

# Air Force Special Operations Command

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*Quiet Professionals*

## CY2026 Corrosion Technical Interchange Meeting



Controlled by: USAF

Controlled by: AFSOC/A4M

CUI Category: UNCLASSIFIED

LDC or Distribution Statement: DISTRO-A

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**Action Officer: SMSgt Travis L. Woods**

**AFSOC/A4MS**

**21 Jan 2026**

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# Introduction

## **SMSgt Travis L. Woods**

- Fabrication Functional Manager
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## **Quick BIO:**

- 21 Years Experience with ASM/LO structures, and corrosion control.
- Duty History: Elmendorf (JBER), Eglin AFB, RAF Lakenheath, AFSOC HQ/Hurlburt Field
- MDS: F-15 C/D/E, F-22, F-35, C-130, CV-22.

## **Responsibilities:**

- Provide guidance to Airmen in the field.
- Subject matter expert providing technical advice recommendations to: Manning, equipment, and training branches.
- Minimizing effects of corrosion on weapon systems and equipment through education, equipment, and training
- Author AFIs/enforce AFI's. Advise/review Change Requests (old AFTO 22s)/ TARs.
- Liaison w/Air Force Corrosion Office, SPOs, and Metal Fabrication Technologies Office for surveys and career field changes/initiatives.
- Coordinate to get new technologies to the field.



# Ongoing Efforts

- Up-to-date instructions/tech data
  - AFSOCI 21-105 merged into DAFI 21-101 AFSOC SUP as Chapt 16! C/W and published.
    - WCM Updates / Grey Tail / ABDR Requirements / Verbiage update/simplification.
    - GM Published with updates/revisions.
- C-130 Black Wheels
  - All MAJCOMs concur Black Wheel conversion at the DEPOT (OGDEN ALC)
    - ALC Required all Services that coordinate C-130 wheels through their DEPOT to convert to black: C/W (USAF, Navy, Marines concur)
    - AFSOC continues to work funding options.
- Revitalize equipment
  - Restore Cannon AFB and Hurlburt Field CCF functionality
  - Kadena/Yokota AB Outside Wash Facilities: No Sunshades
  - Adequate Temperature Controlled HAZMAT Facilities
- AFSOC/UDLM: Targeted CPC Application IAW 1C-130J-23 prior to PDM/12 Year D-Check
  - Application of Cor-Ban 35/22, AVDEC Self-Leveling Green/Tuff Stuff to (NLG, MLG areas, Flight Deck Chine Plates, Paratroop longerons, Wing Fillet Pnl's, FS 737/770 and 737 end fitting and lower longerons, etc.)
  - Pending Acft availability for schedule acft.



