

Zonal Inspection Requirements

Note

All areas opened for inspection shall be cleaned prior to inspection. All aircraft disassembly, cleaning, resealing and refinishing of defective surfaces of access panels is considered basic to this TRD (interior and exterior surfaces). Limit inspection to the extent of required disassembly.

5-1 Zonal Inspection Procedures/Requirements

Requirement - The depot activity shall perform zonal inspections utilizing the following guidelines. All discrepancies to aircraft finishes, interior and exterior surfaces, shall be corrected and are considered basic to this TRD. Zonal inspections shall be visual inspections except where noted. Zonal inspections shall be limited to the extent of open/disassembly/cleaning stated in Section 4 of this TRD for all aircraft surfaces, structure and installations located within a specific zone, unless specifically limited by inspection requirements. These are identified by the phrase "limit" or "limit to" preceding the inspection requirement.

- **Structure:** Inspect for corrosion, cracks, distortion, damage, loose and missing fasteners, defective sealant and seals.
- **Transparent Assemblies:** Inspect for scratches, cracks, crazing, delamination, defective sealant and seals, frames for cracks, corrosion, damage and security.
- **Mechanical Linkages and Actuating Mechanisms:** Inspect for cracks, corrosion; evidence of improper alignment and adjustment; damage and security.
- **Control Cables and Flexible Shafts:** Inspect for corrosion, fraying, chafing, kinks, untwisting, broken strands/wires; evidence of improper alignment, rigging and tension, security and lubrication.
- **Pulleys, Fairleads, Pressure Seals, Rub Strips, Cable End Fittings and Conduits:** Inspect for wear, evidence of improper alignment and adjustment, damage, and security.
- **Flexible Hoses:** Inspect for fraying, chafing, twisting, deterioration, proper routing, security, and evidence of leakage.
- **Tubing and Ducting:** Inspect for cracks, corrosion, chafing, and security; for evidence of leakage; for security and proper installation for end fittings and clamps.
- **Wiring and Wiring Components:** Inspect for evidence of overheating; chafing, fraying, deterioration, fluid damage and proper routing; splices, terminals, and connectors for damaged pins and deteriorated potting (when disconnected), security.
- **Instruments:** Inspect for evidence of overheating of electrical units; damaged face plates, interference with moving parts, security of units and attached wiring, hoses, and tubing.
- **Bearings:** Inspect in place, accessible bearings of mechanisms, control systems, engine control linkages, rod ends, pulleys, etc., for obvious damage.
- **Radomes and Antenna Covers:** Inspect for cracks, delamination, protective finishes electro-magnetically opaque material, improper sealing, or obvious misalignment.
- **General:** Inspect for security, cracks, corrosion, damage, distortion, interference, evidence of overheating and linkage, broken or missing parts, proper lubrication and bonding, and presence and legibility of markings.

Note

Aircraft received for DLM having patches or other repairs installed by organizational, intermediate or depot activities shall be evaluated by the following criteria:

- Repairs determined not to effect airworthiness shall be declared serviceable and shall not be replaced regardless of the requirements of the NA Q1-75PAA-3-1.
- Temporary repairs shall not be reworked to permanent repairs unless safety of flight is affected and approved by the AGR. Filler type repairs on control surfaces or other aircraft surfaces shall be smoothed and blended to a joining surface.

- Under no circumstances will previous installed repairs be placed in work or worked without the approval of the AGR.

5-1.2 Nacelles 1, 2, 3, and 4 External

Requirement - Inspect zones 1.3, 2.3, 3.3, and 4.3. These zones comprise the upper and lower surfaces of the nacelle including the cowling, door, access panels and the tail pipe enclosures. Provide a detailed inspection of the cowling and air inlet duct.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.3 Nacelle 1 and 4 Internal

Requirement - Inspect zones 1.4 and 4.4. Limit this inspection to areas opened in the disassembly requirements. These zones comprise the internal nacelle structure, and the upper and lower wing surfaces enclosed by the nacelle. Provide a detailed inspection of the forward spar cap and wing attach frame angle.

