BY ORDER OF THE COMMANDER
8TH FIGHTER WING

COMBAT AIR FORCE INSTRUCTION
21-105

8TH FIGHTER WING
Supplement

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This instruction implements Air Force Policy Directive (AFPD) 21-1, *Air and Space Maintenance,* and fulfills the requirement of Combat Air Force Instruction (CAFI) 21-105, *Fabrication Program,* by establishing procedures for : Wing Corrosion Program Manager Responsibilities, Aircraft Structural Maintenance (ASM) Responsibilities, Maintenance Operations Officer Responsibilities, Wash Crew Supervisor Responsibilities, Aerospace Ground Equipment (AGE) Flight Chief Responsibilities, and Unit Corrosion Control Program Requirements. Unit commanders and supervisors are responsible for compliance with the provisions of this instruction. Commanders and supervisors will ensure that all personnel subject to operations covered by this instruction are thoroughly knowledgeable of the inherent dangers of the operation and the safety precautions necessary for safe and efficient accomplishment. It is applicable to all 8th Fighter Wing aircraft, transient aircraft and units deployed to Kunsan Air Base, Korea. 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 the AF Forms 847 from the field through the appropriate functional chain of command. Ensure that all records created as a result of processes prescribed in this publication are maintained in accordance with Air Force Manual (AFMAN) 33-363, *Management of Records,* and disposed of in accordance with Air Force Records Information Management System (AFRIMS) Records Disposition Schedule (RDS). The use of the name or mark of any specific manufacturer, commercial product, commodity, or service in this publication does not imply endorsement by the Air Force.

3.5.2.1.1. **(Added)** All maintenance personnel will receive annual Corrosion Prevention and Control training during Mission Orientation.

3.5.2.2.1. **(Added)** Commander Aircraft designation and markings are located in **Attachment 11** of this publication.

3.5.2.3.1. **(Added)** Pilot and Crew Chief names will be 13/4" Military Block font, flat black color for standard aircraft. The Wing, OG, and flying squadron commander's aircraft will be Brush Grip font, flat black in color with white shadowing.

3.5.2.4.1. **(Added)** Aircraft paint identification placard will be applied IAW **Attachment 10** of this publication.

3.6.8.1. **(Added)** 8 MXS personnel will provide equipment, supplies and the wash facility. The wash rack has three scheduled wash slots (0800-1100, 1115-1400, 1415-1700) available during each duty day of operation. Request to use wash rack facility during off shifts and/or weekends will be coordinated with 8 MXS Production Office. Aircraft deployed to Kunsan AB will be washed IAW the same guidance as assigned aircraft due to the highly corrosive environment and will be scheduled through the weekly Shared Resource meeting.

3.6.8.2. **(Added)** After the wash is completed and before the aircraft leaves the wash facility, a qualified ASM member will complete the corrosion inspection and aircraft paint score (Locally approved Quality Assurance checklist). Paint score will be filed in the ASM section.

3.7.1.1. **(Added)** Kunsan Air Base is located within 1.25 miles of salt water. Aircraft that are flown at low level (under 3,000 feet) over salt water require a clear water rinse (Bird Bath) located on Taxiway F after the last flight of the day.

3.7.1.2. **(Added)** Waterless Wipe Down Procedures will be used when weather is too cold for bird bath usage or when the bird bath is not operable.

3.7.4. **(Added)** It is the responsibility of the owning activity to wash and clean aircraft and equipment. The intent is that the responsibilities listed in para 3.7 of CAFI21-105 are of the AMXS Maintenance Operations Officer.

3.8.7. **(Added)** Complete Wash Rack Daily Checklist (Locally approved Quality Assurance checklist).

3.9.1.1. **(Added)** Aircraft must have a completed Hangaring Checklist (Locally approved Quality Assurance checklist) and JST 80003/35004 prior to entry into wash facility. The wash crew supervisor will also complete a Wash Crew Supervisor Checklist (Locally approved Quality Assurance checklist) and conduct Wash Rack Safety Procedures Briefing using (Locally approved Quality Assurance checklist) and ensure that all wash crew members annotate the form.

3.9.5.1. **(Added)** The wash rack uses passive fall protection in the form of maintenance stands. Masking and removing covers and tape is the only time that personnel are allowed on top of the aircraft in the wash rack. The aircraft must be dry for personnel to be on top of the aircraft.

3.11.2.1. **(Added)** All assigned AGE will have its paint coating scored at least once every two years (Locally approved Quality Assurance checklist). The completion date and paint scores will be documented by the Age scheduler on a locally devised spreadsheet (living document on Q: drive).

