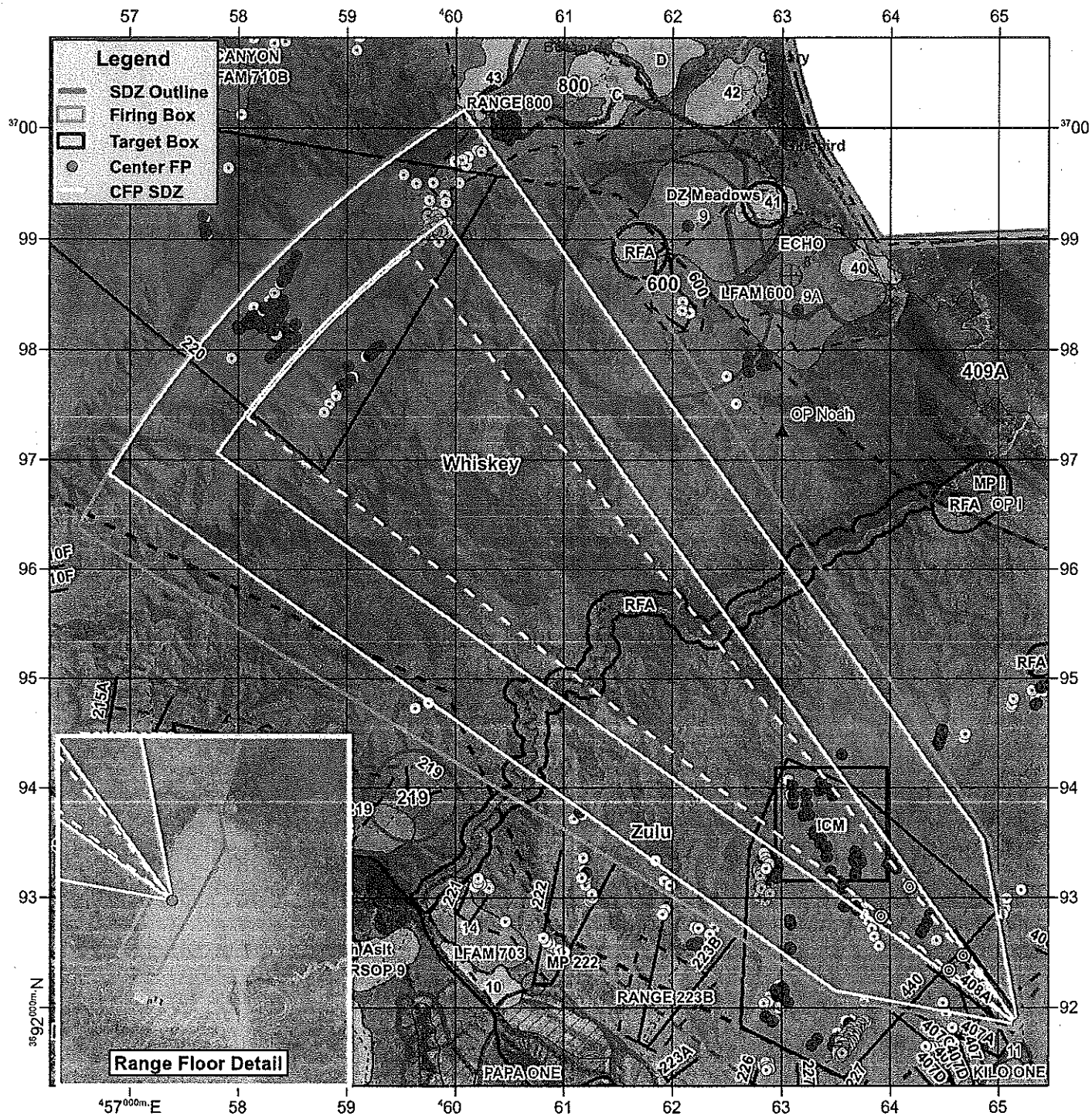
Created By:
 Approving:

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

Weapon Type: ARTILLERY

Map Scale = 1:50,000



Weapon: 155 mm
Center Firing Point: 65181 91848
Left Lateral Limit: 1645 mils Grid
Right Lateral Limit 1790 mils Grid
Max Range: 1,600 Meters
Min Range: 800 Meters
Max Charge: 3
Charge 3 Distance X: 9,000
FP Elevation: 570 Feet AMSL
Impact Area: Zulu/Whiskey

OIC shall report to LONGRIFLE:
Max Ord & Charge to be fired, any HE/MP/Smoke rounds falling short into RFA
Max Ord shall remain within scheduled Airspace and shall be at least 1,000 Ft below any FW Aircraft transitioning over the Impact Area.
Firing Gun Line Must Remain Within Firing Box Boundaries
Firing Box Boundaries: 65170 91797 to 65218 91885 to 65191 91899 to 65144 91811
Target Box Boundaries
Target Box Boundaries: 64550 92341 to 64682 92474 to 64184 93100 to 63919 92833

MP-408A Zulu

Approved safety card, data card, SDZ, & signed ORM must be on hand to conduct training.

When shooting High Angle Fires above 15,000 Ft, R2503C restricted airspace must be requested and approved.

Range Guards must be posted to prevent entry into Area E. #1 - 65234 91677

Created By:
Approving A

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (43)



T&R Tasks

- 1803/1833-GNRY-1131: Conduct AAV Gunnery Table I
- 1803/1833-GNRY-1132: Conduct AAV Gunnery Table II
- 1803-GNRY-1133/1833-GNRY-2106: Conduct AAV Gunnery Table III
- 1803-GNRY-1134/1833-GNRY-2107: Conduct AAV Gunnery Table IV
- 1803-GNRY-1135/1833-GNRY-2108: Conduct AAV Gunnery Table V
- 1803/1833-GNRY-1101: Set Headspace and Timing on M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1102: Load M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1103: Zero M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1104: Fire the M2 HB .50 Cal Machine Gun
- 1803/1833-GNRY-1105: Apply Failure to Fire Procedures for M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1106: Unload M2 .50 Cal HB Machine Gun
- 1803/1833-GNRY-1107: Perform Preventive Maintenance Checks and Services (PMCS) on M2 .50 Cal HB Machine Gun on AAVP7A1
- 1803/1833-GNRY-1108: Load MK 19 Mod 3 40mm Machine Gun

UNCLASSIFIED

ENCLOSURE (63)



T&R Tasks cont.

- 1803/1833-GNRY-1109: Zero MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1109: Zero MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1110: Fire the MK 19 40mm Machine Gun
- 1803/1833-GNRY-1111: Apply Failure to Fire Procedures for MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1112: Unload MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1113: Perform Preventive Maintenance Checks and Services (PMCS) on MK 19 Mod 3 40mm Machine Gun
- 1803/1833-GNRY-1114: Install M240G 7.62mm Machine Gun on AAVC7A1
- 1803/1833-GNRY-1121: Conduct Minor Boresighting of Upgunned Weapons Station
- 1803/1833-GNRY-1122: Conduct Major Boresighting of Upgunned Weapons Station
- 1803/1833-GNRY-1123: Operate Upgunned Weapons Station
- 1803/1833-GNRY-1124: Engage Targets with Upgunned Weapons Station
- 1803/1833-GNRY-1125: Perform Preventive Maintenance Checks and Services on Upgunned Weapons Station

UNCLASSIFIED

ENCLOSURE (63)



T&R Tasks cont.

- 1833-GNRY-2105: Set Inhibit Zone for the Upgunned Weapons Station 1803-GNRY-1109: Zero MK 19 Mod 3 40mm Machine Gun
- AAV-GNRY-3156: Conduct AAV Gunnery Table VI

UNCLASSIFIED

ENCLOSURE (2)



Ammo Load out R408A



- 17,062rds A576, .50 CAL LKD 4 API/API-T F/M2
- 4,000rds, A131, 7.62MM 4 BALL M80/1TRCR M62 LKD
- 2,680rds B542, 40MM HEPD M430/M430A1 LKD (MK 19)

UNCLASSIFIED

ENCLOSURE (63)

Training Support Request

CO-EVENT-{V#} INT DATE
18-3 ONLY}

| | | | | |
|------|-----------|------|----------|--------------|
| DATE | 6/30/2020 | UNIT | BRAVO CO | SUBMITTED BY |
|------|-----------|------|----------|--------------|

(b)(3), (b)(6), (b)(7)(c)

Scheme of Maneuver/Clarifying Instructions:

SUPPORT REQUEST IS FOR BRAVO COMPANY AAV PLATOON DURING CREW GUNNERY AND COMPANY ATTACKS

S-2 Support Requested

| Type | Quantity | Description |
|-------------------|----------|-------------|
| Maps | | |
| Imagery | | |
| UAS | | |
| Training Packages | | |

| S2 COMMENTS | |
|-------------|--|
| | |

S2 DATE RECEIVED DATE APPROVED SIGNATURE

| DETAILS | |
|-------------------------|--|
| Type of Training | ARV CREW GUNNERY AND BRAVO COMPANY ATTACKS |
| Training Areas | R408A, R600 |
| RONI # | |
| CO-USE REQUIREMENT? Y/N | N |
| Departure Date/Time | 10 JULY 2020/1200 |
| Hot Date/Time | 10 JULY 2020/1600 |
| Cold Date/Time | 12 JULY 2020/0800 |
| OTC | |
| RSO | (b)(3), (b)(6), (b)(7)(c) |
| # Of Marines Training | 55 |

53 COMMENTS

| | | | |
|----|---------------|---------------|-----------|
| 83 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

Rations (MRE/Hot Chow)

| MARINE | | | | NAVY | | | | TOTAL | ROSTERS |
|---|---------|----------|---------------------------|---------|----------|--------------------|--------------|-----------|---------|
| PAX #s | Officer | Enlisted | Enlisted w/Comrats | Officer | Enlisted | Enlisted w/Comrats | | Submitted | |
| | 1 | 57 | 15 | 0 | 1 | 0 | 59 | YES | |
| Person to Pick-Up Chow | | | (b)(3), (b)(6), (b)(7)(c) | DATE | 8-Jul-20 | LOC | 21 AREA AAVS | TIME | |
| Chow Plan | | | Breakfast | Lunch | | | | Dinner | |
| MRE, UGR-HS, UGR-A (Vat), Box Lunch, Chow | | | MRE | MRE | | | | MRE | |
| Ice (Plan for 5 lbs/Marine) | | | I/N | N | | | | | |

PORTA JOHN

| PAX | TRAINING AREA LOCATION AND GRID | START DATE | END DATE |
|-----|------------------------------------|------------|-----------|
| 59 | R406A / 11S MS 63190 90469 | 10-Jul-20 | 12-Jul-20 |
| 59 | TA-GOLD BEACH / 11S MS 55543 85183 | 14-Jul-20 | 16-Jul-20 |

MEDICAL

| NUMBER OF CORPSMAN | REPORT DATE/TIME/LOCATION | RETURN DATE/TIME | REPORT TO |
|--------------------|---------------------------|------------------|-----------|
| | | | |
| | | | |
| | | | |

REMARKS: CORPSMAN SUPPORT ORGANIC TO THE PLATOON. REQUESTING SAFETY VIC WITH DRIVER AND ARMORER AS A/DR

34 COMMENTS

REQUESTING MRE'S (59) DELIVERED AT AAV RAMP BLDG
210577 (11S MS 62449 75683) ON 8 JULY / 1000.
REQUESTING JLTV WITH DRIVER AND A-DRIVER (ARMORER)
FOR SAFETY VEHICLE. SAFETY VIC WILL LINK UP AT R408A
ON 10 JULY AT NLT 1500 AND RETURN 12 JULY NLT 0800,
UPON COMPLETION OF LIVE FIRE TRAINING. REQUESTING
WATER SUPPORT ON R408A FROM 1500 10 JULY TO 0800 12
JULY. REQUESTING (1700) GAS2 REFUELLER SUPPORT WITH
PUMP AT 8600 (11S MS 62920 99410) AT 1200 ON 14 JULY.

Transportation ('Time' is show-time for vehicles)

| PICKUP | | | | | | RETURN | | | | | |
|---|------|-----|-------|----------|-------------|--------|------|-----|-------|----------|-------------|
| DATE | TIME | PAX | CARGO | LOCATION | DESTINATION | DATE | TIME | PAX | CARGO | LOCATION | DESTINATION |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| TRANSPORTATION PREFERENCES (i.e. bus, van, 7 ton, etc.) | | | | | | | | | | | |

Tactical Vehicle Request

| Tactical Vehicle Request | | | Pick-Up | | Return | | Driver Request | | | |
|--------------------------|---|--------|-------------|--------|--------|--------|----------------|--------|-------------|---------------------------------|
| Vehicle Type | # | # Ammo | Destination | DATE | TIME | DATE | TIME | Driver | Ammo Driver | IF PROVIDING OWN, DRIVER NAME |
| ML123/ML152 Mback | | | | | | | | | | |
| ML123/ML168 4Door | | | | | | | | | | |
| ML151 DASH | | | | | | | | | | |
| ML167 TOW Variant | | | | | | | | | | |
| MRAP 4X4 | | | | | | | | | | |
| M-ATV | | | | | | | | | | |
| MWC 148 | | | | | | | | | | |
| MWC 145 | | | | | | | | | | |
| Ambulance 2 Litter | | | | | | | | | | |
| Ambulance 4 Litter | | | | | | | | | | |
| 7 Ton (PAX) | | | | | | | | | | |
| 7 Ton (CARGO) | | | | | | | | | | |
| Trailer | | | | | | | | | | |
| JLTV HIGH BACK | 1 | | R405A | 10 JUL | 1500 | 12 JUL | 0800 | 1 | | |
| REFUELER (1700 GALS) | 1 | | R600 | 14 JUL | 1200 | 14 JUL | 1600 | 1 | | REQUESTING ARMORER FOR A/DRIVER |
| ML05 7Ton Trailer | | | | | | | | | | |
| ML01/ML102 Trlr | | | | | | | | | | |
| ML16 Trlr | | | | | | | | | | |
| ML49 Water Bull | 1 | | R406A | 10 JUL | 1500 | 12 JUL | 0800 | 1 | | |

VEHICLES WILL NOT BE DISPATCHED UNLESS PMS ARE COMPLETED FOR THE WEEK

| | | | |
|-------------------------|--------------|--------------------------|--|
| ARMED DRIVER(S) W/ RANK | | DELIVERY LOCATION | |
| TIME OF DELIVERY | 1500 10 JULY | R408A 115 MS 65162 91781 | |
| TIME/DATE OF PRESTAGE | | DATE RECEIVED | |
| TIME/DATE OF PICKUP | 0800 12 JULY | DATE APPROVED | |
| | | GUNNER'S APPROVAL | |

ENCLOSURE (63)