Note

In the event a QEC is required to be removed, inspect the lower longeron attachment, NS -53 left and right and NS -44, forward and aft.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.4 Nacelles 2 and 3 Internal

Requirement - Inspect zones 2.4 and 3.4. Limit this inspection to areas opened in the disassembly requirements. These zones comprise the internal nacelle structure, and the upper and lower wing surfaces enclosed by the nacelle. Provide a detailed inspection of the forward spar cap, lower longeron attachment, main landing gear fulcrum fittings, and main landing gear drag strut fittings.

Note

At opportunity, during main landing gear removal pay particular attention to the fulcrum fitting cap.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.5 Radome External

Requirement - Inspect zone 5.1. This zone comprises the external surface of the radome. It is located from (b) (7)(E) Limit this inspection to the structure.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.5.1 Radome Internal (LRT Aircraft Only)

Requirement - Inspect zone 5.2. This zone comprises of the radome internal area, forward pressure bulkhead and;

- AN/APG-63/66 Radar antenna.
- AN/APG-63/66 WRA(s).
- IRDS, WESCAM M20.

Provide a detailed inspection of the radome attachments, latches inside the nose section, IRDS retraction mechanism and supporting structure or radome plug (if installed), AN/APG-63/66 radar antenna and support structure, AN/APG-63/66 WRA(s) and support structure, and structural area under the eccosorb blankets.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.5.2 Radome Internal

Requirement - Inspect zone 5.2. This zone comprises the internal surface of the radome, radar antenna, and forward pressure bulkhead. Provide a detailed inspection TWR-850 weather radar antenna and support structure. Radome, latches inside the nose section, radar antenna and support structure, any weight ballast if installed, and structural area under the eccosorb blankets.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.6 Nose Landing Gear Wheel Well and Doors Internal

Requirement - Inspect zone 6.2. This zone comprises the structure, electrical and hydraulic components, windshield washer tank, APU fire extinguisher container, oxygen filter fill plumbing, and air conditioning system components. Provide a detailed inspection of nose landing gear wheel well truss, left and right side.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.7 APU/Air-Conditioning Service Bay Internal

Requirement - Inspect zone 7.1. This zone comprises the APU and air-conditioning system components. It is located below (b) (7)(E). Provide a detailed inspection of air conditioning and APU ducting, bleed air duct couplings, forward bomb bay structure, APU exhaust ducting, and exhaust duct sealer angle. Remove or peel back insulation blanket sufficiently to facilitate corrosion inspection of the duct.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.8 Bomb Bay and Doors Internal

Requirement - The depot activity shall perform a detailed inspection of APU ducting, bomb bay door actuator upper support fitting (b) (7)(E) bomb bay door up lock clevis, bomb bay door hinge, bomb bay door frames and corners, pressure deck beams (b) (7)(E) lower longeron forward fitting. Limit this inspection to areas opened in the disassembly requirements. The zone is located below (b) (7)(E) (b) (7)(E)

Performance Specification - This requirement is met when:

- Inspection has been completed;
- Discrepancies have been recorded and classified; and
- Discrepancies approved by the Government have been corrected.

5-1.9 Fuel Compartment Internal

Requirement - Inspect zone 8.2. This zone comprises the No 5A fuel tank and associated components. It is located below (b) (7)(E)

Note

If bladder cell is required to be removed, inspect pressure deck beams, (b) (7)(E) cavity, and aft bomb bay support structure.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.11 Water Alcohol / Service Bay

Requirement - Inspect zone 9.1. This zone comprises the air bleed ducts, fuel lines, and engine control cable runs. It is located below (b) (7)(E) (b) (7)(E). Provide a detailed inspection of lower longeron splices. (b) (7)(E)

NOTE

T2-CAS antenna is mounted to the water alcohol / service bay door.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.12 Left Wing Internal

Note

As with all zones of the aircraft (interior and exterior), defective sealant discrepancies located within this zone shall be corrected and are considered basic to this TRD. Support braces may require removal to facilitate inspection/repair requirements. Any brace(s) required to be removed is considered basic to this TRD.

