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SECRETARY OF THE AIR FORCE**



**DEPARTMENT OF THE AIR FORCE
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**AIRCRAFT STRUCTURAL INTEGRITY
PROGRAM AND AIR AND SPACE
EQUIPMENT STRUCTURAL
MANAGEMENT**

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This instruction implements Air Force Instruction 63-140, *Air and Space Equipment Structural Management*; AFI 63-140, *Air Force Reserve Command Supplement (AFRCSUP)*, *Aircraft Maintenance Guidance and Procedures*; Technical Order (T.O.) 1-1-8, *Application and Removal of Organic Coatings, Aerospace and Non-Aerospace Equipment*. The purpose of this instruction is to establish local procedures for Nose Art, the Commander's Aircraft and additional markings. This supplement prescribes the 910th Airlift Wings (AW) guidance and procedures governing aerospace equipment structural management and is to be used in conjunction with the basic instruction. This supplement applies to all 910 AW personnel. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW Air Force Manual (AFMAN) 33-363, *Management of Records*, and disposed of IAW Air Force Records Information Management System (AFRIMS) *Records Disposition Schedule (RDS)*. Refer recommended changes and questions about this publication to the Office of Primary Responsibility (OPR) using the AF Form 847, *Recommendation for Change of Publication*; route AF Forms 847 from the field through the appropriate functional chain of command

SUMMARY OF CHANGES

This Revision incorporates procedures specific to the 910AW regarding Instruction 63-140 Aircraft Structural Integrity Program (ASIPS) and Aircraft Markings.

2.8.2.1. (Added-910AW) The Maintenance Group Commander (MXG/CC) will appoint in writing a member of the MXG as the group ASIP Project Officer (PO). The individual appointed must have the capability to oversee and monitor ASIP related training and inputs throughout the maintenance organization.

2.8.2.2. (Added-910AW) The Maintenance Group Commander (MXG/CC) will appoint ASIP monitors in writing for Aircraft Structural Maintenance (ASM), Non- Destructive Inspection (NDI), Aircraft Maintenance Flight (ISO) Plans and Scheduling Documentation (PS&D) Sections, Quality Assurance (QA) and OPS will have a trained ASIP member as well to monitor and track ASIP inputs and issues.

2.9.1.1.1. (Added-910AW) The MXG ASIP PO will:

2.9.1.1.3. (Added-910AW) Ensure appointed ASIP monitors receive all required training provided by the ASIP Program Office and additional On-the-Job (OJT) training from other monitors. OJT training will include, as a minimum, familiarization with ICARR and AIRCAT and a review of required ASIP inspections and reportable damage specific to unit aircraft and work center.

2.9.1.2.4. (Added-910AW) Inspection Dock (ISO) NCOIC will establish Job Standards (JST's) for the required ASIP inspections. He/She will ensure ASIP items are complied with prior to closing out the inspection. The ISO ASIP monitor will report the results of ASIP inspection into the ICARR MIS

2.9.1.2.6. (Added-910AW) QA or the ASIP PO will notify the ASIP Program Office of ASIP inspections incorrectly or not loaded in the ICARR MIS. (e.g., ICARR inspection items do not match with corresponding technical data reference or inspections listed in technical data are missing in ICARR or inspections listed in ICARR are not listed in the technical data.)

2.9.1.3.1. (Added-910AW) Ensure ASIP monitors are appointed by the MXG/CC for deployed/contingency locations if home station monitors are not participating in the deployment or contingency.

2.9.1.5.1. (Added-910AW) At the deployed location, the laptop or e-Tool will be connected to the internet using a secure IP address. ASIP data will be entered into ICARR using this laptop/eTool.

2.9.1.5.2. (Added-910AW) Deployed locations that cannot support a secure connection, the user will forward ASIP data via phone to the 910th Maintenance Group ASIP Project Officer or designated representative for input into the ICARR system.