1st Battalion 4th Marines

Training Support Request

| Qty | DODIC | NOMENCLATURE |
|-------|-------|--|
| | A059 | CTG, 5.56MM BALL F/M16A2 |
| | A063 | CTG, 5.56MM TR F/M16A2 |
| | A064 | CTG, 5.56MM BALL TR 4/1 F/SAW |
| | A075 | CTG, 5.56MM BLANK LKD F/SAW |
| | A080 | CTG, 5.56MM BLK F M16A1/A2 |
| 4500 | A131 | CTG, 7.62MM 4 BALL M80/1TRAC M62 LKD |
| | A358 | CTG, 9MM PRAC AT-4 |
| | A363 | CTG, 9MM BALL PISTOL (HEW) |
| 17063 | A576 | CTG, .50 CAL LKD 4 API/API-T F/HZ |
| | A606 | CTG, .50 CAL API MK 211-0 |
| | RA11 | CTG, 7.62MM M118 T RANGE |
| | AX11 | CTG, 9MM SPOTTING RIFLE (SHAW) |
| | B519 | CTG, 40MM PRAC M781 |
| | B535 | CTG, 40MM WHITE STAR DATA |
| 2680 | B542 | CTG, 40MM HEFP M430/M430A1 LKD (MK 19) |
| | B546 | CTG, 40MM HEFP LOWVEL LCHD |
| | B642 | CTG, 60MM HE M720 LWCMS W/HOF |
| | B647 | CTG, 60MM ILLUM M721 |
| | BA14 | CTG, 60MM WP M722A1 |
| | BA21 | CTG, 40MM PRAC |
| | C484 | CTG, 81MM ILLUM INFRARED |
| | C669 | CTG, 81MM HE M889 |
| | C670 | CTG, 81MM SHK RP M819 (IUK) |
| | C671 | CTG, 81MM ILLUM M853 (IUK) |
| | C995 | CTG, 84MM & LNCNR M136 (AT-4) |
| | G678 | FUZE, M228 F/G811 |
| | G881 | HG, FRAGMENTATION M67 |
| | G945 | HG, SHK VEL |
| | G963 | HG, RIOT CS M7 |
| | G982 | HG, SHK TNG M83 |
| | HA21 | ROCKET, 21MM SUB-CALIBER, M72AS |

| Qty | DODIC | NOMENCLATURE |
|-----|-------|--|
| | HA29 | RKT, 60MM HE M72A7 (LAW) |
| | HK05 | RKT, 82MM ASSAULT (SHAW) |
| | J007 | MINE, APERS-T M18A1 w/Accessories |
| | K765 | RIOT CTRL AGENT CS CAPSULE |
| | L311 | SIG, ILLUM RS CLUSTER M126A1 |
| 50 | L312 | SIG, ILLUM WS PARA M127A1 |
| | L495 | FLARE, SURFACE TRIP M49A1 |
| | L592 | TOW BLAST SIMULATOR |
| | L594 | SIM, PROJ GRND BURST M115A2 |
| | L598 | SIM, BOOBYTRAP FLASH M117 |
| | L599 | SIM, BOOBYTRAP ILLUM M118 |
| | M028 | DEMO KIT, BANGALORE TORP M1A2 |
| | M030 | CHG, DEMO BLK 1/4LB TNT |
| | M032 | CHG, DEMO BLK 1LB TNT |
| | M130 | CAP, BLST ELEC M6 |
| | M131 | CAP, BLST NON-ELEC M7 |
| | M456 | CORD, DET TYPE-1 |
| | M670 | FUZE, BLST TIME M700 (U/I FT) |
| | M757 | CHG, ASSY DEMO KIT M183 C4 16X1-1/4LB |
| | M908 | IGNITER, BLST TIME FUSE M81 |
| | MN79 | DEMO KIT, ANTI-PERS OBSTL BREECH SYS MK7-1 (APORS) |
| | WH03 | GM, TOW-2 SURF ATK BGM-71D-5 |
| | WH06 | GM, TOW PRAC |
| | A111 | CTG, 7.62MM BLANK LKND |
| | A598 | CTG, .50 CAL BLNK LKND |
| | G940 | HG, GREEN SMOKE |
| | G920 | HG, STUN |
| | MN52 | INITIATOR, DUAL SHOCK TUBE W/CAPS |
| | | OTHER (SPECIFY DODIC AND NOMENCLATURE) |
| | | OTHER (SPECIFY DODIC AND NOMENCLATURE) |
| | | OTHER (SPECIFY DODIC AND NOMENCLATURE) |

| | | | | | | |
|---------------------------------|-----------|----|---------------------------------|-----------|---|---|
| ORDNANCE TO BE LTI/PFI | YES | NO | ARMORER SUPPORT AT RANGE NEEDED | Y | X | N |
| NO EARLIER THAN DATE OF LTI/PFI | N/A | | NO LATER THAN DATE OF LTI/PFI | 8-JUL-20 | | |
| Date of Weapons Draw | 10-Jul-20 | | Date of Weapons Return | 14-Jul-20 | | |
| Time of Weapons Draw | 0800 | | Time of Weapons Return | 1600 | | |

Equipment to be LTI/PFI (Estimate quantities)

| NOMENCLATURE | QTY |
|---------------|-----|
| M9 PISTOL | |
| M16A4 RIFLE | |
| M203 | |
| M4 CARBINE | |
| M249 SAW | |
| M32 MSGI | |
| M240B MG | 3 |
| M2 .50 CAL MG | 13 |
| MK-19 | 13 |
| MK-153 SHAW | |
| M224 60MM | |
| M282 81MM | |
| M1A1 SABER | |

| NOMENCLATURE | QTY |
|--------------------|-----|
| M1014 | |
| M40A3/A5 | |
| M107 BASR | |
| M72 LAW TRAINER | |
| MK93 | |
| M35 COYOTE MOUNT | |
| M3 TRIPOD | |
| M122 TRIPOD | |
| MK64 MOUNT | |
| JAVELIN BST | |
| JAVELIN FTT | |
| COMAND LAUNCH UNIT | |
| PLDR | |

| NOMENCLATURE | QTY |
|------------------|-----|
| AN/PQ-18A | |
| AN/PVS-17C | |
| AN/PVS-24 | |
| AN/PEQ-16 | |
| AN/PVS-14 | |
| AN/PVS-28 | |
| AN/PAS-13B (V2) | |
| AN/PAS-13D (V2) | |
| AN/PAS-13D (V3) | |
| M22 BINO (LARGE) | |
| M24 BINO (SMALL) | |
| FIELD II | |
| LASER BORE SIGHT | |

| NOMENCLATURE | QTY |
|-----------------|-----|
| M27 | |
| M38 | |
| M320 GL | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |

| | | | |
|----|---------------|---------------|-----------|
| 84 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

| NOMENCLATURE | Qty | Pick-Up | | Return | |
|---------------------|-----|----------|------|-----------|------|
| | | DATE | TIME | DATE | TIME |
| PRC-152 | 3 | 7/9/2020 | 1000 | 7/15/2020 | 1000 |
| PRC-153 | | | | | |
| PRC-119 | | | | | |
| PRC-119F | | | | | |
| PRC-117 | | | | | |
| PRC-150 | | | | | |
| VRC-110 | | | | | |
| VRC-89 | | | | | |
| VRC-90 | | | | | |
| MRC-145 | | | | | |
| COMM-201B | | | | | |
| OE-254 | | | | | |
| CIE-10 | | | | | |
| DTCS | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| Days Batteries Req. | | | | | |

| |
|-------------|
| 86 COMMENTS |
|-------------|

| | | | |
|----|---------------|---------------|-----------|
| 86 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

ENCLOSURE (63)

**1st Battalion 4th Marines
Chow Request**

| MARINE ENLISTED WITH MEAL CARDS | | | | | | | MARINE ENLISTED WITH MEAL CARDS | | | | | | |
|---------------------------------|------|------|-------|----|--------|---------------|---------------------------------|------|------|-------|----|--------|---------------|
| # | RANK | LAST | FIRST | MI | ED IPT | COMBAT CARD # | # | RANK | LAST | FIRST | MI | ED IPT | COMBAT CARD # |
| 1 | | | | | | | 41 | | | | | | |
| 2 | | | | | | | 42 | | | | | | |
| 3 | | | | | | | 43 | | | | | | |
| 4 | | | | | | | 44 | | | | | | |
| 5 | | | | | | | 45 | | | | | | |
| 6 | | | | | | | 46 | | | | | | |
| 7 | | | | | | | 47 | | | | | | |
| 8 | | | | | | | 48 | | | | | | |
| 9 | | | | | | | 49 | | | | | | |
| 10 | | | | | | | 50 | | | | | | |
| 11 | | | | | | | 51 | | | | | | |
| 12 | | | | | | | 52 | | | | | | |
| 13 | | | | | | | 53 | | | | | | |
| 14 | | | | | | | 54 | | | | | | |
| 15 | | | | | | | 55 | | | | | | |
| 16 | | | | | | | 56 | | | | | | |
| 17 | | | | | | | 57 | | | | | | |
| 18 | | | | | | | 58 | | | | | | |
| 19 | | | | | | | 59 | | | | | | |
| 20 | | | | | | | 60 | | | | | | |
| 21 | | | | | | | 61 | | | | | | |
| 22 | | | | | | | 62 | | | | | | |
| 23 | | | | | | | 63 | | | | | | |
| 24 | | | | | | | 64 | | | | | | |
| 25 | | | | | | | 65 | | | | | | |
| 26 | | | | | | | 66 | | | | | | |
| 27 | | | | | | | 67 | | | | | | |
| 28 | | | | | | | 68 | | | | | | |
| 29 | | | | | | | 69 | | | | | | |
| 30 | | | | | | | 70 | | | | | | |
| 31 | | | | | | | 71 | | | | | | |
| 32 | | | | | | | 72 | | | | | | |
| 33 | | | | | | | 73 | | | | | | |
| 34 | | | | | | | 74 | | | | | | |
| 35 | | | | | | | 75 | | | | | | |
| 36 | | | | | | | 76 | | | | | | |
| 37 | | | | | | | 77 | | | | | | |
| 38 | | | | | | | 78 | | | | | | |
| 39 | | | | | | | 79 | | | | | | |
| 40 | | | | | | | 80 | | | | | | |

(b)(3), (b)(6), (b)(7)(c)

(b)(3), (b)(6), (b)(7)(c)

| # | RANK | LAST | FIRST | MI | ED IPT | COMBAT CARD # |
|----|------|------|-------|----|--------|---------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |
| 11 | | | | | | |
| 12 | | | | | | |
| 13 | | | | | | |
| 14 | | | | | | |
| 15 | | | | | | |

| # | RANK | LAST | FIRST | MI | ED IPT | COMBAT CARD # |
|----|------|------|-------|----|--------|---------------|
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | | | | | | |

| MARINE OFFICER ON COMBAT | | | | | | |
|--------------------------|------|------|-------|----|--------|---------------|
| # | RANK | LAST | FIRST | MI | ED IPT | COMBAT CARD # |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

(b)(3), (b)(6), (b)(7)(c)

| NAVY OFFICER ON COMBAT | | | | | | |
|------------------------|------|------|-------|----|--------|---------------|
| # | RANK | LAST | FIRST | MI | ED IPT | COMBAT CARD # |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |

| | |
|---------------------------------|----|
| MARINE ENLISTED WITH MEAL CARDS | 42 |
| MARINE ENLISTED ON COMBAT | 15 |
| NAVY ENLISTED WITH MEAL CARDS | 1 |
| NAVY ENLISTED ON COMBAT | 0 |
| MARINE OFFICER ON COMBAT | 1 |
| NAVY OFFICER ON COMBAT | 0 |
| TOTAL PERSONNEL BEING SUPPORTED | 59 |

| | |
|--------------------------------------|--------|
| TOTAL PERSONNEL BEING SUPPORTED | 59 |
| NUMBER OF MEALS PLANNED PER DAY | 3 |
| NUMBER OF DAYS OF EXERCISE/OPERATION | 4 |
| TOTAL MRE'S NEEDED | 708 |
| TOTAL NUMBER OF CASES NEEDED | 59.0 |
| TOTAL NUMBER OF PALLETS | 1.2 |
| TOTAL WEIGHT OF PALLETS (LBS) | 1127.1 |

ENCLOSURE (63)

Water Calculation

DIRECTIONS: Review listed amounts for various weather zones and functions. In the area provided, enter the amount for that function that you wish to use for the calculation per person. NOTE: It is dependent upon the mission if all water usage functions will be used.

| FUNCTION | TEMPERATE ZONE | | TROPICAL ZONE | | ARCTIC ZONE | | ARID ZONE | | DAILY GAL/MAN CALCULATION |
|---------------------------|----------------|---------|---------------|---------|-------------|---------|-----------|---------|------------------------------|
| | Sustain | Minimum | Sustain | Minimum | Sustain | Minimum | Sustain | Minimum | |
| Drinking | 1.5 | 1.5 | 3 | 3 | 2 | 2 | 3 | 3 | 3 |
| Personal Hygiene | 1.7 | 1 | 1.7 | 1 | 1.7 | 1 | 1.7 | 1 | 1 |
| Field Feeding | 2.8 | 0.8 | 2.8 | 0.8 | 2.8 | 0.8 | 2.8 | 0.8 | 0.8 |
| Heat Casualty Treatment | 0 | 0 | 0.2 | 0.2 | 0 | 0 | 0.2 | 0.2 | 0.2 |
| Level 1 Medical Treatment | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| Level 2 Medical Treatment | 0.7 | 0.7 | 0.9 | 0.9 | 0.7 | 0.7 | 2.8 | 2.8 | 0.7 |
| Centralized Hygiene | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 0 | 0 |
| Construction | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 0 | 0 |
| Vehicle Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 0 |
| Aircraft Maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.2 | 0 |
| Laundry | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 0 | 0 |
| Subtotal | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | 6.1 |
| +10% Waste | 0.7 | 0.4 | 0.9 | 0.6 | 0.8 | 0.5 | 1.7 | 0.9 | 0.61 |
| Total | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | #N/A | 6.71 |

| | |
|---|------|
| DAILY GALLONS PER MAN FOR EXERCISE/OPERATION: | 6.71 |
| ENTER NUMBER OF PERSONNEL SUPPORTED: | 59 |
| ENTER NUMBER OF DAYS FOR EXERCISE/OPERATION: | 3 |

| | |
|------------------|--------|
| DAILY WATER REQ: | 395.89 |
|------------------|--------|

| | |
|------------------|---------|
| TOTAL WATER REQ: | 1187.67 |
|------------------|---------|

HELPFUL INFORMATION: (6) 5-GALLON IGLOO WATER COOLERS WILL BE FILLED PRIOR TO DEPARTING 21 AREA. COOLERS ARE INTERNAL TO PLT.