# Ongoing Efforts

## ➤ STRAT PLAN/ACTION ITEMS

### ➤ MES C-130 Corrosion Program Assessment on Cannon AFB and Hurlburt Field C/W.

#### ➤ Cannon Notes:

#### ➤ Highlights:

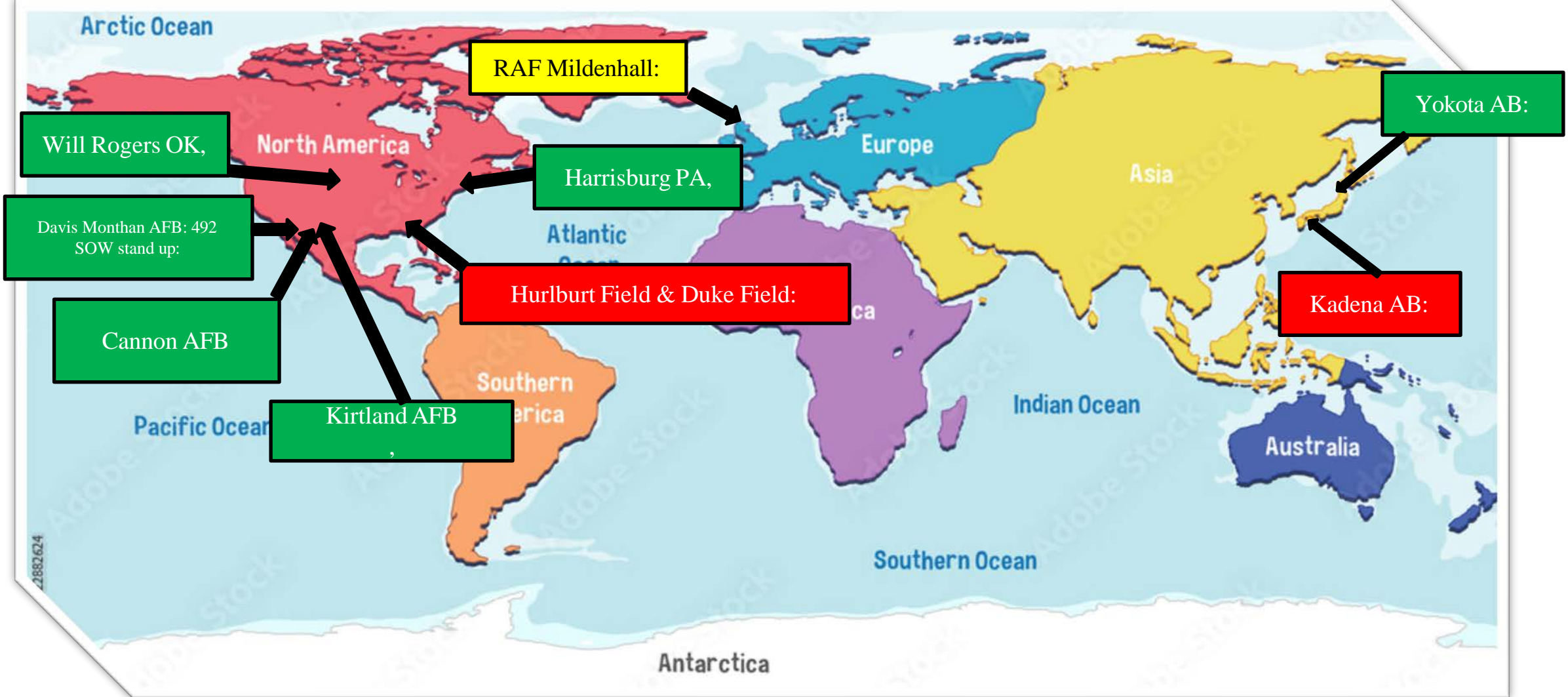
- Strong ASM/CoCo in Depot and Transfer Acceptance Inspection Program (Hurlburt).
- LOCALMAN wheel, EO/IR Ball, vent antenna, and gun barrel reusable covers (Hurlburt).
- Implemented wash rack process reduces exposure to soap off gas (wheel wells a concern) (Cannon)
- Cause: Soap storage ID'd as cause of bacterial breakout and related personnel illness (Cannon).
- HAZPHARM: Expiration reminders are sent to each work center / shelf-life extension program assistance is provided (Cannon).
- Acft Painting:
  - Mx Painting of composite and exhaust fairings.
- ECHS Roller Conveyer Covers installed (Hurlburt/Cannon)
- Majority of Acft had SLG/TS applied (Hurlburt)

#### ➤ Systemic Challenges:

- QA's has a very limited role in the corrosion program.
- Dirty Acft Post Wash
- Leaking Toilets/Waste Lines
- Improperly Installed "Ramp Closure Panels" with poor to no sealant application and loose fasteners.
- SuperCORR A used / recommend use of D5263NS.
- Unauthorized window cleaners in (spot corrected)
- No RTU cleaners or Cor-Ban 27L or Cor-Ban 35 on hand.
  - Clean as you go!
- Av-DEC Gaskets and tapes not readily available
- Lack of weather excluding patches on hand
- ASM & CoCo not involved in Letter Check Process due to AFSOC Contract Maintenance Team (CMT).