2.9.1.5.3. (Added-910AW) (Operations Only) The deploying ASIP monitor, and all flight engineers will follow the deployed procedures outlined in T.O. 1C-130-101.

2.9.1.6.1. (Added-910AW) Training will consist of on-the Job Training (OJT) from current system users within the affected sections. ICARR users will also utilize the power point presentation available on the AIRCAT website.

2.9.1.6.2. (Added-910AW) A copy of ASIP monitor appointment letters will be provided to the applicable ASIP Project Officer upon appointment and/or when there is a change of monitors.

4.1.3.1.1. (Added-910AW) *Aircraft Artwork/Optional Markings* addresses the approval and application of aircraft artwork/optional markings applied to all 910 AW aircraft. Aircraft artwork improves unit morale, esprit de corps and maintains unit history.

4.1.3.2.1. (Added-910AW) Aircraft artwork/optional markings will not interfere with the mandatory aircraft Markings/stencils that are outlined in Technical Order (TO) 1-1-8.

4.1.3.6.1.1. (Added-910AW) The 910th Paint score inspections will be completed in conjunction with Aircraft Wash/Corrosion Control Inspections. Documentation will be maintained by the Aircraft Structural Maintenance Section. See [Attachment 5](#)

4.2.1.1. (Added-910AW) The Wing Commander elects to have a Wing Commander's Aircraft as defined in this publication. The Commander will use this to instill pride and "esprit de corp" in the unit.

4.2.1.2. (Added-910AW) The Wing Commander's Aircraft will be rotated during PDM cycles to prevent unnecessary paint build-up.

4.2.1.3. (Added-910AW) Commander's Aircraft: The aircraft will have the double black tail band stripes and Youngstown tail stripe fill decal. The aircraft may also be marked with the Wing Commanders name centered above the aircraft crew door opening and AF Outstanding Unit Award decal. Wing Commander's name will be matte black with matte white drop shadow in Brush Script CT font and lettering will not exceed 3 inches in height.

4.2.1.4. (Added-910AW) AF Form 1768 and current fleet artwork/optional marking photos will be documented and kept digitally on the 910 MXS/Aircraft Structural Maintenance SharePoint site.

4.7.1.1.1. (Added-910AW) The Wing Commander elects to allow Aircraft Nose Art and esprit de corps markings.

4.7.1.1.2. (Added-910AW) The Maintenance Group elects to have all Nose Art and esprit de corps markings be decals that are easily removed.

4.7.1.1.3. (Added-910AW) Primary Crew Chief will coordinate with The Aircraft Structural Maintenance Shop to ensure decal material meets standards set in Technical Order (TO) 1-1-8, prior to submitting Nose Art request.

4.7.1.1.4. (Added-910AW) Requesting Nose Art / esprit de corps markings.

4.7.1.1.5. (Added-910AW) The Primary Crew Chief will initiate the request for Nose Art / esprit de corps markings by filling out the AF Form 1768 and providing photos of requested Nose Art / esprit de corps markings.

4.7.1.1.6. (Added-910AW) Squadron Supervision will review and approve accordingly and forward to the MXG/CC for approval.

4.7.1.1.7. (Added-910AW) The MXG/CC will approve accordingly and route the AF Form 1768 to the Public Affairs Office (PA), Wing Judge Advocate (JA) and Wing Historian Office (HO) for approval prior to the Wing Commander for final approval.

4.7.1.1.8. (Added-910AW) Nose Art / esprit de corps markings will be purchased by the Aircraft Maintenance Squadron.

4.7.1.1.9. (Added-910AW) All markings will be applied and removed by the Aircraft Structural Maintenance Shop.