- **Requirement** - Inspect zone 11.1. This zone comprises the internal wing structure, No 1 and No 2 fuel tanks, fuel boost pumps, and fuel system components. It is located between the front and rear spars from (b) (7)(E) (b) (7)(E). Provide a detailed inspection of rib attachments and "H" clips, rib diagonal braces, engine feed tube assembly, part number 925405-37, where it passes close to support braces, tank bulkheads at wing planks, and beam attach flange radii, main landing gear rib "tangs", rib cap installation, lower, at (b) (7)(E) (b) (7)(E), tank sealant and tank over coating

for deterioration or damage, components of: fuel system, fuel level indicating system, hydraulic system, nacelle attach plates at

(b) (7)(E) Wing stores fittings at (b) (7)(E)
(b) (7)(E) Forward spar caps, aft face, upper and lower, (b) (7)(E)
(b) (7)(E)

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.13 Right Wing Internal

Requirement - inspect zone 14.1. This zone comprises the internal wing structure, No 3 and No 4 fuel tanks, fuel boost pumps and fuel system components. It is located between the front and rear spars from

(b) (7)(E) Provide a detailed inspection of rib attachments and "H" clips, rib diagonal braces, engine feed tube assembly, part number 925405-37, where it passes close to support braces, tank bulkheads at wing plank and beam attach flange radii, main landing gear rib "tang", rib cap installation, lower, at (b) (7)(E) tank sealant and tank over coating for deterioration or damage, components of: fuel system, fuel level indicating system, hydraulic system, nacelle attach plates at (b) (7)(E), Wing stores fittings at (b) (7)(E), (b) (7)(E) Forward spar caps, aft face, upper and lower, (b) (7)(E), aft spar caps, forward face, upper and lower, (b) (7)(E).

Note

As with all zones of the aircraft (interior and exterior), defective sealant discrepancies located within this zone shall be corrected and are considered basic to this TRD. Support braces may require removal to facilitate inspection/repair requirements. Any brace(s) required to be removed is considered basic to this TRD.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.14 Left Wing External

Requirement - Inspect zone 11.2. This zone comprises external upper and lower surfaces of the wing, wing flap, aileron, access panels, electrostatic discharges, vents, drains, mooring point receptacle, wing pylon mooring fitting bolt holes and wing tip. It is located between (b) (7)(E)

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.15 Right Wing External

Requirement - inspect zone 14.2. This zone comprises the external upper and lower surfaces of the wing, wing flap, aileron, access panels, electrostatic discharges, vents, drains, mooring point receptacle, wing pylon mooring fitting bolt holes and wing tip. It is located between (b) (7)(E)

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.

- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.16 Left Wing Leading Edge Internal

Requirement - Inspect zone 11.5. This zone comprises the forward spar web face, electrical components, fuel components, hydraulic components, anti-ice components, and bleeds air components. It is located forward of the front spar between (b) (7)(E) Provide a detailed inspection of forward spar caps, and forward face, upper and lower, (b) (7)(E)

NOTE

The forward front spars will be inspected visual and ND, I from (b) (7)(E)

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.17 Right Wing Leading Edge Internal

Requirement - Inspect zone 14.5. This zone comprises the forward spar web face, electrical components, fuel components, hydraulic components, anti-ice components, and bleeds air components. It is located forward of the front spar between (b) (7)(E) Provide a detailed inspection of forward spar caps, and forward face, upper and lower, (b) (7)(E)

NOTE

The forward front spars will be inspected visual and NDI from (b) (7)(E)

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.18 Left Wing Tip Internal

Requirement - Inspect zone 11.6. This zone comprises the enclosure, structure, and electrical harness.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.19 Right Wing Tip Internal

Requirement - Inspect zone 14.6. This zone comprises the enclosure, structure, and electrical harness.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.20 Left Wing Trailing Edge Internal