ENCLOSURE (63)

OPERATIONAL RISK MANAGEMENT MATRIX

| TRAINING EVOLUTION: Range 408A/600 | | ORGANIZATION: BLT 1/4, CO B AAV PLT | Assigned OIC: | Assigned RSO: | Weapons Systems: M2 .50 cal Mk19 40mm M240 | | Date: 20200710-20200714 |
|---------------------------------------|--|--|---------------|--|---|--|---|
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | HOW TO SUPERVISE |
| Phase III | Marine wounded/killed by Up-Gunned Weapon System or ordnance | -Weapons Malfunction caused by improper headspace and timing. -Negligent Discharge. -Firing outside of designated limits. -Weapons leaving the range not condition 4. | I/C=2 | - Marines perform headspace and timing on the .50 cal prior to live fire. - Weapons are kept in condition 4 until on the firing line with turrets oriented down range. - Marines go condition 4 after firing is complete. - Range lateral limits briefed each day prior to training. - RSO inspect weapons leaving the firing line to ensure clear condition 4. -PPE will be worn at all times. | I/D=3 | -Armorer checks the headspace and timing of each .50 cal. -Classes given on headspace and timing and Marines perform function checks a week prior to going to the field, as well as redundancy checks for each firing vehicle. -Ensure weapons have PFIs and LTIs, prior to live fire training. -Marines instructed on when to go condition 3 and condition 1 during safety briefs. - PSOs verify condition 4 prior to movement off the firing line. -RSO/OIC give safety brief outlining left and right lateral limits of the range prior to execution each day. | - RSO/OIC verifies headspace and timing prior to live fire. - Master Gunner or OIC inform gun crews when to change the condition of weapons. -RSO clears each weapon prior to leaving range. -Master Gunner and OIC observe effects of fires with relation to range boundaries. -RSO ensures PSO is briefed on their responsibilities during live fire. -RSO coordinate with armory and platoon maintenance chief IOT ensure all weapons have had a LTI and PFI. |
| Phase III | Marine injured while handling ammunition | -Marines attempting to relink 40mm ammunition. ("buffalo rounds") -Lack of situational awareness. -Marines improperly handling ammunition. | I/C=2 | -Ensure no one handles buffalo rounds except for the RSO, OIC, or designated personnel. -Ensure Marines are paying attention to their surroundings and handling ammunition with care. | I/D=3 | -Platoon leadership briefs the platoon on handling buffalo rounds and that only the RSO, OIC, or designated personnel will handle buffalo rounds. -Safety brief is conducted and an emphasis is made on handling ammunition with care. | -Platoon commander, platoon sergeant, OIC, and RSO ensure no one is handling buffalo rounds except those designated to do so. -RSO conducts safety brief with an emphasis on handling buffalo rounds and ammunition in general. -Section leaders supervise Marines IOT ensure they are safely handling ammunition. |
| Phase III | Marine injured by UXO | -Lack of situational awareness. -Marines attempting to handle UXO. -Marines navigating off of tank trails already laid out in the SOM. | I/C=2 | -Ensure Marines are paying attention to their surroundings and that they know to inform their chain of command if they come across any UXO. -Ensure Marines understand not to touch or handle UXO. | I/D=3 | -Safety brief conducted to ensure Marines maintain situational awareness so they don't disturb any UXO. -Marines briefed that they are not to handle UXO and that if they come across it, to inform their chain of command. -Marines briefed on SOM during operation order. | -RSO/OIC conduct a safety brief to remind Marines to maintain situational awareness and to never handle UXO themselves. -Section leaders supervise their section to ensure IOT ensure Marines don't disturb any UXO. -Crew chiefs supervise crews IOT ensure crews don't disturb any UXO. |
| Phase III, IV | Fire while refueling | -Leaking fuel cells. - Smoking while refueling. | I/C=2 | -Fuel Cells are inspected by Vehicle commanders prior to refueling when vehicles are staged. | I/D=3 | -Vehicle commanders are briefed on inspection procedures before refueling. | -Section leaders monitor refueling and ensure Vehicle commanders are inspecting their fuel cells. |

ENCLOSURE (3)

| | | | | | | | |
|------------|---|--|--------|---|--------|--|--|
| | | | | -Marines will not smoke within 50 m of the refueler. | | -Fuel not given to vehicles until crew chief conducts inspection. -All Marines in the platoon briefed of the limitations on smoking. | -Section leaders and platoon leadership monitor refueling to ensure no Marines are smoking within 50 m. -Platoon sergeant will ensure all fire extinguishers are serviceable and located on the AAV per SOP. |
| All Phases | Loss of personnel or equipment | -Marines not maintaining their prescribed hourly comm checks. -Marines not properly briefed on their respective routes and road guard positions. -Lack of situational awareness. | I/C=2 | -Enforce comm checks with all roadguard positions. -Each road guard position will redundant communications -Marines back brief RSO/OIC on locations of road guard positions before leaving. | I/D=3 | -Route brief and ROC walks with all vehicles prior to leaving RAMP. -Conduct of proper accountability for personnel and gear before and after every movement, twice daily (morning and evening) with one of those checks being conducted by serial number. -Proper PCC/PCI conducted. | -OIC/RSO conduct daily serialized gear checks before and after each day of training. -Platoon sergeant will gain full accountability of all personnel before any platoon movement. -Section leaders inspect all gear and Marines within their section are accounted for at all times. |
| All phases | AAV/wheeled vehicle accident collision/ roll-over | -Speeding. -Driver Fatigue. -Passing of other units on roads. -Lack of visibility due to dust. | I/C=2 | -Marines obey all posted speed limits. -Marines are given adequate rest time prior to operating AAV. -AAVs remain on right side of road and mind a safe distance from other vehicles while passing. -AAVs decrease speed to less than 15mph when passing through dust clouds. | I/D=3 | -Vehicle commanders monitor driver speeds of no more than 25mph. -Vehicle commanders monitor rest period of drivers and remove overly fatigued drivers. -Drivers are briefed prior to leaving RAMP on procedures for passing other units on the road. -Drivers maintain distances of 100m or greater dispersion to avoid creating dust clouds. -Drivers are briefed on slowing down when driving through dust. | -Section leaders ensure section maintains proper speed limit. -Vehicle commanders back-brief section leaders on rest plan for crew. -Vehicle commanders verbally command drivers if they do not follow briefed techniques. -Vehicle commanders verbally command drivers if they do not decrease speed during brown out, and all vehicles will stop until dust settles and visibility is restored. |
| All Phases | Vehicle fire resulting in injuries | -Mechanical malfunctions which cause fire. -Fire bottles inoperable. -Smoking inside AAV. | I/C=2 | -Vehicle commanders report any potentially dangerous problems to maintenance personnel. -Vehicle not utilized until mechanical issue is resolved. -Manual fire bottles on every AAV inspected and weighed by maintainers then annotated on fire bottle tags. -MFSS tested by maintainers. -Properly complete the pre-operational checklist. -Brief safety and evacuation SOPs. | I/D=3 | -Vehicle commanders constantly monitor status of vehicles -Other vehicles utilized if vehicle becomes fire hazard. -Vehicle commanders check fire bottle tags prior to operation to ensure date is current. -Vehicle commanders verify MFSS is unobstructed by SL-3. | -Section leaders monitor maintenance issues and report to platoon sergeant -Platoon sergeant ensures all vehicles operating have no mechanical issues -Marines back brief section leaders on proper use and status of manual fire bottles. -Section leaders inspect sections to verify MFSS is unobstructed in all vehicles and fire bottles have current tags. |
| All Phases | Injuries on AAVs | -Marines injured by unsecured hatches, improperly stowed gear. -Burns. -Improper wearing of PPE. | II/C=3 | -All hatches and gear are strapped down according to SOP. -All internal gear will be strapped down. -Hands avoid the rim of the hatch when opening/closing or unsecured. -FROG gear worn at all times. -Marines aware of burn treatment. | II/D=4 | -Vehicle commanders supervise and inspect crew men properly strapping down hatches and equipment. -Vehicle commanders ensure proper PPE is worn at all times. -Corpsman briefs platoon on burn treatment. | -Section leaders inspect vehicles prior to conducting rehearsals for properly strapped hatches and equipment. -Section Leaders ensure proper PPE is worn at all times. -RSO ensures vehicle hatches secured, proper PPE utilized before AAV movement conducted. |

ENCLOSURE (63)

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| All Phases | Weather exposure casualties | <ul style="list-style-type: none"> -Marines not eating/drinking properly. -Excessive heat of vehicle when wearing PPE. -Failing to put on or take off warming layers | II/C=3 | <ul style="list-style-type: none"> -Vehicle commanders monitor all crew members to ensure they are eating and drinking enough water. -Warming layers will be removed by 0800. -Gear inspections before leaving will ensure Marines bring warming layers. -Each vehicle has (1) full 5 gallon water cooler and (2) designated water jugs. | II/D=4 | <ul style="list-style-type: none"> -Marines briefed on importance of nutrition/hydration in the field. -Section leaders ensure adequate water on each vehicle prior to rehearsals. -Section leaders ensure Marines are wearing appropriate warming layers. | <ul style="list-style-type: none"> -Platoon commander supervises the platoon as a whole and ensures time is allotted during training for Marines to get chow and water. -Platoon sergeant ensures Marines are provided with food and water. -Corpsman observes Marines to ensure they are not becoming weather casualties. -Platoon commander monitors training to ensure AAV crewmen are given adequate rest time. |
| All Phases | Wildlife Hazards | <ul style="list-style-type: none"> -Marines harassing animals. -Lack of situational awareness -Not alerting the chain of command about wild life on range. -Not alerting corpsman to bug/wildlife allergies. | II/C=3 | <ul style="list-style-type: none"> -Brief animal considerations and their likely locations within the area. -Have a corpsman on hand. -Ensure Marines' allergies are known and prepared for. -Ensure proper medication is on hand. | II/D=4 | <ul style="list-style-type: none"> -During safety brief, brief not to touch, harass, or play with any wildlife and to keep your distance. -Ensure corpsman is aware of any existing allergies. | <ul style="list-style-type: none"> -RSO briefs wildlife concerns and safe practices. -Section leaders supervise to ensure any dangerous or endangered wildlife are reported. -Crew chiefs supervise to ensure any dangerous or endangered wildlife is reported. |
| All phases | -Marines leaving the range with ammunition | <ul style="list-style-type: none"> -Lack of situational awareness. -Marines/Vehicles not being inspected prior to departure from range. | III/C=4 | <ul style="list-style-type: none"> -Ensure Marines vehicles are inspected prior to departing the range via a line-out inspection. | III/D=5 | <ul style="list-style-type: none"> -Platoon leadership inspects vehicles and equipment via line-out inspection. | <ul style="list-style-type: none"> -Platoon commander supervises the conduct of a line-out inspection. -Platoon commander and platoon sergeant inspect one another's vehicles and gear. -Section Leaders inspect all vehicles and crews within their section. |
| All Phases | Hazmat/Fuel Spill | <ul style="list-style-type: none"> -Vehicle malfunction or while doing maintenance repairs. -Improper refueling technique. | III/C=4 | <ul style="list-style-type: none"> -Once hazmat spill or potential is discovered, Marines properly clean, report, and control the spill. -Adequate control materials are brought to field. -Marines utilize service station method of refueling. | III/D=5 | <ul style="list-style-type: none"> -Vehicle commanders monitor all hazmat spills to ensure they are handled properly. -Hazmat procedures are briefed to the Marines prior to leaving the RAMP. -Hazmat rep ensures adequate materials are present on each vehicle prior to leaving field. -Vehicle commanders are briefed on refueling using the service station method prior to leaving RAMP. | <ul style="list-style-type: none"> -Platoon sergeant draws spill kit and disseminates to sections. -Platoon sergeant ensures Hazmat rep has provided adequate materials before leaving RAMP. -Section leaders inspect and supervise vehicle maintenance within section to ensure hazmat spills are properly contained and reported. -Section leaders supervise refueling to ensure proper techniques are utilized. -Crew chiefs inspect and supervise maintenance on assigned vehicle ensuring hazmat spills are properly contained and reported. |

ENCLOSURE (43)

| HAZARD SEVERITY | | RAC ASSESSMENT CODE MATRIX | | | | | COMMAND REVIEW/APPROVAL | |
|--|---|--|--------------------|---|------|-----|-------------------------|---------------------------|
| I - CATASTROPHIC - Death, permanent disability, major property damage II - CRITICAL - Permanent partial disability, major system or minor property damage III - MARGINAL - Minor injury, minor system or property damage IV - NEGLIGABLE - 1 st aid, minor system repair MISHAP PROBABILITY A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY RISK ASSESSMENT CODE (RAC) 1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL | | H A Z A R D S E V E R I T Y | MISHAP PROBABILITY | | | | OIC | (b)(3), (b)(6), (b)(7)(c) |
| | A | | B | C | D | RSC | | |
| I | 1 | | 1 | 2 | 3 | RSC | | |
| II | 1 | | 2 | 3 | 4 | RSC | | |
| III | 2 | | 3 | 4 | 5 | XO/ | | |
| IV | 3 | 4 | 5 | 5 | S-3: | BC: | | |

ENCLOSURE (5)

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| UNIT: BLT 1/4, B CO, AAV PLT | OPORD: SECTION/PLT LEVEL AMPHIB OPS | DTG: 26-29 May 2020 | LOCATION: CAMP PENDLETON, TA BLUE BEACH, BOAT BASIN |
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SUBJ: AAV PLATOON AMPHIBIOUS OPERATIONS

REF: (A) MAP: CAMP PENDLETON 1:50,000 AMES SERIES V795S, SHEET IV
(B) MCTP 3-10C (EMPLOYMENT OF AMPHIBIOUS ASSAULT VEHICLES)
(C) NAVMC 3500.2 (AAV TRAINING AND READINESS MANUAL)
(D) MARINE CORPS ORDER 3570.1C RANGE SAFETY
(E) MCIWEST- MARINE CORPS BASE CAMP PENDLETON ENVIRONMENTAL OPERATIONS MAP

ENCL: (1) OPERATIONAL RISK MANAGEMENT WORKSHEET
(2) CONFIRMATION BRIEF
(3) LOGISTICAL REQUESTS

TASK ORGANIZATION: AAV PLATOON; FIRST SECTION, SECOND SECTION, THIRD SECTION, AND COMMAND SECTION.

1. **SITUATION:** AAV PLATOON HAS NOT CONDUCTED ANY WATER OPERATIONS WITH ALL KEY PERSONNEL PRESENT. THIS FIELD TRAINING EVOLUTION WILL PREPARE THE MARINES TO EMPLOY AMPHIBIOUS ASSAULT VEHICLES (AAV'S) AT THE SECTION AND PLATOON LEVEL DURING CHANGE OF OPERATIONAL POSTURE (CHOP) TO BATTALION LANDING TEAM 1/4 TO CONDUCT FUTURE AMPHIBIOUS OPERATIONS IN SUPPORT OF THE 15TH MARINE EXPEDITIONARY UNIT (MEU).

2. **MISSION:** FROM 26-29 MAY AAV PLATOON, BRAVO COMPANY EXECUTES AMPHIBIOUS OPERATIONS IN VICINITY OF BLUE BEACH IN ORDER TO ENHANCE PROFICIENCY OF SECTION AND PLATOON LEVEL AMPHIBIOUS OPERATIONS TO SUPPORT FUTURE EXERCISES AS PART OF BATTALION LANDING TEAM (BLT) 1/4.

3. **EXECUTION:**

A. **COMMANDER'S INTENT.**

(1) **PURPOSE.** TO INCREASE PROFICIENCY IN SECTION AND PLATOON LEVEL AMPHIBIOUS OPERATIONS DURING CHOP TO BATTALION LANDING TEAM 1/4 SO THE PLATOON CAN SUCCESSFULLY SUPPORT AMPHIBIOUS OPERATIONS AS PART OF THE 15TH MEU.