# AFSOC by location





# ***AFSOC Inventory***

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- **C-130Js**
  - **AC-130J**
  - **MC-130J**
  - **EC-130J**
- **C-146A**
- **CV-22**
- **MC-12**
- **MQ-9**
- **U-28**
- **OA-1K**



# ***AFSOC Wing Corrosion Manager Program***

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- Cannon and Hurlburt Field transitioned WCM positions from MXG to Wing Staff under A4 (Huge Win)!
- Works directly with HQ
- Close relationships with CE, MDG, CONS
- Strong Influence on Wash waivers, Acft / AGE paint scores / touch-up.
- Brief Wing/CC on major corrosion issues (i.e., facilities, BEE, contractor service performance, etc,...)
- **353 SOW/1SOAMXS: AFSOC/A1 and 353 SOW to move the WCM position to the SOW.**



# AFSOC Corrosion Control Snapshot

- **RAF Mildenhall**
- **CCF Remodel Completed:** All 5 RACs cleared by Bio and Wing Safety.
  - **Paint System Failure:**
    - Acft Date Painted: 03-14-2022
    - TCTO 1131/Warranty Paint/Repair: Deemed as a “Pass” on 28 Dec 2022.
      - Work to be accomplished by owning unit.
  - **Civilian Wash Contract:**
    - Contract Wash Performance Work Statement (PWS) are currently INWK
    - Temp Wash Crew has noted quality issues with KC-135 washes.
      - Wash performance of the MC-130J/CV-22 has yet to be established
      - **WAY FORWARD:**
        - The WCM (TSgt Smith) and The COR (TSgt Smith/Previous WCM) is engaged with 48<sup>th</sup> CONS to resolve the issue.
        - New Wash Contract INWK: Focus on PWS that clarifies performance and requirements.
  - Radome and EVS coating failures.
  - **352 SOW wheel & tire issue C/W:** Incorporated AMT into bearing race replacement for overhaul process negating OGDEN ALC need. Highest C-130 wheel availability in all of EUCOM.



# AFSOC Corrosion Control Snapshot

## ➤ RAF Mildenhall Cont...



**Paint Adhesion Failure**





# AFSOC Corrosion Control Snapshot

- **Kadena, AB / WCM: IN ATTENDANCE**
- SMCO capability embedded within AMXS. WCM position is an additional duty within the section.
- High Ops tempo in the largest geographic AOR:
  - Not uncommon to be sent to alt. location for typhoons and normal TDY ops.
  - Drives Wash Waivers: Jan 2025 to current had 23 Waivers requests
- Kadena shares a 2-bay uncovered outdoor wash rack/bird bath facility with 6 other units.
- Only two corrosion control hangars on base, one dedicated to fighters and the other to heavy acft. The heavy hangar is shared with 6 units and in high demand, managed by contractors.
- 1 SOAMXS has a single maintenance hangar and a limited scope of corrosion work that can be performed.
- 1 SOAMXS has resumed annual CPC inspection and application.
  - 3 Acft were completed throughout 2025. Subsequent acft are being scheduled contingent on space availability.