Requirement - Inspect zone 11.7. This zone comprises the aft spar structure, spar web face, trailing edge structure, wing flap operating components, fuel system components, electrical components, and aileron operating components. Provide a detailed inspection of aileron counterweights, arms, spar

attachments, flap control panel interior, wing trailing edge doors, upper wing trailing edge skin, and wing trailing edge at horseshoes.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.21 Right Wing Trailing Edge Internal

Requirement - Inspect zone 14.7. This zone comprises the aft spar structure, spar web face, trailing edge structure, wing flap operating components, fuel system components, electrical components, and aileron operating components. Provide a detailed inspection of counterweights, arms, spar attachments, flap control panel interior, wing trailing edge doors, upper wing trailing edge skin, and wing trailing edge at horseshoes.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.22 Aft Fuselage - Internal

Requirement - Inspect zone 15.2. This zone comprises the internal fuselage structure, negative pressure relief valve components, flight control actuators, brackets, pulleys, electrical and hydraulic components and the aft side of the pressure bulkhead. It is located between (b) (7)(E) Provide a detailed inspection horizontal stabilizer root, lower plank attachment area (b) (7)(E) (b) (7)(E), the negative pressure relief valve (b) (7)(E) HF Coupler, Filter, and Lightning Diverter (b) (7)(E). Pay particular attention to the Urinal discharge tubing and drain port fitting. From (b) (7)(E).

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.23 Left Horizontal Stabilizer - Internal

Requirement - Inspect zone 15.3. This zone comprises the internal structure of the left horizontal stabilizer and leading edge including anti-icing and electrical components. It is located between (b) (7)(E) p. Limit inspection to the extent possible through access panels. Provide a detailed inspection of the leading edge, horizontal stabilizer spars, (b) (7)(E), especially at the damper mounting locations, horizontal stabilizer fittings at (b) (7)(E); forward, aft and internal horizontal stabilizer areas accessed from aft fuselage internal ("Hell Hold").

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.24 Right Horizontal Stabilizer - Internal

Requirement - Inspect zone 15.6. This zone comprises the internal structure of the right horizontal stabilizer and leading edge including anti-icing and electrical components. It is located between (b) (7)(E) Limit inspection to the extent possible through access panels. Provide a

detailed inspection of the leading edge, horizontal stabilizer spars, (b) (7)(E), especially at the damper mounting locations, horizontal stabilizer fittings at (b) (7)(E) forward, aft and internal horizontal stabilizer areas accessed from aft fuselage internal ("Hell Hole").

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.25 Left Horizontal Stabilizer, Trailing Edge and Elevator Internal

Requirement - Inspect zone 15.5. This zone comprises the internal structure of the left trailing edge, elevator, and tabs including hinges and link attachment. It is located aft of the rear spar. Limit inspection to the extent possible through access panels. Provide a detailed inspection of the elevator hinge fittings at elevator spars; elevator hinge fitting bearings, bushing and bolts; counterweights, arms, and spar attachment points; elevator hinge brackets at the horizontal stabilizer spar; elevator tab actuator attachment points.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.26 Right Horizontal Stabilizer, Trailing Edge and Elevator, Internal

Requirement - Inspect zone 15.8. This zone comprises the internal structure of the right trailing edge, elevator, and tabs including hinges and link attachment. It is located aft of the rear spar. Limit inspection to the extent possible through access panels. Provide a detailed inspection of the elevator hinge fittings at elevator spars; elevator hinge fitting bearings, bushing and bolts; counterweights, arms, and spar attachment points; elevator hinge brackets at the horizontal stabilizer spar; elevator tab actuator attachment points.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.27 Vertical Stabilizer, Internal

Requirement - Inspect zone 15.9. This zone comprises the internal structure of the vertical stabilizer, tip, and leading edge, including the area below the leading edge, forward of the front spar to the dorsal fin. It is located between (b) (7)(E). Limit inspection to the extent possible through access panels.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.28 Vertical Stabilizer, Trailing Edge and Rudder