(2) **METHOD.** THIS TRAINING EXERCISE WILL BE ACCOMPLISHED USING THE CRAWL, WALK, RUN METHOD TO ENSURE EACH CREW IS TRAINED IN SECTION AND PLATOON LEVEL AMPHIBIOUS OPERATIONS AND PLATOON SOP'S ARE DEVELOPED. TRAINING WILL PROGRESS FROM CLASSROOM INSTRUCTION TO PRACTICAL APPLICATION, FOLLOWED BY CREW, SECTION, AND PLATOON LEVEL TRAINING. UTILIZING THE BLUE BEACH TRAINING AREA, SECTIONS WILL CONDUCT FORMATION DRIVING, TIME AND DISTANCE PLANNING, LOADING BOAT LANES, AND LANDING ON CENTER BEACH. ADDITIONALLY SECTIONS WILL CONDUCT IMMEDIATE ACTION DRILLS ON LAND SIMULTANEOUS TO OTHER SECTIONS CONDUCTING WATER OPERATIONS. SECTION LEVEL TRAINING WILL OCCUR DURING DAY AND NIGHT AND WILL BE FOLLOWED BY A PLATOON LEVEL EXERCISE TO INCLUDE FORMATIONS, SIMULATED DEBARKATION USING VARIOUS LAUNCH METHODS, AND LANDING AT CENTER BEACH ON TIME.

(3) **END STATE.** AAV PLATOON DEMONSTRATES PROFICIENCY AT CONDUCTING AMPHIBIOUS OPERATIONS AT THE SECTION AND PLATOON LEVEL ACCORDING TO ASSOCIATED T&R STANDARDS AND IS PREPARED FOR FUTURE AMPHIBIOUS OPERATIONS AS PART OF BLT 1/4.

B. **CONCEPT OF OPERATIONS.** THIS IS A FOUR PHASE OPERATION (PHASE I-IV). **PHASE I** WILL BE THE PREPARATION PHASE CONSISTING OF ALL NECESSARY VEHICLE, GEAR, AND PERSONNEL PREPARATIONS PRIOR TO DEPARTURE FOR THE RANGE AND LAND RECOVERY REHEARSALS. **PHASE II**

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WILL CONSIST OF WATER RECOVERY SUSTAINMENT IN THE BOAT BASIN. **PHASE III** WILL BE DAY AND NIGHT SECTION AND PLATOON TRAINING ON BLUE BEACH WITH IMMEDIATE ACTION DRILLS ON LAND. **PHASE IV** WILL BE WILL CONSIST OF RETROGRADE AND POST OPERATIONS.

(1) **PHASE I: PREPARATION PHASE. 11-26 MAY.** PHASE I HAS ALREADY BEGUN WITH FIELD AND ADMINISTRATION PREPARATIONS TO CONDUCT AMPHIBIOUS OPERATIONS CURRENTLY IN ACTION. ADMINISTRATIVE PREPARATION CONSISTS OF CLASSROOM AND PRACTICAL APPLICATION ON AMPHIBIOUS RECOVERY DRILLS AND AMPHIBIOUS OPERATION PLANNING AT THE PLATOON AND SECTION LEVEL. FIELD PREPARATION WILL INCLUDE LAND REHEARSAL FOR RECOVERY AND EVACUATION PROCEDURES, WATER AND LAND PREOPERATION CHECKLISTS, WATER TIGHT INTEGRITY TESTS, JBCP TEST AND DAGR INSTRUCTION. ONCE BOTH ADMINISTRATIVE AND FIELD PREPARATIONS ARE COMPLETE, THE PLATOON WILL RECEIVE AN OPERATIONS ORDER ON 26 MAY. THIS PHASE ENDS WHEN THE PLATOON IS STAGED AND PREPARED TO CONDUCT RECOVERY TRAINING IN THE BOAT BASIN ON 26 MAY NO LATER THAN 0800.

(2) **PHASE II: BOAT BASIN RECOVERY TRAINING. 26-27 MAY.** THIS PHASE BEGINS WITH THE PLATOON DEPARTING FRIENDLY LINES TO CONDUCT RECOVERY SUSTAINMENT. THE PLATOON WILL RECEIVE A SAFETY BRIEF FROM THE RSO/OIC AND COMMUNICATION WILL BE ESTABLISHED AND MAINTAINED WITH BATTALION AND RANGE CONTROL. ONCE ALL PRECAUTIONS ARE IN PLACE ONE SECTION CONSISTING OF TWO VEHICLES WILL ENTER THE BOAT BASIN THROUGH THE EAST RAIN ROOM. IN ORDER, THEY WILL COMPLETE TWO LAPS AROUND THE BASIN FOLLOWED BY ONE (1) AFT AND ONE (1) BOW AMPHIBIOUS RECOVERY PER VEHICLE. ONCE EACH VEHICLE HAS CONDUCTED BOTH TYPES OF RECOVERIES THE SECTION WILL EXIT THROUGH THE EAST RAIN ROOM. WHILE THE FIRST SECTION CONDUCTS THEIR RECOVERIES THE TWO OTHER SECTIONS WILL OBSERVE THE SECTION TRAINING UNDER THE INSTRUCTION OF THEIR SECTION LEADER TO IDENTIFY ANY MISTAKES TO AVOID REPEATING THEM DURING THEIR EVOLUTION. ONCE EACH CREW HAS COMPLETED RECOVERY EXERCISES TO STANDARD, THE PLATOON WILL CONDUCT A MOVEMENT TO BLUE BEACH TRAINING AREA. THIS STAGE ENDS ONCE THE PLATOON HAS ESTABLISHED AN ASSEMBLY AREA (AA) AT TA BLUE BEACH.

(3) **PHASE III: EXECUTION PHASE, TA BLUE BEACH. 27-29 MAY.** THIS PHASE IS BROKEN DOWN INTO TWO STAGES. STAGE A IS SECTION DAY/ NIGHT AMPHIBIOUS OPERATIONS AND IMMEDIATE ACTION DRILLS. STAGE B IS PLATOON LEVEL AMPHIBIOUS OPERATIONS.

(A) **STAGE A. 27-28 MAY.** THIS STAGE BEGINS ONCE THE PLATOON HAS ESTABLISHED A AA AT BLUE BEACH ON 27 MAY. UPON REACHING BLUE BEACH POST OPERATION CHECKS WILL BE COMPLETED AND ALL VEHICLES WILL BE PREPARED FOR AMPHIBIOUS OPERATIONS. THE EXERCISE WILL BEGIN WITH SECTION LEVEL DAY DRIVING AND FORMATION SUSTAINMENT. EACH SECTION LEADER WILL CONDUCT FORMATION DRIVING, COMMAND AND CONTROL REHEARSALS, AND LOADING BOAT LANES USING THE BENT-L AND CROW'S FOOT METHOD. SECTION LEADERS WILL ALLOW FOR DRIVER'S AND REAR CREWMAN TO SUSTAIN THEIR AMPHIBIOUS DRIVING CAPABILITIES DURING THIS PERIOD OF THE TRAINING. AT 1500, DAY TRAINING WILL CEASE AND SECTION LEADERS WILL RECEIVE A FRAGMENTARY ORDER TO CONDUCT A SECTION LEVEL AMPHIBIOUS LANDING, SHORE-TO-SHORE MOVEMENT USING A GIVEN H-HOUR. EACH SECTION LEADER WILL CREATE A PLAN TO LAND AT CENTER BEACH THEN BRIEF THEIR SCHEME OF MANEUVER TO THEIR SECTION. SECTION LEVEL DRIVING AND FORMATION TRAINING WILL CONTINUE FOLLOWED BY SECTION LEADER BRIEFS AND EXECUTION OF THEIR PLAN. ONCE ALL THE SECTION LEADERS HAVE EXECUTED THEIR PLAN, ANOTHER REPETITION WILL BE CONDUCTED WITH ASSISTANT SECTION LEADERS LEADING THE MOVEMENT. AT THE CONCLUSION OF SECTION LEVEL DAY WATER OPERATION TRAINING THE SECTION LEADERS WILL TURN TO IMMEDIATE ACTION DRILLS UTILIZING BLUE TO CONDUCT REHEARSAL OF IED DRILLS, CASEVAC, AND TOW PROCEDURES. ONCE EACH SECTION LEADER HAS COMPLETED THEIR LAND PORTION OF REHEARSALS, THE PLATOON WILL TURN BACK TO PREPARATIONS FOR SECTION LEVEL AMPHIBIOUS NIGHT OPERATIONS. SECTION LEADERS AGAIN WILL EXECUTE THEIR PLANS TO LAND CENTER BEACH ON

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ENCLOSURE (63)

TIME AT NIGHT. THIS PHASE ENDS ONCE ALL SECTION LEVEL AMPHIBIOUS TRAINING HAS BEEN COMPLETED.

(B) STAGE B. 28-29 MAY. THIS STAGE BEGINS ON THE MORNING OF 28 MAY WHEN THE PLATOON WILL CONDUCT THEIR FIRST PLATOON LEVEL AMPHIBIOUS EXERCISE. AFTER RECEIVING A BRIEF THIS WILL START WITH PLATOON LEVEL FORMATION TRAINING, COMMAND AND CONTROL REHEARSALS, AND LOADING BOAT LANES USING THE BENT-L AND CROW'S FOOT METHOD. ONCE THE PLATOON HAS COMPLETED THESE TASKS AND GAINED PROFICIENCY IN LANDING ON TIME AT CENTER BEACH THEY WILL PREPARE FOR SECTION LEVEL LAND BASED TRAINING. THIS PART OF TRAINING WILL BE BROKEN DOWN INTO EACH SECTION CONDUCTING SHORT MOVEMENTS THROUGH BLUE BEACH WHERE DIFFERENT SITUATIONS WILL BE PAINTED OVER THE NET TO INCLUDE IMPROVISED EXPLOSIVE DEVICE (IED) DRILLS, CASEVAC, VEHICLE RECOVERY, AND DANGER CROSSING AREAS. THE PLATOON COMMANDER AND PLATOON SERGEANT WILL RUN EACH SECTION THROUGH THESE SCENARIOS TO PREPARE FOR PLATOON LEVEL LAND TRAINING. ONCE THE PLATOON COMPLETES THE NIGHT PORTION OF TRAINING THEY WILL GO INTO A BIVOUAC STATUS. SHOULD THE PLATOON NEED REMEDIATION OR EXTRA TRAINING TIME DUE TO AN UNSAFE SEA STATE THE TRAINING AREA WILL STILL BE AVAILABLE UNTIL 29 MAY 2359. THIS PHASE WILL END ONCE THE PLATOON IS PREPARED TO REGRADE BACK TO 3D AABN FOR POST OPERATIONS.

(4) PHASE IV: RETROGRADE/ POST-OPERATIONS PHASE. 29 MAY THIS PHASE BEGINS WITH CLEARANCE FROM RANGE CONTROL TO BEGIN RETROGRADE FROM BLUE BEACH TO 3D AABN RAMP. THE PLATOON WILL TRAVEL IN A TACTICAL COLUMN ALONG THE COASTLINE BACK TO THE RAMP. ONCE ON THE RAMP, VEHICLE WASH DOWNS WILL OCCUR, ALL WEAPONS AND SERIALIZED GEAR WILL BE CLEANED AND TURNED IN, AND AFTER ACTIONS WILL BE COMPLETED. THIS PHASE ENDS ONCE THE FINAL SIGHT COUNT IS COMPLETED.

C. TASKS

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| OIC | <p>T1: ENSURE YOU HAVE PRIOR APPROVAL OF ALL TRAINING IN THE T.A.</p> <p>P2: IOT MAINTAIN POSITIVE CONTROL OF ALL TRAINING, AS YOU ARE DIRECTLY RESPONSIBLE FOR EVERYTHING THAT TAKES PLACE.</p> <p>T2: ENSURE PROPER SURF OBSERVATION REPORTS ARE CONDUCTED.</p> <p>P2: IOT ENSURE SAFE AMPHIBIOUS OPERATIONS TRAINING FOR THE PLATOON.</p> |
| RSO | <p>T1: ENSURE SAFE CONDUCT OF TRAINING THROUGH DILIGENT AND INTRUSIVE OVERWATCH OF ANYTHING RELATED TO SAFETY.</p> <p>P1: IOT PREVENT ANY UNSAFE ACTIONS FROM TAKING PLACE.</p> <p>T2: COMMUNICATE WITH 3D AABN AND RANGE CONTROL.</p> <p>P2: IOT ENSURE TRAINING IS CONDUCTED SAFELY IN ACCORDANCE WITH SOPS.</p> |
| PLATOON SERGEANT | <p>T1: COORDINATE WITH ALL LOGISTICAL AND OPERATIONS SOURCES.</p> <p>P1: IOT ENSURE ALL REQUIREMENTS TO CONDUCT THIS RANGE ARE IN PLACE TO INCLUDE BUT NOT LIMITED TO, CHOW, WATER, FUEL, COMMUNICATION ASSETS, SAFETY VEHICLES AND RE-SUPPLY, PYROTECHNICS, AND MAINTENANCE CONTACT TEAM.</p> <p>T2: ENSURE ALL PRE AND POST-OP CHECKS ARE CONDUCTED ACCORDING TO SOP.</p> <p>P2: IOT SET CONDITIONS FOR SAFE WATER AND LAND OPERATIONS.</p> <p>T3: CREATE AN EQUIPMENT DENSITY LIST OF ALL THE PLATOON SERIALIZED GEAR.</p> <p>P3: IOT MAINTAIN ACCOUNTABILITY OF ALL SERIALIZED GEAR FOR THE DURATION OF THE EXERCISE.</p> <p>T4: SUPERVISE ALL MAINTENANCE, RECOVERY, AND CASUALTY EVACUATION.</p> <p>P4: IOT ENSURE COMPLIANCE WITH APPROPRIATE PROCEDURES.</p> |

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| SECTION LEADERS | <p>T1: CONDUCT GEAR INSPECTION NLT 22 MAY.</p> <p>P1: IOT CONFIRM GEAR ACCOUNTABILITY AND UNIFORMITY.</p> <p>T2: CONDUCT LAND REHEARSALS FOR RECOVERY OPERATIONS NLT 22 MAY.</p> <p>T2: IOT SUSTAIN RECOVERY OPERATIONS AND PROCEDURES PRIOR TO GOING FEET WET.</p> <p>T3: INFORM PLATOON SERGEANT OF ALL MAINTENANCE AND READINESS ISSUES.</p> <p>P3: IOT MAINTAIN ACCOUNTABILITY OF VEHICLES AND PERSONNEL.</p> <p>T4: UPON ARRIVAL AT BLUE BEACH, BPT TO BRIEF A FRAGMENTARY ORDER AND LEAD A SECTION LEVEL AMPHIBIOUS ASSAULT.</p> <p>P4: IOT INCREASE PROFICIENCY IN SECTION LEVEL AMPHIBIOUS OPERATIONS.</p> <p>T5: UPON RETURN TO 3D AABN RAMP SUPERVISE AND CONDUCT POST OPERATIONS AND REPORT ANY DISCREPANCIES TO MAINTENANCE.</p> <p>P5: IOT ENABLE RAPID REPAIR OF VEHICLES FOR UPCOMING JOINT LIMITED TECHNICAL INSPECTIONS DURING CHOP TO BATTALION LANDING TEAM 1/4.</p> |
| CORPSMAN | <p>T1: INVENTORY MEDICAL SUPPLIES THAT ARE BEING BROUGHT TO THE FIELD.</p> <p>P1: IOT ENSURE THAT THE EQUIPMENT ALLOWS PROPER AID FOR ALL POTENTIAL INJURIES AT WHITE BEACH.</p> <p>T2: PLAN GROUND MEDEVAC ROUTES FROM TO HIGHER ECHELON OF MEDICAL CARE.</p> <p>P2: IOT ELIMINATE WASTED TIME IN TRANSPORTING CASUALTY TO MEDICAL CARE.</p> |
| COMM CHIEF | <p>T1: NLT 22 MAY ENSURE ALL VEHICLE'S COMMUNICATION EQUIPMENT HAS BEEN INSPECTED, EVALUATED, AND ARE OPERATIONAL.</p> <p>P1: IOT FACILITATE COMMUNICATIONS DURING TRAINING THROUGHOUT TRAINING EXERCISE.</p> <p>T2: NLT 22 MAY SUPERVISE THE PREPARATION AND OPERATION OF PLATOON COMMUNICATION ASSETS.</p> <p>P2: IOT ENSURE PROPER LOADING OF CRYPTOGRAPHIC INFORMATION ENSURING ALL COMMUNICATION SECURITY PROCEDURES ARE BEING FOLLOWED.</p> <p>T3: ENSURE EACH AAV CAN ESTABLISH COMMUNICATIONS WITH THE OIC AND RSO.</p> <p>P3: IOT ENSURE THE SAFE CONDUCT AND EXECUTION OF THIS EXERCISE.</p> <p>T4: ESTABLISH COMMUNICATIONS WITH BATTALION.</p> <p>P4: IOT SEND SITUATIONAL REPORTS AND LOGISTICAL REQUESTS AS REQUIRED.</p> |
| MAIN CHIEF | <p>T1: ENSURE ALL VEHICLES ARE PROPERLY PREPARED FOR FIELD TRAINING TO INCLUDE ANNOTATION AND RECONCILIATION OF ALL DISCREPANCIES.</p> <p>P1: IOT ENSURE VEHICLES ARE READY FOR CONDUCT OF AMPHIBIOUS OPERATIONS.</p> <p>T2: ASSEMBLE AND MAINTAIN A DSI FOR THE EXERCISE.</p> <p>P2: IOT ENSURE MAINTENANCE CAN BE CONDUCTED IN THE FIELD TO COMPLETE THIS TRAINING EXERCISE.</p> |

D. COORDINATING INSTRUCTIONS

(1) REQUIRED FACILITIES. BOAT BASIN, BLUE BEACH TA

(2) OIC.