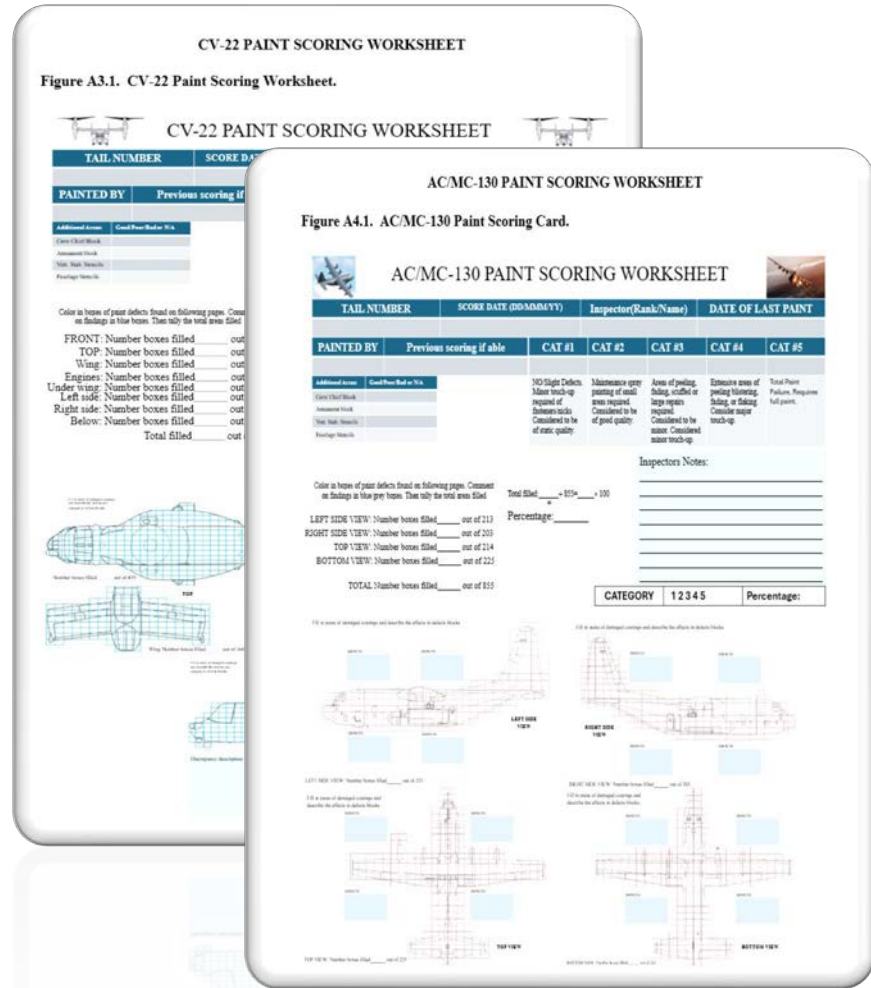
# AFSOC Corrosion Control Snapshot

- **Cannon AFB / WCM: IN ATTENDACE**
  - **CCF: INOP**
    - Hangar repair contract (funded) INW – UFC-4-211-2 compliant Transition area Ground break expected April 2026.
    - Hangar Ventilation – Hex Chrom concern will be mitigated by the Transition Area reno.
    - Paint booth-inop (airflow) – 2ea blower(s) repair INWK w/ CE and replacing Stage 4 filters.
  - **Wash rack Renovations:**
    - Converting water lines from cast to stainless.
    - Soap delivery has moved from 10k-gallon tank to water buffalos. Future: Tankless soap delivery method purchased (awt water line replacement).
  - Corrosion Program:
    - Paint Score Program Redesign
      - Redesigned score minimize conflicting opinions from differing evaluators.
    - Wing Corrosion OI: (Pending Final Signature/Publication):
      - OI will generate stricter requirements for Acft paint touch-up program.
      - NEW SOP's:
        - Proper Care of HAZMAT (CAFB Soap Saga)
        - ASM will conduct CV-22 Post Wash inspections
        - New Acft Wash PPE & Safety requirements.
  - Aircraft Rinse Cart
    - Flight ready cart to deploy to perform AGE/AC washes/Comp washes in austere/isolated locations.



# AFSOC Corrosion Control Snapshot

## ➤ New Paint Sore Sheets



➤ MILCON transitions awaiting funding – ADAMS installed Feb 2024 as a temporary transition facility

## ➤ Wash Carts





# AFSOC Corrosion Control Snapshot

- **Hurlburt Field / WCM: (IN ATTENDANCE)**
- CCF finished renovation in early 2024, already down for repairs.
  - Pending 1 RACs: 1. Roll-up doors prevent airflow: Contract Awarded to manufacture to install new doors: ETIC: 6 Feb 2026.
  - Wash Rack Condemned: Converted unused fuel cell to enclosed Wash Rack, first wash C/W 5 Nov.
    - QA/WCM/Wg Safety to complete engine compressor washes in new wash rack; checklist INWK.
  - Obtained Walk-in blaster via contract process: Partial Delivery and Install INWK: pending final delivery EDD.
  - **Corrosion Program:**
    - **Worked with SOF/SPO to correct TOs adding CPC requirements for 105mm and MX-25 sensor carts:**
      - Protective agent conditioning to the 105mm protective cover has been implemented since the 2023-2024 action item, implemented to TO 1C-130J(AHM)J-2-94JG-00-1, 94-00-44.
    - **Local Touch Up Program: Interim Touch Up MFR through B/E, Safety, and DCS to permit paint touch up outside of CCF.**
      - Pending CCF repair to implement program IAW 21-101 AFSOC SUP to prioritize touch ups within 90 days of a substandard paint score. Paint scores are being accomplished.
    - **Trends: ALE-47: WCM discovered the non “plus” version of the Novec cleaner was in use; all units have corrected processes/procured the correct cleaner.**
      - Note: Hurlburt Field Units are reporting no corrosion issues less Kadena AB transfer acft.
    - **Water intrusion AC-130J Cargo Door Munitions:**
      - Pending SOF/SPO action / 2025 SOF PWIG” Open Action Item
    - **Nose Radome & Enhanced Vision System(EVS) Fairing/PR-1428 B1/2 low adhesion Sealant:**
      - Action Item Closed! EVS Fairing illustration added to 1C-130(AHM)J-23 specifying coating/coating replacement.