Requirement - Inspect zone 15.10. This zone comprises the vertical stabilizer rear spar, rudder hinges, trim tab hinges and operating components and the internal structure of the rudder and trim tab. Limit inspection to the extent possible through access panels. Provide a detailed inspection of upper rudder torque tube fitting, bushings, bolts for wear and condition; rudder hinge attach points at rudder spar; rudder trim tab actuator attachment, and, rudder torque tube installation.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.30 Wing Center Section-External

Requirement - Inspect zone 16.1. This zone comprises the external upper and lower surfaces of the wing center section including areas beneath the lower surface fillets and floor beam support structure on the upper surfaces. It is located between (b) (7)(E). Provide a detailed inspection of the longeron lower cap (b) (7)(E) left and right; lower longeron splices, forward (b) (7)(E) left and right; lower longeron splices, forward (b) (7)(E) left and right.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.31 Wing Center Section-Internal

Requirement - Inspect zone 16.2. This zone comprises the center wing structure, the number 5 tank and components. It is located between (b) (7)(E). Provide a detailed inspection of the rib attachments and "H" clips; rib diagonal braces, center section spar, upper and lower, main ring fittings, forward and aft, (b) (7)(E) corner fittings, (b) (7)(E) bulkhead at wing planks and beam attach flange radii, (b) (7)(E) tank sealant and tank over coating for deterioration or damage. Fuel level indicating system and fuel dump components. BuNo 150506 and subsequent: External stores fitting, P/N 925506-1 and 925506-2 at (b) (7)(E) external stores fitting, P/N 925507-1 and 925507-2 at (b) (7)(E) and aileron booster support fittings.

Note

As with all zones of the aircraft (interior and exterior), defective sealant discrepancies located within this zone shall be corrected and are considered basic to this TRD.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.32 Wing Fairing Left - Internal

Requirement - Inspect zone 16.3. This zone comprises of left fairing support structure and the wing joint installation. Provide a detailed inspection of the main ring fittings, forward and aft.

Note

If repairs to main ring fittings are required, contact the AGR for repair instructions.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.33 Wing Fairing Right - Internal

Requirement -Inspect zone 16.4. This zone comprises of right fairing support structure and the wing joint installation. Provide a detailed inspection of the main ring fittings, forward and aft.

Note

If repairs to main ring fittings are required, contact the AGR for repair instructions.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.34.1 Flight Station Fuselage - External

Requirement -Inspect zone 17.1. This zone comprises the external surfaces of the flight station fuselage including access panels, doors, windshields and windows. It is located between (b) (7)(E) Provide a detailed inspection of the LRT aircraft's RTA-852-L Weather Radar Receiver/Transmitter/Antenna and GPS antenna.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected

5-1.34 Flight Station Fuselage - Internal

Requirement -Inspect zone 17.2. This zone comprises the flight controls, overhead control panels, crew seats, forward electrical load center, electronic and hydraulic components and the forward pressure bulkhead. This zone is located above (b) (7)(E) Provide detailed inspection of areas behind instrument panels, consoles, electronic rack, electrical load center and terminal board wire attachments. Inspect escape hatches and frames, floorboards, windshield frames and corner fittings.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected

5-1.35 Flight Station Fuselage Under floor - Internal

Requirement - Inspect zone 17.3. This zone comprises flight control mechanisms, oxygen system components, power plant controls, and structure. It is located from (b) (7)(E) (b) (7)(E) between the flight station floor and the pressure deck above the nose wheel well.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected

5-1.36 Obis Fuselage Internal

Requirement - Inspect zone 18.2. This zone comprises crew seats, consoles, AEW mission radar system racks, electronic and electrical components, floor beams, control cables and other structural components. It is located above (b) (7)(E) Provide detailed inspection of areas behind any panels, overhead panels, console access covers, electronic racks, and electrical load

center, terminal board wire attachments, floorboard beam structure, floorboards, and pressure deck beam structure.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.37 Tactical/Sensor Detection System Station - Internal