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(3) RSO.

(4) TIMELINE. 26-29 MAY 2020

26-27 MAY

0500 MARINES ARRIVE AT RAMP/ PERSONAL GEAR LOADED

0600 ARMORY DRAW

0700 COMM LOADED, PRE-OPERATIONAL CHECKS VERIFIED

0730 PLATOON BRIEFED ON BOAT BASIN OPERATION AND MOVEMENT TO TAA WB

0800 FIRST SECTION FEET WET IN BOAT BASIN

0900 SECOND SECTION FEET WET IN BOAT BASIN

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ENCLOSURE (65)

1000 THIRD SECTION FEET WET IN BOAT BASIN
 1100 COMMAND SECTION FEET WET IN BOAT BASIN
 1300 REMEDIATION
 1600 PLATOON ARRIVES AT BLUE BEACH, SUROB CONDUCTED
 1800 SECTION LEVEL DRIVER SUSTAINMENT/ FORMATION DRIVING
 2000 ALL VEHICLES FEET DRY/ POST OPERATIONS/ SECTION LEADERS FRAGGED
 2200 BIVOUAC

28 MAY

0600 REVEILLE
 0700 PRE-OPERATIONS COMPLETED VERIFIED/ COMMUNICATIONS CHECK/ SUROB
 0800 PLATOON ARRIVES AT BLUE BEACH, SUROB CONDUCTED
 0830 SECTION LEVEL DRIVER SUSTAINMENT/ FORMATION DRIVING
 0900 FIRST SECTION BRIEF SCHEME OF MANEUVER
 1000 FIRST SECTION FEET WET
 1030 SECOND SECTION BRIEF SCHEME OF MANEUVER
 1130 SECOND SECTION FEET WET
 1200 THIRD SECTION SCHEME OF MANEUVER
 1230 THIRD SECTION FEET WET (WITH COMMAND SECTION)
 1300 ALL VEHICLES FEET DRY/ POST OPERATIONS/ SECTION LEADERS FRAGGED
 1330 ASSISTANT SECTION LEADERS BRIEF AND EXECUTE AMPHIBIOUS OPERATION
 1600 ASSISTANT SECTION LEADERS COMPLETE AMPHIBIOUS OPERATION
 1630 SECTION LEVEL REHEARSALS OF IMMEDIATE ACTION DRILLS
 1800 PREPARATION FOR SECTION LEVEL NIGHT EXERCISE
 2000 FIRST SECTION FEET WET
 2045 SECOND SECTION FEET WET
 2130 THIRD SECTION FEET WET
 2300 BIVOUAC

29 MAY

0600 REVEILLE
 0700 PRE-OPERATIONS FOR WATER OPS
 0800 PLATOON LEVEL FORMATION DRIVING AND LANDING
 0900 PREPARE VEHICLES FOR IMMEDIATE ACTION DRILLS
 1000 SECTION IED IMMEDIATE ACTION WITH CASEVAC AND TOW
 1030 SECTION IED IMMEDIATE ACTION WITH CASEVAC AND TOW
 1100 SECTION IED IMMEDIATE ACTION WITH CASEVAC AND TOW
 1200 PREPARATION FOR PLATOON SPLASH
 1400 PLATOON EXERCISE COMPLETE
 1500 RETROGRADE TO 3D AABN

(5) TACTICAL CONTROL MEASURES (TCMS)/ POINTS OF INTEREST

| TCM (PRIMARY NUMBERED, ALTERNATE LETTER) | LOCATION |
|--|------------------|
| LOD (3D AABN RAMP) | 11S MS 6280 7560 |
| CP 2 | 11S MS |
| BLUE BEACH AA | 11S MS 6106 7717 |

SIGNATURE/DATE

CO CMDR

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (2)

| POINTS OF INTEREST | LOCATION |
|-----------------------|------------------|
| AXP-1 (END OF RUNWAY) | 11S MS 6260 7570 |
| 21 AREA BAS | 11S MS 6300 7600 |
| 41 AREA BAS | 11S MS 5928 8293 |
| 43 AREA BAS | 11S MS 6190 8980 |
| LZ #1 (HELO PAD) | 11S MS 5743 8323 |
| NAVAL HOSPITAL | 11S MS 6360 7610 |

(6) RATE(S) OF MARCH AND DISPERSION. 20 MPH IN TRAINING AREAS WITH 50-75 METER DISPERSION. IN LOW LIGHT CONDITIONS, 15 MPH AND 50-75 METER DISPERSION. 5 MPH IN CONGESTED AREAS WHILE UTILIZING GROUND GUIDES. THE ROUTE FROM THE 3D AABN RAMP TO THE BLUE BEACH TA IS APPROXIMATELY 3 KM. DURING THE MOVEMENT THE PLATOON WILL TRAVEL IN A COLUMN STAYING IN THE HIGH WATER MARK IN ACCORDANCE WITH ENVIRONMENTAL CONSIDERATIONS. THE ENTIRE MOVEMENT WILL TAKE 20 MINUTES WITH A CROSSING OF THE MARGARITA IVO GRID 11S MS 6127 7696.

(7) NO COMMUNICATION PLAN

A. PHASE I. NOT APPLICABLE

B. PHASE II/IV MOVEMENT TO AND FROM BLUE BEACH TA. IF COMMUNICATION IS LOST DURING THE PLATOON MOVEMENT THEY WILL UTILIZE HAND AND ARM SIGNALS OR A MESSENGER. THE VEHICLE WILL CONTINUE TO TRY TO RE-ESTABLISH COMMUNICATION DURING THE MOVEMENT. WHILE IN A PLATOON COLUMN, THE PLATOON WILL CONTINUE TO MOVE AS LONG AS THE FIRST AND LAST VEHICLE HAVE COMMUNICATIONS WITH THE PLATOON COMMANDER OR PLATOON SERGEANT. IF COMMUNICATION LOST BETWEEN THESE THREE VEHICLES THE PLATOON WILL HALT FOR NO LONGER THAN 10 MINUTES AND RE-ESTABLISH COMM. IF IT CANNOT BE RE-ESTABLISHED THEN THE PLATOON WILL CONTINUE THEIR MOVEMENT WITH THE 1ST SECTION LEADER TAKING TACTICAL CONTROL WHILE THE PLATOON COMMANDER TRIES TO RE-ESTABLISH COMM WHILE MOVING. RANGE FLAG WILL BE UTILIZED TO PASS THE COMMUNICATION STATUS OF THE VEHICLE TO THOSE AROUND IT. GREEN WILL MEAN "HEAR BUT CANNOT SPEAK", YELLOW WILL MEAN "CANNOT HEAR OR SPEAK" AND RED MEANS EMERGENCY IN THE VEHICLE AND NEED ASSISTANCE. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE, TRAINING WILL CEASE AND COMMUNICATION WILL BE RE-ESTABLISHED.

C. PHASE III EXECUTION OF AMPHIBIOUS OPERATIONS. THE AAVC7 WILL BE UTILIZED AS THE COMMAND CENTER FOR THE PLATOON TO TRANSMIT TO AND FROM BATTALION. IF COMMUNICATION GOES DOWN SECTION INTERNAL THEY WILL UTILIZE HAND AND ARM SIGNALS AS WELL AS THE RANGE FLAG SYSTEM AS PREVIOUSLY MENTIONED IN PHASES II/IV. EMERGENCY SIGNAL WILL BE IN ACCORDANCE WITH AMPHIBIOUS OPERATIONS STANDARD OPERATING PROCEDURES UTILIZING THE NOVEMBER FLAG, SPOTLIGHT AND WHITE AND RED STAR CLUSTERS. DURING NIGHT TIME EVOLUTION CHEMSTICKS WILL BE USED IN ACCORDANCE WITH THE RANGE FLAGS. IR CHEMSTICKS WILL BE USED IF NECESSARY FOR HAND AND ARM SIGNAL COMMUNICATION WHILE CONDUCTING WATERBORNE OPERATIONS. AS A CONTINGENCY PLAN IN CASE OF AN EMERGENCY THE SECTION LEADER WILL HAVE BLACK GEAR IN CASE OF A CATASTROPHIC COMMUNICATION FAILURE SO THEY CAN STILL COMMUNICATE WITH THE RSO AND OIC. IF AT ANYTIME THE PLATOON LOSES COMMUNICATIONS WITH LONGRIFLE TRAINING WILL CEASE AND COMMUNICATION WILL BE REESTABLISHED.

(8) LOST MARINE PLAN. IF A MARINE HAS BEEN IDENTIFIED AS MISSING, ALL

| | |
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| SIGNATURE/DATE | C |
| CO CMDR | S |

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (63)

MOVEMENT AND TRAINING WILL CEASE AND THE PLATOON WILL GAIN ACCOUNTABILITY OF ALL PERSONNEL AND EQUIPMENT BEFORE BACKTRACKING THE PREVIOUS ROUTE UNTIL THE MARINE IS FOUND. ACCOUNTABILITY WILL BE MAINTAINED BY CONDUCTING CHECKS BEFORE AND AFTER ANY MOVEMENT. ALL MARINES WILL INFORM THEIR CHAIN OF COMMAND WHEN THEY LEAVE THE IMMEDIATE AREA OF THE PLATOON. THEY WILL TRAVEL IN PAIRS AND NEVER MOVE MORE THAN 50M AWAY FROM THE PLATOON. ALL MARINES WILL CARRY A WATER SOURCE WHEN STEPPING AWAY FROM THE VEHICLE. WHILE MOVING TO AND FROM THE RANGE. DURING PHASE II AND IV, IF A MARINE BECOMES LOST THEY WILL REMAIN IN PLACE FOR 2 HOURS AND THEN BACKTRACK SOUTH VIA THE COASTLINE TO 3D AABN. ON RETURN TO 3D AABN THEY WILL CONTACT THE PLATOON COMMANDER OR PLATOON SERGEANT VIA THE OOD.

(9) GO/NO GO CRITERIA

- A. CORPSMAN PRESENT AND PREPARED FOR CONDUCT OF EXERCISE.
- B. MAINTAIN POSITIVE COMMUNICATIONS WITH LONG RIFLE.
- C. SEA STATE GREATER THAN 3.
- D. LESS THAN SIX AAVP7'S OPERATIONAL.

(10) ORDER OF MARCH. VEHICLES WILL MOVE SECTION ORDER NUMERICALLY 1ST SECTION, 2ND SECTION, 3RD SECTION, COMMUNICATION SECTION. ONCE SECTION OPERATIONS TAKE PLACE, IT IS SECTION LEADER DISCRETION TO ACCOMPLISH THE MISSION.

(12) LAUNCHING AND RETURNING. THE SPLASH TEAM WILL ENSURE THAT THE MOST RECENTLY LAUNCHED VEHICLE IS AT LEAST 50 YARDS AWAY FROM THE LAUNCH POINT BEFORE LAUNCHING SUCCESSIVE VEHICLES. THE MARINES LAUNCHING SUCCESSIVE VEHICLES AS PART OF THE SPLASH TEAM WILL UTILIZE RED AND GREEN FLAGS TO SIGNAL WHEN AN AAV IS CLEARED/ NOT CLEARED TO LAUNCH. THE PLATOON SERGEANT WILL BE IN CHARGE OF THE SPLASH TEAM. THE 1ST SECTION LEADER WILL TAKE CHARGE OF THE SPLASH TEAM SHOULD THE PLATOON SERGEANT BE UNAVAILABLE.

(13) VEHICLE RECOVERY PLAN.

A. LAND. 10 MINUTES TO TROUBLESHOOT AND 20 MINUTES TO FIX. PLATOON SERGEANT IS THE PRIMARY RECOVERY TEAM. 3RD SECTION, OR LEAST ENGAGED SECTION IS THE ALTERNATE RECOVERY TEAM. DURING **PHASE II** IF A VEHICLE IS UNABLE TO LEAVE THE RAMP IT WILL BE SECURED WITH ALL WEAPONS AND EDL TRANSFERRED TO THE PLATOON SERGEANT'S VEHICLE. ON THE MOVEMENT IF A VEHICLE NEEDS TO BE TOWED THE PLATOON SERGEANT WILL REMAIN PRIMARY TOW VEHICLE WHILE THE REMAINDER OF THE PLATOON FORMS A DEFENSIVE POSTURE TO RECOVER THE DOWNED VEHICLE. IF THE PLATOON SERGEANT VEHICLE NEEDS TO BE RECOVERED, A DEFENSIVE POSTURE WILL BE FORMED TO RECOVER DOWNED VEHICLE BY 3RD SECTION. ALL EFFORTS WILL BE MADE TO REPAIR VEHICLES IN THE FIELD AND MOVE THEM TO THE TAA.

B. WATER. DURING WATER OPERATIONS THE PRIMARY RECOVERY VEHICLE WILL BE SECTION INTERNAL WITH THE ASSISTANT SECTION LEADER BEING THE PRIMARY TOW VEHICLE. TWO ADDITIONAL VEHICLES WILL BE ON STANDBY SHOULD A VEHICLE NEEDED TO BE TOWED. THE PRIMARY TO TOW METHOD WILL BE AFT TO AFT.