3.11.7.1. **(Added)** Fabrication Flight provides local policy for the number of AGE units for corrosion treatment per week/month, weekly coordination, etc. (reference Aerospace Ground Equipment Corrosion Control/Paint Plan Memorandum filed with AGE and Fabrication Flight Chiefs)

3.11.7.2. **(Added)** The AGE flight is responsible for marking all equipment. Uniformity will be maintained to ensure a professional looking fleet.

3.13.7. **(Added)** Aircraft components requiring corrosion control inspection entry include, but are not limited to the following items:

3.13.7.1. **(Added)** Aircraft components (Pods, Tanks, AME, etc.) requiring painting will be scheduled for treatment with the Corrosion Control section. Coordination between the Corrosion Control NCOIC and all component owning agencies will be addressed prior to receiving any units.

3.13.7.2. **(Added)** Corrosion Control is responsible for marking these components after full or partial painting. The procedures and guidelines in the applicable component's T.O. and AFI's will be used. Owning agencies will provide applicable technical data if corrosion personnel do not have access to the technical data. Owning organizations will ensure there are no unauthorized markings applied to components.

3.13.8. **(Added)** MUNITIONS EQUIPMENT:

3.13.8.1. **(Added)** Section schedulers will schedule the inspection against their individual sections. All paint scores (Locally approved Quality Assurance checklist) will be kept and tracked by owning organization.

3.13.8.2. **(Added)** Corrosion treatment of munitions support equipment will be accomplished by qualified section personnel with Corrosion personnel assistance. Munitions trailers will be broken down by AMMO, taken to blast building 2819, blasted by corrosion personnel, then AMMO will take it back to their paint facility, when/if it is operational.

3.13.8.3. **(Added)** The Equipment Maintenance Element is responsible for providing all stencil and decal material. Each element within the munitions flight will support their equipment.

3.14.2.1. **(Added)** Aircraft Score Sheet (Locally approved Quality Assurance checklist). The 8 FW Corrosion Manager will maintain the results each time an aircraft is scored. The completion date and paint scores will be documented on a locally devised spreadsheet (living document on Q: drive), then sent to Plans and Scheduling weekly for updating slides for the Shared Resources Meeting.

3.14.2.2. **(Added)** Aircraft full scuff sanding, over coating, and spot painting will be scheduled during Shared Resource meetings.

3.14.2.3. **(Added)** Corrosion Control facility is not manned during exercises. Therefore, aircraft will not be scheduled for paint during exercises. In addition, aircraft will not normally be scheduled for a full scuff sand and overcoat during any week with holidays or down days. Deviations need to be coordinated with the Wing Corrosion Program Manager.

3.14.2.4. **(Added)** Aircraft scheduled for touch up/full paint must be washed no earlier than one duty day prior to scheduled paint and towed directly into Corrosion Control Facility.

3.14.2.5. **(Added)** One complete set of uninstalled external fuel tanks may be included during a full scuff sand and overcoat. The tanks must be drained and purged of fuel prior to coming into the corrosion facility. It is the owning AMU's responsibility to hang fuel tanks on the paint stands upon delivery.

3.14.2.6. **(Added)** Aircraft configuration for a full scuff sand and overcoat will have JST 80012/35012 loaded and configured as follows:

3.14.2.6.1. **(Added)** All pylons, tanks, and pod fittings will be removed from the aircraft.

3.14.2.6.2. **(Added)** All fuel tanks will be empty and purged.

3.14.3.6.1. **(Added)** Vinyl lettering will be used to apply names on assigned aircraft.

3.14.3.6.2. **(Added)** The pilot and crew names can be changed in conjunction with the 30 day wash. The condition of the names will be inspected prior to each aircraft's 30-day wash by the owning AMU. If deteriorated or peeling, the AMU will load a job in IMDS/aircraft forms if one has not already been established. AMUs will create a Work Center Event (WCE) to ASM section and new markings can be applied prior to aircraft removal from the wash rack.

3.14.3.24. **(Added)** Non-Command Aircraft markings will be applied IAW **Attachment 9** of this publication.