Requirement - Inspect zone 19.2. This zone comprises tactical crew seats and consoles, AEW/LRT detection system consoles, electronics equipment, floor beams, control cables and other structural components. It is located above (b) (7)(E)

Provide detailed inspection of the wiring, control cable runs, and pulley clusters located beneath the floorboards, terminal board wire attachments, and floor beam structure.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.38 Club Seating, Aft Obs. Fuselage - Internal

Requirement - Inspect zone 20.2. This zone club seating area console, electronics equipment, floor beams, and other AEW/LRT structural modifications. It is located above (b) (7)(E)

(b) (7)(E) Provide detailed inspection of antenna coupler clips (4) (located at inspection of (b) (7)(E) (b) (7)(E) and internal fasteners, stringers, and attachments around access provision for rotary coupler and hydraulic lines (b) (7)(E). Pay particular attention to the lavatory.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.38.1 Club Seating, Aft Obs. Fuselage - External

Requirement - Inspect zone 20.1. This zone comprises external surfaces, main cabin door hatches,

(b) (7)(E)

5-1.43 Staff Area Internal

Requirement - Inspect zone 21.2. This zone comprises lavatory, staff bunks, dinette table, seats, galley, storage area, electronic equipment under galley (worktable), AFT heating control and temperature sensor at the lavatory wall, lavatory/bunk/dinette gaspers, and rear pressure bulkhead. It is located above (b) (7)(E)

(b) (7)(E) Provide a detailed inspection for floor beam structure, floorboards, lavatory, fuselage skin splices and stringers, forward and above floor to (b) (7)(E).

Pay particular attention to the flush toilet and urinal area.

Performance Specification- This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.44 Dorsal Fin Internal

Requirement - The depot activity shall perform a detailed inspection of the dorsal fin attach angle at (b) (7)(E)

(b) (7)(E) dorsal fin clips (b) (7)(E) left and right; dorsal fin ribs This zone comprises the internal structure of the dorsal fin.

It is located between (b) (7)(E)

Performance Specification - This requirement is met when:

- Inspection has been completed;
- Discrepancies have been recorded and classified; and
- Discrepancies approved by the Government have been corrected.

5-1.45 Under Floor Area - Internal

Requirement -Inspect zone 22.1. This zone comprises of the outflow valve, exhaust fan, doppler antenna, fuselage structure, laser radiation thermometers, boresight, cartographic cameras, project equipment, and baggage compartment, Staff area heating system and ducting. It is located below (b) (7)(E)

(b) (7)(E) Provide a detailed inspection of floor beams; wiring, galley and lavatory areas, control cable runs, pulley clusters, cabin exhaust relief valve, heating system and antenna frames.

Pay particular attention to the flush toilet drain hose from (b) (7)(E), the flush toilet release cable from (b) (7)(E), flush toilet service hose from (b) (7)(E)

Pay particular attention to the lower fuselage inter-coastal from (b) (7)(E) 5 for collection of any waste or servicing fluids. (b) (7)(E)

Pay particular attention to the urinal drain hose (discharge tubing) at (b) (7)(E)

Pay particular attention to the lavatory floor panel from below (b) (7)(E) up to the side-wall.

Pay particular attention to the sonobuoy package door.

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.46 Empennage External

Requirement - Inspect zone 15.1. This zone comprises the external fuselage structure to the tail boom.

It is located between (b) (7)(E). Provide a detailed inspection of the urinal discharge port mounted on the E-208R panel (between (b) (7)(E).

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.47 HF ANTENNA BOOM

Requirement - Inspect zone 15.14. This zone comprises the internal and external structure of the HF compact wave antenna. It is located between (b) (7)(E).

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.

5-1.48 RADOME - Internal

Requirement - Inspect zone 15.13. This zone comprises the internal structure of the radome and includes antennas, antenna support structure, 130 pound ballast (LRT aircraft only) and electronic equipment. It is located between (b) (7)(E).

Performance Specification - This requirement is met when:

- Zonal inspection has been completed.
- Discrepancies have been recorded and classified.
- Discrepancies approved by the AGR have been corrected.