(14) BUMP PLAN. VEHICLE CREW AND EMBARKED PERSONNEL FROM THE DISABLED VEHICLE WILL BUMP TO THE SECTION LEADER'S VEHICLE. IF PLATOON SERGEANT'S VEHICLE IS THE DOWNED VEHICLE, CREW AND EMBARKED PERSONNEL WILL BUMP TO VEHICLE 3-15-11, 3-15-7, 3-15-3.

| | |
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| SIGNATURE/DATE | O. |
| CO CMDR | S- |

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (45)

(15) UNIFORM AND GEAR. ALL HANDS WILL WEAR FIRE RESISTANT ORGANIZATION GEAR (FROG), APPROPRIATE PPE, AND LPU'S DURING AMPHIBIOUS TRAINING.

(16) PPE. PPE WILL BE WORN AT ALL TIMES WHILE CONDUCTING TRAINING. PPE CONSISTS OF KEVLAR/ FROG, EYE PRO, EAR PRO, GLOVES, PLATE CARRIERS. IFAK'S WILL BE WORN OR IN THE MARINES STATION AT ALL TIMES. GAS MASK WILL BE ACCESSIBLE TO BE DONNED AT ANY POINT BY THE MARINE DURING THE EXERCISE.

(18) MARKING PLAN

(B) PERSONNEL MARKING PLAN. THE OIC, RSO, AND CORPSMAN WILL BE MARKED WITH A WHITE CHEMSTICK DURING ALL SECTION LEVEL NIGHT TRAINING EVOLUTIONS.

(C) VEHICLE MARKING PLAN. FOR NIGHT TRAINING AS A SAFETY MEASURE EACH VEHICLE WILL BE MARKED WITH ONE YELLOW CHEMSTICK ON THE STARBOARD ANTENNA. THE PLATOON COMMANDER WILL HAVE TWO YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA AND THE PLATOON SERGEANT WILL HAVE THREE YELLOW CHEMSTICKS ON THE STARBOARD ANTENNA.

(19) SAFETY DRIVERS AND CORPSMAN. THE SAFETY DRIVER AND CORPSMAN WILL BE LOCATED AT BLUE BEACH. SAFETY DRIVERS WILL BE WILL BE REQUIRED TO BACK-BRIEF THE RSO THE ROUTE TO THE NAVAL HOSPITAL IN CASE OF AN EMERGENCY. IN ADDITION TO A BACK-BRIEF, THE RSO WILL PASS SPECIFIC GUIDANCE THAT THE SAFETY DRIVER IS NO MORE THAN AN ARMS-REACH AWAY FROM THE VEHICLE, THE BACK OF HIS VEHICLE IS KEPT CLEAR OF EQUIPMENT AND DEBRIS, AND THAT HE KEEP HIS PPE STAGED ON THE VEHICLE.

4. ADMINISTRATION AND LOGISTICS

A. ADMINISTRATION

(1) PERSONNEL COUNT (MO/ME/NO/NE). 1/57/0/1 TOTAL 59

(2) VEHICLE COUNT (BY TYPE AND QTY). (12) AAVP7S, (1) AAVC7, (1) AAVR7

(3) ASTRONOMICAL DATA

| DATE | SUNRISE | SUNSET | ILLUMINATION |
|--------|---------|--------|--------------|
| 26 MAY | 05:50 | 19:40 | 9.1% |
| 27 MAY | 05:50 | 19:35 | 17.1% |
| 28 MAY | 05:50 | 19:33 | 36.9% |
| 29 MAY | 05:50 | 19:32 | 47.4% |

(4) SURF FORECAST

| DATE | WAVE HEIGHT | WIND | HIGH TIDE | LOW TIDE |
|----------|-------------|---------------|--------------|--------------|
| *CURRENT | PREDICTED | CONDITIONS | | |
| 26 MAY | .3 FT SSW | 5-15 MPH SSW | 12:35/ 23:41 | 17:50 |
| 27 MAY | .3 FT SSW | 5-10 MPH SSW | 13:10/ 00:21 | 06:32/ 18:41 |
| 28 MAY | .4 FT SSW | 5-15 MPH SSW | 13:49 | 07:02/ 19:48 |
| 29 MAY | .5 FT SSW | 10-15 MPH SSW | 01:13/ 14:35 | 07:36/ 21:15 |
| 26 MAY | .7 FT SSW | 10-15 MPH SSW | 02:35/ 15:29 | 09:24 |

SIGNATURE/DATE

CO CMDR

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (5)

(5) WEATHER FORECAST

| DATE | HIGH | LOW | WEATHER |
|--------|------|-----|------------|
| 26 MAY | 69 | 60 | CLEAR/ DRY |
| 27 MAY | 71 | 60 | CLEAR/ DRY |
| 28 MAY | 73 | 60 | CLEAR/ DRY |
| 29 MAY | 69 | 58 | CLEAR/ DRY |
| 26 MAY | 68 | 55 | CLEAR/ DRY |

(4) CASUALTY EVACUATION (CASEVAC) PLAN. IN THE EVENT OF A CASUALTY ALL TRAINING WILL CEASE AND LONGRIFLE WILL IMMEDIATELY BE NOTIFIED WHILE THE CASUALTY IS EVALUATED BY THE CORPSMAN. COMMUNICATION WILL TAKE PLACE USING A NATO 9-LINE AND WILL BE MADE BY THE OIC, RSO, OR CORPSMAN. DAYTIME LZ FOR AIR CASEVAC WILL BE MARKED BY A TACTICAL VEHICLE WITH AIR PANEL AND NIGHT TIME WILL BE WITH USING A CHEMSTICK BUZZSAW OR LZ MARKING PUCK. THE PRIMARY MEANS WILL BE AAV TO 3D AABN RAMP, AMBULANCE or POV TO 21 AREA BAS OR NAVAL HOSPITAL.

(A) URGENT AND PRIORITY CASUALTIES. IN THE EVENT OF AN URGENT OR PRIORITY CASUALTY THE CORPSMAN WILL PROVIDE INITIAL EVALUATION AND TREATMENT OF THE INJURED MARINE. LONGRIFLE WILL BE CONTACTED IMMEDIATELY. IN THE CASE OF A GROUND MEDEVAC THE INJURED MARINE WILL BE TRANSPORTED VIA SAFETY VEHICLE TO A HIGHER ECHELON OF MEDICAL CARE. DEPENDING ON THEIR INJURY THEY WILL BE TRANSPORTED TO 3D AABN RAMP. IF AN AMBULANCE TRANSFER IS NOT NECESSARY THEY WILL BE TRANSPORTED TO 21 AREA BAS OR THE NAVAL HOSPITAL VIA THE SAFETY VEHICLE.

(B) ROUTINE CASUALTIES. IF A ROUTINE CASUALTY OCCURS IN ANY OF THE TRAINING AREAS TRAINING WILL CEASE AND LONGRIFLE WILL BE NOTIFIED. THE CORPSMAN WILL PROVIDE INITIAL ASSESSMENT AND TREATMENT. BASED ON THE RECOMMENDATION OF THE CORPSMAN AND THE SEVERITY OF THE INJURY THE OIC/ RSO WILL DETERMINE IF THE MARINE WILL REMAIN IN THE FIELD OR NEEDS TO BE TRANSPORTED BACK TO THE 21 AREA BAS.

(5) TRAINING AND READINESS EVENTS

| | |
|---------------|---|
| AAV-AMPH-3002 | EMPLOY AAV AFLOAT |
| AAV-AMPH-4001 | CONDUCT WATERBORNE OPERATIONS |
| AAV-CSS-4001 | CONDUCT RECOVERY OPERATIONS |
| AAV-AMPH-4003 | RECOVER DISABLED AAV IN WATER |
| AAV-AMPH-3002 | EMPLOY AAV AFLOAT |
| AAV-AMPH-3003 | CONDUCT VEHICLE EMERGENCY PROCEDURES AFLOAT |

SIGNATURE/DATE

CO CMDR

(b)(3), (b)(6), (b)(7)(c)

| | |
|----------------|-----------------------------------|
| 1833-AMPH-2003 | CONTROL UNIT MANEUVER AFLOAT |
| 1833-AMPH-2004 | CONDUCT SHORE-TO-SHORE OPERATIONS |

B. LOGISTICS

(1) AMMO.

| AMMUNITION | DODIC | QUANTITY |
|-------------------------|-------|----------|
| SIGNAL, ILLUM STAR WHIT | L172 | 14 |
| SIGNAL, ILLUM STAR RED | L170 | 14 |

(2) FOOD, WATER, REFUEL. THE PLATOON WILL HAVE 74 CASES OF MRE'S TO SUSTAIN THE ENTIRETY OF THE TRAINING EXERCISE. EACH AAV WILL CARRY 15 GALLONS OF WATER FOR THE ENTIRETY OF THE TRAINING.

(3) RECOVERY ASSETS. THE PLATOON WILL HAVE (10) TOW BARS. THE PLATOON SERGEANT'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE PLATOON. THE ASSISTANT SECTION LEADER'S VEHICLE WILL BE THE PRIMARY RECOVERY TEAM WITHIN THE SECTION. DURING AMPHIBIOUS OPERATIONS TOW ROPES WILL BE UTILIZED TO RECOVER VEHICLES.

5. COMMAND AND SIGNAL:

A. COMMAND

(1) POINTS OF CONTACT. PLATOON COMMANDER (b)(3), (b)(6), (b)(7)(c)
PLATOON SERGEANT (b)(3), (b)(6), (b)(7)(c)

(2) LOCATION OF KEY LEADERS. OIC WILL BE LOCATED IN VEHICLE 3-15-04. PLATOON SERGEANT WILL BE IN VEHICLE 3-15-12 WITH THE CORPSMAN DURING MOVEMENTS.

B. SIGNAL.

| DESCRIPTION | PRIMARY | ALTERNATE | CONTINGENCY |
|--------------|---------|----------------------|--------------------|
| AAV DISABLED | VHF | NOVEMBER FLAG RAISED | WHITE STAR CLUSTER |
| AAV SINKING | VHF | NOVEMBER FLAG WAVED | RED STAR CLUSTER |

SIGNATURE/DATE

CO CMDR

(b)(3), (b)(6), (b)(7)(c)

ENCLOSURE (7)

| | | | | |
|-----------------------------|---------|-----------|-------------|--------------------------|
| | PRIMARY | ALTERNATE | CONTINGENCY | EMERGENCY |
| RANGE CONTROL - "LONGRIFLE" | (b)(2) | | | KEY LEADER CELL PHONE |
| PLATOON | | | BLACK GEAR | KEY LEADER CELL PHONE |
| BATTALION | | | JBC-P | |
| OFFICIAL | | | | |
| COMMANDING | | | | |
| (b)(3), (b)(6), (b)(7)(c) | | | | |

| | |
|----------------|---|
| SIGNATURE/DATE | C |
| CO CMDR | S |

(b)(3), (b)(6), (b)(7)(c)

TE
200526-20200527

UNIT
AAV Platoon, Company B,
Battalion Landing Team 1/4

RANGE/T.
TA-Del Mar Boat Basin

TRAINING TO BE
CONDUCTED
Amphibious
Training

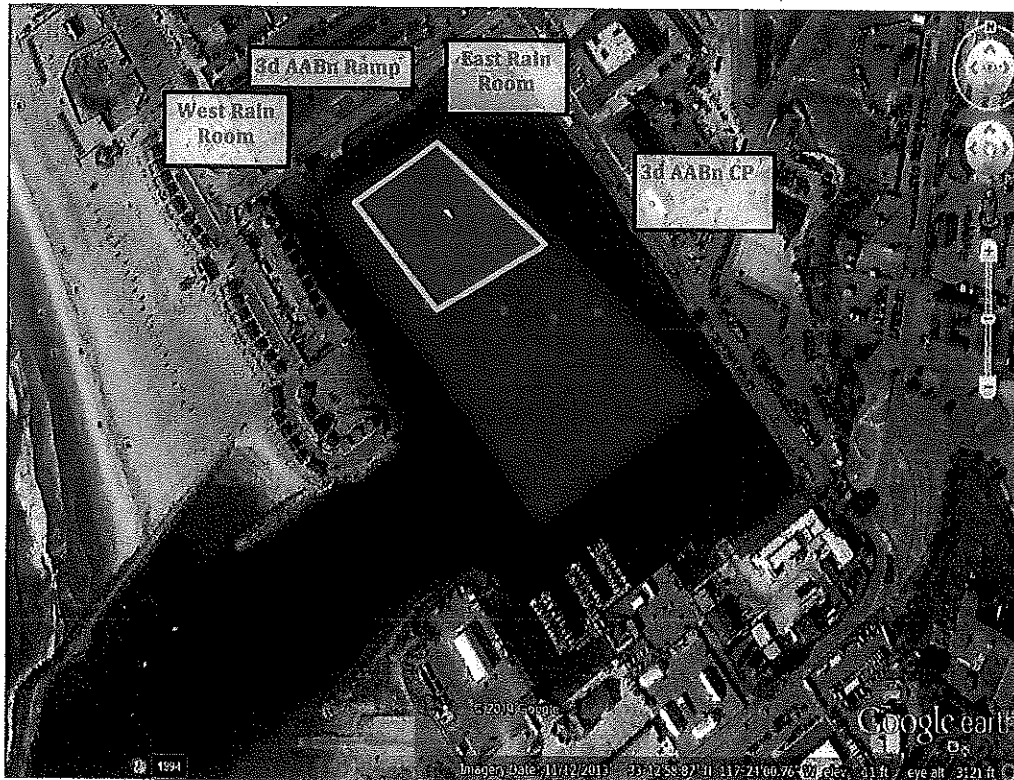
IC

RSO

PERSONNEL
1 MO 57 ME
1 NE

(b)(3), (b)(6), (b)(7)(c)

On 26/27 May the AAV Platoon executes amphibious operations in the Boat Basin in order to enhance proficiency of crew level driving and recovery procedures, as well prepare the vehicles to support future amphibious training.



TIMELINE

26/27 MAY
0500 MARINES ARRIVE AT RAMP/
PERSONAL GEAR LOADED
0600 ARMORY DRAW
0700 COMM LOADED, PRE-
OPERATIONAL CHECKS VERIFIED
0730 PLATOON BRIEFED ON BOAT
BASIN OPERATION AND MOVEMENT
TO TAA WB
0800 FIRST SECTION FEET WET
IN BOAT BASIN
0900 SECOND SECTION FEET WET
IN BOAT BASIN
1000 THIRD SECTION FEET WET
IN BOAT BASIN
1100 COMMAND SECTION FEET WET
IN BOAT BASIN
1300 REMEDIATION
1600 PLATOON ARRIVES AT BLUE
BEACH, SUROB CONDUCTED
1800 SECTION LEVEL DRIVER
SUSTAINMENT/ FORMATION
DRIVING
2000 ALL VEHICLES FEET DRY/
POST OPERATIONS/ SECTION
LEADERS FRAGGED
2200 BIVOUAC

Evaluator/ A.I. Requirements

Plt Cmdr/Plt Sgt/Section Leaders will evaluate crew splashes and recoveries.