S. CLINTON HINOTE, Colonel, USAF
Commander

Attachment 9 (Added)

NON COMMAND A/C

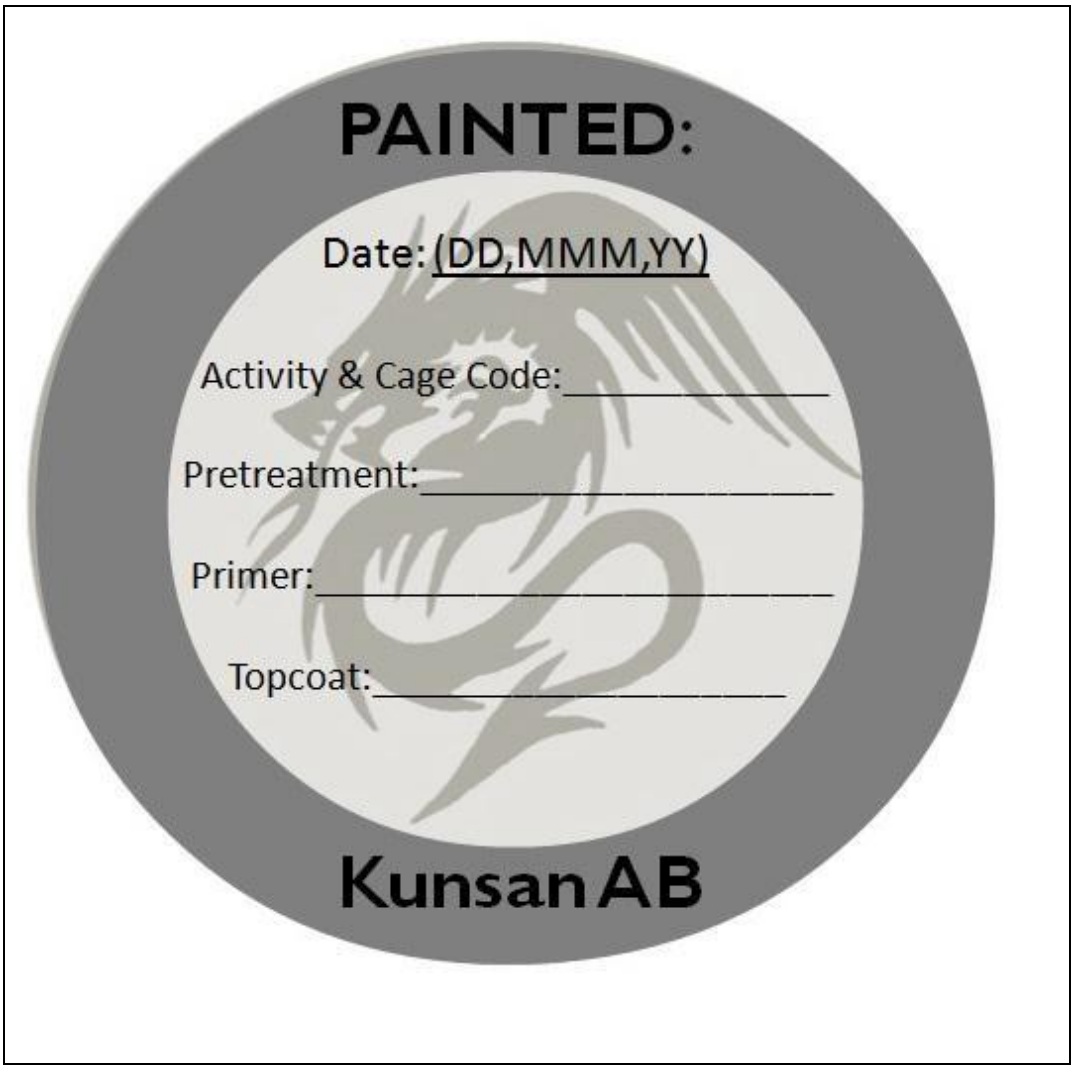
Figure A9.1. (Added) Non Command a/c

Attachment 10 (Added)

PAINT PLACARD

A10.1. (Added) Paint Placard will not exceed 6 x 6 inches and will match the color of other markings on the aircraft.

Figure A10.1. (Added) Paint Placard



Attachment 11 (Added)

COMMAND AIRCRAFT

A11.1. (Added) Command aircraft designations and markings are as follows.

A11.1.1. **(Added)** 8FW and 8OG Command A/C split tail stripe in half (blue/gold).

Figure A11.1. (Added) Split Tail Stripe in Half Blue/Gold

A11.1.2. **(Added)** 8TH FW: "Wolf Head" silhouette on tail, blue/gold tail stripe along with WP 8TH FW shadowed in white.

A11.1.3. **(Added)** 8TH OG: "Wolf Head" silhouette on tail, blue/gold tail stripe along with WP 8TH OG shadowed in white.

A11.1.4. **(Added)** 35TH FS: "Wolf Head" silhouette on tail, blue tail stripe along with WP 35TH FS shadowed in white.

A11.1.5. **(Added)** 80TH FS: "Wolf Head" silhouette on tail, gold tail stripe along with WP 80TH FS shadowed in white.

Figure A11.2. (Added) Command Aircraft Designations/Markings