JEFFREY A. VAN DOOTINGH, Col, USAFR
Commander

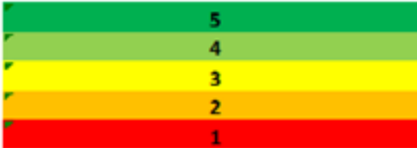
Table A4.6. 910th Airlift Wing Authorized Markings.

| Marking | Guidance and Location | Size | Color/Finish |
|---|--|--|---------------------|
| Station Numbers | Nose number on both sides of fuselage. Forward number beginning 3 inches aft of kick window and bottom of numbers horizontal with bottom of aft. kick window | 6 inches, Military block font | 37038 |
| Unit Designator | Apply to both sides of fuselage. Apply top edge of 910 AW 6 inches below bottom edge of nose. number, centered | 6 inches, Military block font | 37038 |
| Outstanding Unit Award | Centered 6 inches above crew entry door | Maximum 12 inches in length with a size ratio of 4:1 | Matte finish decal |
| Crew Chief Name (DCC & ADCC) | Apply to left side of fuselage only. Apply horizontally between FS 175 and 210, vertically with bottom of names/crew block on WL 175 | 1 ¾ inches, Brush script CT font | Matte black vinyl |

| | | | |
|-------------------------------|--|--|-------------------------------|
| Tail Stripe Color Fill | Youngstown tail flash decals will be applied on both sides of the vertical stabilizer within the black tail band stripes. IAW T.O. 1-1-8 | Not to extend beyond top or bottom of 2-inch vertical stabilizer tail band stripes | Matte finish decal |
| AFRC Insignia | Apply to both sides of fuselage. Apply insignia centered on FS 257 with bottom edge of insignia resting on WL 196 | 24 inches | Matte black vinyl |
| Nose Art | Locate on left forward fuselage | Maximum 36 x 36 inches | Subdued or matte finish decal |
| Armament placard | Apply 6 inches aft of crew door with bottom of placard on WL 180 | 16 x 10 inches | Matte black vinyl |

Attachment 5

AIRCRAFT PAINT SCORE SHEET

| | | | | |
|--|--------------------|-----------------|--|---------------|
| Youngstown ARS | | 0 | <-- Overall Score | |
| Tail # | Depot Paint Dates: | | Projections | |
| | Full Paint | Overspray | Sched PDM | Sched Touchup |
| Landing Gear | | | | |
| | Score Date | Score: 1 thru 5 | Remarks | |
| NLG Wheels | | | | |
| NLG Assembly | | | | |
| NLG Wheel Well | | | | |
| MLG Wheels | | | | |
| MLG Assembly | | | | |
| MLG Wheel Wells | | | | |
| Fuselage | | | | |
| Bottom of Fuselage | | | | |
| - Tip of Radome to NLG | | | | |
| - NLG to MLG | | | | |
| - MLG to Tail | | | | |
| Sides & Top | | | | |
| - Nose to Wing Root | | | | |
| - FWD Wg Root to Aft Wg Root | | | | |
| - Aft Wing Root to Tip of Tail | | | | |
| Interior | | | | |
| - Cargo Compartment | | | | |
| - Flight Deck | | | | |
| Empennage | | | | |
| Vertical Stabilizer | | | | |
| Horizontal Stabilizer | | | | |
| Engines | | | | |
| Nacelle Area | | | | |
| Cowlings | | | | |
| Intake | | | | |
| Exhaust Path | | | | |
| Propeller Tips | | | | |
| Fuel Tanks/Pylons | | | | |
| Wings | | | | |
| Left Wing: top | | | | |
| Left Wing: bottom | | | | |
| Left Wing: flaps/flapwell | | | | |
| Right Wing: top | | | | |
| Right Wing: bottom | | | | |
| Right Wing: flaps/flapwell | | | | |
| 5 = Outstanding: depot-quality finish with few flaws 4 = Excellent: field-level finish with few flaws 3 = Satisfactory: meets all corrosion control reqs, only minor flaws 2 = Marginal: meets requirements but requires touch-up paint operations. 1 = Unsatisfactory: does not meet minimum acceptable requirements. | | |  | |
| * ratings are for finish quality and corrosion protection – NOT soil accumulation | | | | |