TRANSPORT
N/A

LOGISTICS
(5) DOS
chow/water
provided by
B CO

UNIFORM
Frog Gear with
boonie cover, PPE
Level 1 (plate
carrier w/
front/rear SAPIs,
Kevlar,
eyepro/earpro)

COMMUNICATION PLAN

AAVs will utilized VHF as
primary, with PRC-117 and 150
as secondary for the exercise
Comms w/ Longrifle via AAV or
PRC-117/150 (SC/PT).

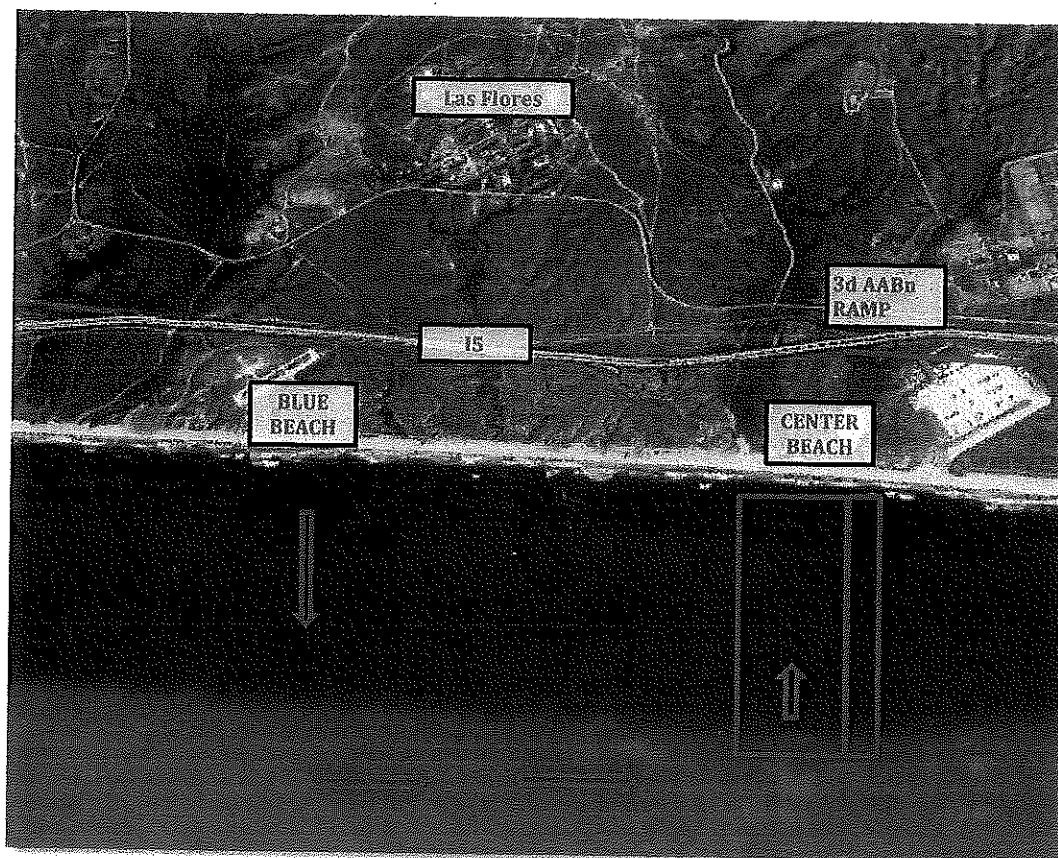
MEDICAL REQ.
(1) Corpsman will
be located in AAV
3-15-12

ENCLOSURE (63)

| | | | |
|---------------------------|---|---------------------------------|---|
| DATE 20200527-20200529 | UNIT AAV Platoon, Company B, Battalion Landing Team 1/4 | RANGE/TA TA-Blue Beach/CPAVA | TRAINING TO BE CONDUCTED Amphibious Training |
| OIC | | | PERSONNEL 1 MO 57 ME 1 NE |

(b)(3), (b)(6), (b)(7)(c)

MISSION: ON 27-29 May the AAV Platoon executes amphibious operations at blue beach in order to enhance proficiency of the Sections and Platoon to support future amphibious training ISO the 15th MEU.



TIMELINE

27/28 MAY
0500 MARINES ARRIVE AT RAMP/
PERSONAL GEAR LOADED
0600 ARMORY DRAW
0700 COMM LOADED, PRE-
OPERATIONAL CHECKS VERIFIED
0730 PLATOON COONDUCTS
MOVEMENT TO BLUE BEACH
0800 SUROB CONDUCTED
0900 SECTIONS BRIEF SCHEME OF
MANEUVER
1000 SECTIONS FEET WET
1300 ALL VEHICLES FEET DRY/
POST OPERATIONS/ SECTION
LEADERS FRAGGED
1330 ASSISTANT SECTION
LEADERS BRIEF AND EXECUTE
AMPHIBIOUS OPERATION
1600 ASSISTANT SECTION
LEADERS COMPLETE AMPHIBIOUS
OPERATION
1630 SECTION LEVEL REHEARSALS
OF IMMEDIATE ACTION DRILLS
1800 PREPARATION FOR SECTION
LEVEL NIGHT EXERCISE
2000 SECTIONS FEET WET
2300 BIVOUAC
0600 REVEILLE
29 MAY
0700 PRE-OPERATIONS FOR WATER
OPS
0800 PLATOON LEVEL FORMATION
DRIVING AND LANDING
0900 PREPARE VEHICLES FOR
IMMEDIATE ACTION DRILLS
1000 SECTION IED IMMEDIATE
1200 PREPARATION FOR PLATOON
SPLASH (REMEDIATION)
1400 PLATOON EXERCISE
COMPLETE (REMEDIATION)
1500 RETROGRADE TO 3D AABN

Evaluator/ A.I. Requirements

Plt Cmdr/Plt Sgt will evaluate Section briefs and landings.

Section Leaders will evaluate assistant section leader briefs and landings.

| | | |
|---|--|---|
| TRANSPORT N/A | LOGISTICS (5) DOS chow/water provided by B CO | UNIFORM Frog Gear with boonie cover, PPE Level 1 (plate carrier w/ front/rear SAPIs, Kevlar, eyepro/earpro) |
| COMMUNICATION PLAN AAVs will utilized VHF as primary, with PRC-117 and 150 as secondary for the exercise Comms w/ Longrifle via AAV or PRC-117/150 (SC/PT). | | MEDICAL REQ. (1) Corpsman will be located in AAV 3-15-12 |

ENCLOSURE (6)



T&R Tasks

- 1833-GNRY-1101 Install M2 .50 Cal HB Machine Gun
- 1833-GNRY-1110 Install MK 19 Mod 3 40mm Machine Gun
- 1833-GNRY-1118 Install M240G 7.62mm Machine Gun on AAVC7A1
- 1833-CMDC-1205 Identify Standard Flags, Lights, and Markers Used to Control AAV
- 1833-VOPS-1301 Conduct Preoperations Checks
- 1833-VOPS-1302 Conduct Water Preoperation Checks
- 1833-VOPS-1306 Start AAV Engine Under Normal Conditions
- 1833-VOPS-1310 Operate AAV on Land
- 1833-VOPS-1311 Operate AAV in Water
- 1833-VOPS-1316 Refuel an AAV
- 1833-TAC-1707 Conduct Evacuation of Personnel from Disabled/Sinking AAV
- 1833-VOPS-2303 Maintain Night Vision Goggles
- 1833-VOPS-2304 Operate Night Vision Goggles

UNCLASSIFIED

ENCLOSURE (6)



T&R Tasks Cont



- 1833-AMPH-2606 Develop Surf Observation (SUROB) Report
- 1833-AMPH-2608 Supervise Splash Team Operations
- 1833-TAC-2705 Prepare AAV for Night/Limited Visibility Operations
- 2141-MAIN-1002 Operate AAV

ENCLOSURE (3)

UNCLASSIFIED

Training Support Request

(b)(3), (b)(6), (b)(7)(c)

| | | | | |
|------|-----------|------|----------|--------------|
| DATE | 5/12/2020 | UNIT | BRAVO CO | SUBMITTED BY |
|------|-----------|------|----------|--------------|

Scheme of Maneuver/Clarifying Instructions:

SUPPORT REQUEST IS FOR BRAVO COMPANY AAV PLATOON'S AMPHIBIOUS SUSTAINMENT TRAINING

S-2 Support Requested

| Type | Quantity | Description |
|-------------------|----------|---------------------------------------|
| Maps | 55 | CAMP PENDLETON MAP 1:50,000 LAMINATED |
| Imagery | | |
| UAS | | |
| Training Packages | | |

32 COMMENTS

REQUESTING MAPS FOR AMPHIBIOUS TRAINING AS WELL AS
FUTURE OPERATIONS ON BOARD CAMP PENDLETON.

| | | | |
|----|---------------|---------------|-----------|
| 82 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

| DETAILS | |
|-------------------------|---|
| Type of Training | AMPHIBIOUS SUSTAINMENT TRAINING |
| Training Areas | DEL MRR BOAT BASIN / BLUE BEACH / CP AAV TA |
| ACNI # | |
| CO-USE REQUIREMENT: Y/N | Y |
| Departure Date/Time | 26 MAY 2020/0800 |
| Hot Date/Time | |
| Cold Date/Time | |
| OTC | |
| RSO | (b)(3), (b)(6), (b)(7)(c) |
| # Of Marines Training | 59 |

83 COMMENTS

CO-USE HAS BEEN COORDINATED WITH AAS BN FOR THE DEL
MAR BOAT BASIN ON 26 MAY 2020.

| | | | |
|----|---------------|---------------|-----------|
| 63 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

Rations (MRE/Hot Chow)

| PAX | | MARINE | | | NAVY | | | TOTAL | ROSTERS | | |
|---|----------|---------------------------|--|---------|----------|--------------------|-----------|-----------|-----------------|------|------|
| Officer | Enlisted | Enlisted w/Comrats | | Officer | Enlisted | Enlisted w/Comrats | | Submitted | | | |
| 1 | 57 | 15 | | 0 | 1 | 1 | 59 | YES | | | |
| Person to Pick-Up Chow | | (b)(3), (b)(6), (b)(7)(c) | | | | DATE | 21-May-20 | LOC | 21 AREA AAV RAM | TIME | 1000 |
| Chow Plan | | Breakfast | | | | | | Dinner | | | |
| MRE, UGR-HS, UGR-A (Vat), Box Lunch, Chow | | MRE | | | | MRE | | MRE | | | |
| Ide (Plan for 3 lbs/Marine) | | Y/N | | N | | | | | | | |

| PAX | TRAINING AREA LOCATION AND GRID | START DATE | END DATE |
|-----|---------------------------------|------------|-----------|
| 59 | BLUE BEACH (11S MS 601 785) | 27-May-20 | 29-May-20 |

MEDICAL

| NUMBER OF CORPSMAN | REPORT DATE/TIME/LOCATION | RETURN DATE/TIME | REPORT TO |
|--|---------------------------|------------------|-----------|
| | | | |
| REMARKS: CORPSMAN SUPPORT ORGANIC TO THE PLATOON | | | |

84 CONTENTS

REQUESTING MRE'S DELIVERED AT 21 ABER AAV RAMP.

Transportation ('Time' is show-time for vehicles)

| PICKUP | | | | | | RETURN | | | | | |
|---|------|-----|-------|----------|-------------|--------|------|-----|-------|----------|-------------|
| DATE | TIME | PAX | CARGO | LOCATION | DESTINATION | DATE | TIME | PAX | CARGO | LOCATION | DESTINATION |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| TRANSPORTATION PREFERENCES (i.e. bus, van, 7 ton, etc.) | | | | | | | | | | | |

Tactical Vehicle Request

[illegible]

VEHICLES WILL NOT BE DISPATCHED UNLESS FMCS ARE COMPLETED FOR THE WEEK

| | | | |
|-----------------------|--|-------------------|---------------|
| MAG DRIVER(S) N/ RANK | | DELIVERY LOCATION | |
| TIME OF DELIVERY | | | |
| TIME/DATE OF PRESTAGE | | GUNNER'S APPROVAL | DATE RECEIVED |
| TIME/DATE OF PICKUP | | | DATE APPROVED |

ENCLOSURE (C3)

1st Battalion 4th Marines

Training Support Request

| Qty | DODIC | NOMENCLATURE |
|------|--|--------------|
| A059 | CTG, 5.56MM BALL F/M16A2 | |
| A063 | CTG, 5.56MM TR F/M16A2 | |
| A064 | CTG, 5.56MM BALL TR 4/1 F/SAW | |
| A075 | CTG, 5.56MM BLANK LKD F/SAW | |
| A080 | CTG, 5.56MM BLK F M16A1/A2 | |
| A131 | CTG, 7.62MM 4 BALL M80/17CR M62 LKD | |
| A358 | CTG, 9MM PRAC AT-4 | |
| A363 | CTG, 9MM BALL PISTOL (NEM) | |
| A576 | CTG, .50 CAL LKD 4 API/API-T F/M2 | |
| A606 | CTG, .50 CAL API MK 211-0 | |
| A811 | CTG, 7.62MM M118 L RANGE | |
| A811 | CTG, 9MM SPOTTING RIFLE (SPAW) | |
| B519 | CTG, 40MM PRAC M781 | |
| B515 | CTG, 40MM WHITE STAR PARA | |
| B542 | CTG, 40MM HEED M430/M430A1 LKD (MK 19) | |
| B546 | CTG, 40MM HEED LOWVEL LCHD | |
| B642 | CTG, 60MM HE M120 LCMCS W/HOF | |
| B647 | CTG, 60MM ILLUM M721 | |
| BA14 | CTG, 60MM WP M722A1 | |
| BA21 | CTG, 40MM PRAC | |
| C454 | CTG, 81MM ILLUM INFRARED | |
| C869 | CTG, 81MM HE M889 | |
| C870 | CTG, 81MM SMK RP M819 (IUK) | |
| C871 | CTG, 81MM ILLUM M853 (IUK) | |
| C955 | CTG, 84MM 4 LNCHE M136 (AT-4) | |
| G878 | FUZE, M228 F/G811 | |
| G881 | HG, FRAGMENTATION M67 | |
| G945 | HG, SMK YEL | |
| G963 | HG, RIOT CE M7 | |
| G962 | HG, SMK YNG M82 | |
| HA21 | ROCKET, 21MM SUB-CALIBER, M72AS | |

| Qty | DODIC | NOMENCLATURE |
|------|--|--------------|
| HA29 | RKT, 66MM HE M72A7 (LAW) | |
| HK05 | RKT, 83MM ASSAULT, (SMAW) | |
| J007 | MINE, APERS-T M18A1 W/Accessories | |
| K765 | RIOT CNTRL AGENT CS CAPSULE | |
| L307 | SIG, ILLUM WS CLUSTER M159 | |
| L312 | SIG, ILLUM WS PARA M127A1 | |
| L495 | FLARE, SURFACE TRIP M49A1 | |
| L552 | TOW BLAST SIMULATOR | |
| L594 | SIM, PROJ GRND BURST M115A2 | |
| L598 | SIM, BOOBYTRAP FLASH M117 | |
| L599 | SIM, BOOBYTRAP ILLUM M118 | |
| M028 | DEMO KIT, BANGALORE TORP M1R2 | |
| M030 | CHG, DEMO BLK 1/4LB TNT | |
| M032 | CHG, DEMO BLK 1LB TNT | |
| M130 | CAP, BLST ELEC M6 | |
| M131 | CAP, BLST NON-ELEC M7 | |
| M456 | CORD, DET TYPE-1 | |
| M670 | FUZE, BLST TIME M700 (U/I FT) | |
| M757 | CHG, ASSY DEMO KIT M183 C4 16X1-1/4LB | |
| M808 | IGNITER, BLST TIME FUSE M81 | |
| M875 | DEMO KIT, ANTI-PERS OBSTN BRPECH SYS MK7-1 (APORS) | |
| WH03 | GM, TOW-2 SURF ATK BGM 71D-5 | |
| WH06 | GM, TOW PRAC | |
| A111 | CTG, 7.62MM BLANK LNKD | |
| A598 | CTG, .50 CAL BLK LNKD | |
| G940 | HG, GREEN SMOKE | |
| G920 | HG, STUN | |
| MN52 | INITIATOR, DUAL SHOCK TUBE W/CAPS | |
| | OTHER (SPECIFY DODIC AND NOMENCLATURE) | |
| | OTHER (SPECIFY DODIC AND NOMENCLATURE) | |
| | OTHER (SPECIFY DODIC AND NOMENCLATURE) | |

| | | | |
|---------------------------------|-----------|---------------------------------|-----------|
| ORDNANCE TO BE LTI/PFI | YES NO | ARMORER SUPPORT AT RANGE NEEDED | Y N X |
| NO EARLIER THAN DATE OF LTI/PFI | N/A | NO LATER THAN DATE OF LTI/PFI | N/A |
| Date of Weapons Draw | 26-May-20 | Date of Weapons Return | 29-May-20 |
| Time of Weapons Draw | 0500 | Time of Weapons Return | 1100 |

| NOMENCLATURE | QTY |
|---------------|-----|
| M9 PISTOL | |
| M16A1 RIFLE | |
| M203 | |
| M4 CARBINE | |
| M249 SAW | |
| M32 MSGI | |
| M240B MG | |
| M2 .50 CAL MG | |
| MK-19 | |
| MK-153 SMAW | |
| M224 60MM | |
| M282 81MM | |
| M41A1 SABER | |

Equipment to be LTI/PFI (Estimate quantities)

| NOMENCLATURE | QTY |
|---------------------|-----|
| M1014 | |
| M40A3/AS | |
| M107 SABR | |
| M72 LAW TRAINER | |
| MK93 | |
| M35 COYOTE MOUNT | |
| M3 TRIPOD | |
| M122 TRIPOD | |
| MK64 MOUNT | |
| JAVELIN BST | |
| JAVELIN FTT | |
| COMMAND LAUNCH UNIT | |
| FLDR | |

| NOMENCLATURE | QTY |
|------------------|-----|
| AN/PQ-18A | |
| AN/PVS-17C | |
| AN/PVS-24 | |
| AN/PQ-16 | |
| AN/PVS-14 | |
| AN/PVS-28 | |
| AN/PAS-13B (V2) | |
| AN/PAS-13D (V2) | |
| AN/PAS-13D (V3) | |
| M22 BINO (LARGE) | |
| M24 BINO (SMALL) | |
| TELID II | |
| LASER BORE SIGHT | |

| NOMENCLATURE | QTY |
|-----------------|-----|
| M27 | |
| M38 | |
| M320 GL | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |
| OTHER (SPECIFY) | |

| | | | |
|----|---------------|---------------|-----------|
| 84 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

| NOMENCLATURE | Qty | Pick-Up | | Return | |
|--------------------|-----|---------|------|--------|------|
| | | DATE | TIME | DATE | TIME |
| PRC-152 | | | | | |
| PRC-153 | | | | | |
| PRC-119 | | | | | |
| PRC-119F | | | | | |
| PRC-117 | | | | | |
| PRC-150 | | | | | |
| VRC-110 | | | | | |
| VRC-89 | | | | | |
| VRC-90 | | | | | |
| MRC-145 | | | | | |
| COMM-201B | | | | | |
| OE-254 | | | | | |
| CYE-10 | | | | | |
| DTCS | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| OTHER (SPECIFY) | | | | | |
| FREQ/NET ID | | | | | |
| Days Batteries Req | | | | | |

| |
|-------------------------------------|
| 36 COMMENTS |
| COMM EQUIPMENT INTERNAL TO PLATOON. |

| | | | |
|----|---------------|---------------|-----------|
| 86 | DATE RECEIVED | DATE APPROVED | SIGNATURE |
|----|---------------|---------------|-----------|

ENCLOSURE (6)

OPERATIONAL RISK MANAGEMENT MATRIX
Marine Corps Base Camp Pendleton

| TRAINING EVOLUTION: Amphibious Training Blue Beach, Boat Basin | | ORGANIZATION: BLT 1/4 Bravo CO AAV Plt | Assigned OIC: (b)(3), (b)(6), (b)(7)(c) | | Assigned RSO: | | Weapons Systems: M2 .50 cal Mk19 40mm M240B 7.62mm | | Date: 20200526-20200529 | |
|--|--|--|--|--|---------------|---|---|---|--------------------------------|--|
| OPERATIONAL PHASE | HAZARD | CAUSES | INIT RAC | DEVELOP CONTROLS | RES RAC | HOW TO IMPLEMENT | | HOW TO SUPERVISE | | |
| Phase II/III | AAV Sinking | -Vehicle collision. -Vehicle noses down while moving in water. -Mechanical Failure. -Improper pre-water operations checklist completed. | ID=3 | -50m dispersion unless conducting recovery. -Water tight integrity checks. . -2200 RPM speed limit. -Common SOP for amphibious operations. | IID=4 | -Platoon briefed operations order. -Designate splash team. -Provide section leaders and Platoon Sergeant with Pre-Water Ops checklist. | | -OIC/RSO monitor splashes and speeds. -Platoon Sergeant or 1st section leader command splash team. -Section leaders inspect pre-water op checklist after completion. | | |
| Phase II/III | Personnel Drowning / Falling off AAV | -LPU's serviceability not checked prior to executing training. -Marines not maintaining 3 points of contact on top of vehicles. | IIC=3 | -Common SOP for Amphibious Operations. -Pre-operation checklists include LPU serviceability. | IID=4 | -Vehicle Commanders conduct PCCs/PCIs to include LPU's inspection. | | -Section Leaders monitor PCC's / PCI's for their section. -OIC/RSO conduct safety brief prior to executing training. | | |
| Phase III | Vehicle accident while operating at night on land and in water | -Night Vision Devices (NVDs) not functioning properly. -Ground guides not utilized in congested areas. -Crew unfamiliar with night operations. | I/C=2 | -All night optics op-checked prior to departing for TA, and before dark each night. -All Marines utilizing NVD's while conducting night-time movements. -Night time marking plan. -Ground guide according to Standard Operating Procedures. | I/D=3 | -Vehicle commanders function check the NVDs on their own vehicle. -Marines driving are briefed that they are required to wear NVDs during each night-time evolution. -Platoon briefed on night scheme of maneuver. -Chem lights are used by ground guides to move AAV's. | | -Section leaders and Platoon Sergeant spot check NVDs for function. -Section Leaders conduct ROC walk for night time considerations during amphibious operations. -Ensure ground guides have chem lights to ground guide. | | |
| All Phases | Vehicle fire resulting in injuries. | -Mechanical malfunctions which cause fire. | I/C=2 | -Vehicle Commanders report any potentially dangerous problems. -Vehicle not utilized until mechanical issue is resolved. -Manual fire bottles on every AAV inspected and weighed by maintainers. -AFSSS tested by maintainers. | I/D=3 | -Vehicle commanders monitor status of vehicles. -Vehicle Commanders check fire bottle tags prior to operation to ensure date is current. -Vehicle commanders verify AFSSS is unobstructed by SL-3. | | -Section leaders monitor maintenance issues and report to Platoon Sergeant. -Platoon Sergeant ensures all vehicles operating have no mechanical issues. -Marines back brief section leaders on proper use and status of manual fire bottles. -Section leaders inspect sections to verify AFSSS is unobstructed in all vehicles and fire bottles have current tags. | | |

ENCLOSURE (9)

| | | | | | | | |
|--------------|-----------------------------|--|---------|---|---------|--|--|
| All Phases | Land Collision | <ul style="list-style-type: none"> -Operating at unsafe speeds. -Following too close. -Improper dispersion | IIC=3 | <ul style="list-style-type: none"> -Establish rates of march. -Establish dispersion for day and night movements. -Vehicle Commander navigating driver. | IID=4 | <ul style="list-style-type: none"> -Rate of march and dispersion covered in op order. -Safety brief with emphasis on ground guided in congested areas. | <ul style="list-style-type: none"> -Section leader monitors speed/dispersion. -Vehicle commander supervision speed, dispersion, route selection. |
| Phase II/III | Vehicle Recovery Accidents | <ul style="list-style-type: none"> -Improper towing procedures utilized. -Equipment failure while towing. | IIC=3 | <ul style="list-style-type: none"> -Common SOP for Amphibious Operations. -AAV recovery TTP's understood by Marines. -Pre-operation checklists include recovery equipment. | IID=4 | <ul style="list-style-type: none"> -Section leaders have Marines rehearse recovery operations/SOP. -Provide Pre-Water Op Checklists for recovery equipment. | <ul style="list-style-type: none"> -Vehicle Commanders monitor recovery operations. -OIC/RSO conduct safety brief on recovery operations. |
| All Phases | Personnel injuries on AAVs. | <ul style="list-style-type: none"> -Marines injured by unsecured hatches, improperly stowed gear. -Improper mounting of AAV. -Improper wear of PPE. | II/C=3 | <ul style="list-style-type: none"> -All hatches and gear are strapped down according to SOP. -Ensure personnel maintain 3 points of contact when mounting the AAV. -Enforce proper PPE while on AAV (i.e. eye protection, ear protection, gloves, steel toe boots, plate carrier). | II/D=4 | <ul style="list-style-type: none"> -Leadership supervises stowage of gear. -Conduct a brief on safety precautions within the Common SOP; to include wearing PPE, "chest- high" defilade in the hatches and safe practices. | <ul style="list-style-type: none"> -Vehicle commanders supervise crews to ensure proper stowage of gear and hatch security. -Platoon leadership supervise the platoon to ensure PPE is worn and SOP's are being followed. -Section leaders supervise sections to ensure Marines are properly mounting vehicles. |
| All Phases | Hazmat/Fuel Spill. | <ul style="list-style-type: none"> -Vehicle malfunction or while doing maintenance repairs. -Not cleaning POL's out of hull. | III/C=4 | <ul style="list-style-type: none"> -Once hazmat spill or potential is discovered, Marines properly clean, report, and control the spill. -Adequate control materials are brought to field. | III/D=5 | <ul style="list-style-type: none"> -Vehicle commanders monitor all hazmat spills to ensure they are handled properly. -Hazmat procedures are briefed to the Marines prior to leaving the RAMP. -Hazmat rep ensures adequate materials are present on each vehicle prior to leaving field. | <ul style="list-style-type: none"> -Section leader monitors hazmat spills to ensure proper techniques are followed. -Vehicle commanders back brief platoon leadership on hazmat procedures prior to leaving RAMP. -Platoon sergeant ensures Hazmat rep has provided adequate materials before leaving RAMP. |
| All Phases | LZ FOD (CASEVAC) | <ul style="list-style-type: none"> -Blowing visible FOD due to rotor wash. | I/C=2 | <ul style="list-style-type: none"> -Ensure that landing surface/LZ is clear of FOD prior to conducting landing operations. | I/D=3 | <ul style="list-style-type: none"> -Have a fire team size group of Marines sweep the LZ before landing. | <ul style="list-style-type: none"> -Platoon commander/Platoon sergeant visually inspect landing zone. |

ENCLOSURE (63)

| | | | | | | | |
|---------------|-------------------------------------|--|--------|---|--------|---|---|
| All Phases | Loss of personnel and/or equipment | - Lack of accountability for personnel and/or gear. | IID=5 | -Op Order covers Lost Marine Plan -EDL rosters on hand. -NVG's dummy corded to body. | IVD=5 | - Accountability and EDL checks periodically throughout training. -Platoon Sergeant verifies morning/evening EDL. -Prior to operation ensure all NVG's have 550 chord attached. | -Platoon Leadership ensures strict accountability and briefs chain of command in any instance where a Marine or piece of equipment is not accounted for. -Spot check dummy corded NVG's. |
| All Phases | Weather exposure casualties (Heat). | -Marines not eating/drinking properly. -Excessive heat of vehicle when wearing PPE. | II/C=3 | -Vehicle commanders monitor all crew members to ensure they are eating and drinking enough water. -Any time vehicles are not needed for rehearsals, crew members remove PPE and turn off the vehicle unless moving outside of it. -Each vehicle has (2) two designated water jugs and a cami net. | II/D=4 | -Marines briefed on importance of nutrition/hydration in the field. -Section leaders ensure adequate water on each vehicle prior to rehearsals. | -Marines back brief Platoon commander on importance of hydration/nutrition. - Platoon Sergeant ensures Marines are provided with food and water. -Corpsman observes Marines to ensure they are not becoming weather casualties. -Vehicle Commanders monitoring Crewman's hydration/ nutrition. |
| All Phases | Wildlife/ Environmental Hazards | -Marines harassing animals - Operating in environmental protected areas. | IIC=3 | -Brief animal/ environment considerations and their likely locations. -Verify environmental protected areas via environmental map. | IID=4 | -During OpOrder brief platoon environmental considerations/ markings. -During safety brief animal considerations. -Corpsman present. | -RSO/OIC briefs wildlife concerns and safe practices. -During transit platoon staff ensures vehicles stay clear of environmentally protected areas. |
| Phases II/III | Weather impeding training | -Sea State above sea state 3. -High winds, lightning. | IID=4 | -OIC/RSO shifts training exercise if needed to ensure maximum training is met. | IVD=5 | -OIC/RSO monitor any major storms moving in to the AO . -Surf Observation Report conducted in accordance with AAV Common SOP. | -OIC coordinates with S-2 for weather update prior to departing friendly lines. -OIC/RSO ensure proper Surf Observation Report completed. |

HAZARD SEVERITY

I - CATASTROPHIC - Death, permanent disability, major property damage
II - CRITICAL - Permanent partial disability, major system or minor property damage

III - MARGINAL - Minor injury, minor system or property damage

IV - NEGLIGIBLE - 1st aid, minor system repair

MISHAP PROBABILITY

A - FREQUENT, B - LIKELY, C - OCCASIONAL, D - UNLIKELY

RISK ASSESSMENT CODE (RAC)

1 - CRITICAL, 2 - SERIOUS, 3 - MODERATE, 4 - MINOR, 5 - NEGL

RAC ASSESSMENT CODE MATRIX

| H A Z A R D S E V E R I T Y | MISHAP PROBABILITY | | | | |
|--|--------------------|---|---|---|---|
| | | A | B | C | D |
| I | 1 | 1 | 1 | 2 | 3 |
| II | 1 | 2 | 3 | 4 | 5 |
| III | 2 | 3 | 4 | 5 | 5 |
| IV | 3 | 4 | 5 | 5 | 5 |

COMMAND REVIEW/APPROVAL

OIC

RSC

RSC

RSC

XO/

S-3:

BCC

(b)(3), (b)(6), (b)(7)(c)

15-8

520

ENCLOSURE (3)