# AFSOC Corrosion Control Snapshot

## ➤ Hurlburt Field Cont.

### ➤ **FS 737 toilet area end fitting/structure corrosion:**

- 3ea aircraft since 2025 have been affected necessitating end fitting replacing. Extensive downtime. Unit to implement field/depot level self-leveling green/tough stuff application to FS 737 and 18 inches up IAW 1C-130J-23 Section 20-00-04. AMU's are willing to remove toilet, need to coordinate established 2-day downtime for wash/prep/application between AMU's and MXS

### ➤ **C-130 wash waivers:**

- Units were not always submitting wash waiver TAR's if overdue by 1-3 days if aircraft was not flying/down for maintenance. QA flash implemented and wash waiver TAR requirements verbiage TO change implemented in 1C-130A-23, pending publication in 1C-130J-23 to clear up ambiguity.

### ➤ **105 TGM (trainable gun mount) :**

- Action item submitted to SOF SPO early 2025. March 2025 SOF PWIG update, sealant application between mating corroded pressure plates added to technical data because the screws only required thread locker. Action item still open pending corrosion limitation and repair procedure implementation.

### ➤ **C-130J Wing Fuselage Fairing Action Item:**

- 2ea panels not identified as composites and stated to contact engineering. TO change has been implemented identifying panels as fiber glass and added typical repair procedures vs contacting engineering in 1C-130J-3



# AFSOC Corrosion Control Snapshot

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➤ **Harrisburg ANG, Pa / WCM: (IN ATTENDANCE)**

- CCF Shut down: Currently CAT 1 RAC'd for no transition area. Hex Chrome decon solicited.
  - DECON C/W: March 2025 (VES cost \$142K)
  - No painting/removing capability (brush/roll only). Must travel to McGuire AFB or Martinsburg ANG to paint/depaint
  - Retrofitting a facility as the new Corrosion Control Facility (CCF): State funding approved for FY27-28 to expand existing building from 6K sq ft to 8,400K sq ft. addition to the ASM Section footprint.



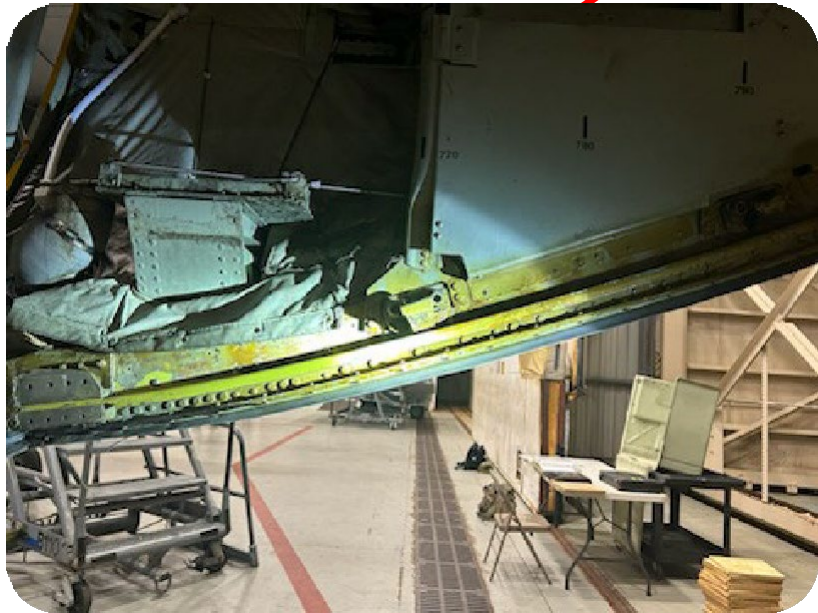
# Common Threads



- Significant Corrosion Events
- Ale-47 Corrosion
- Water intrusion on AC-130J Modified Munitions Cargo door
- Failed coatings on Nose Radome/EVS Fairing
- Proper Acft Wash / Lube / and sealant.



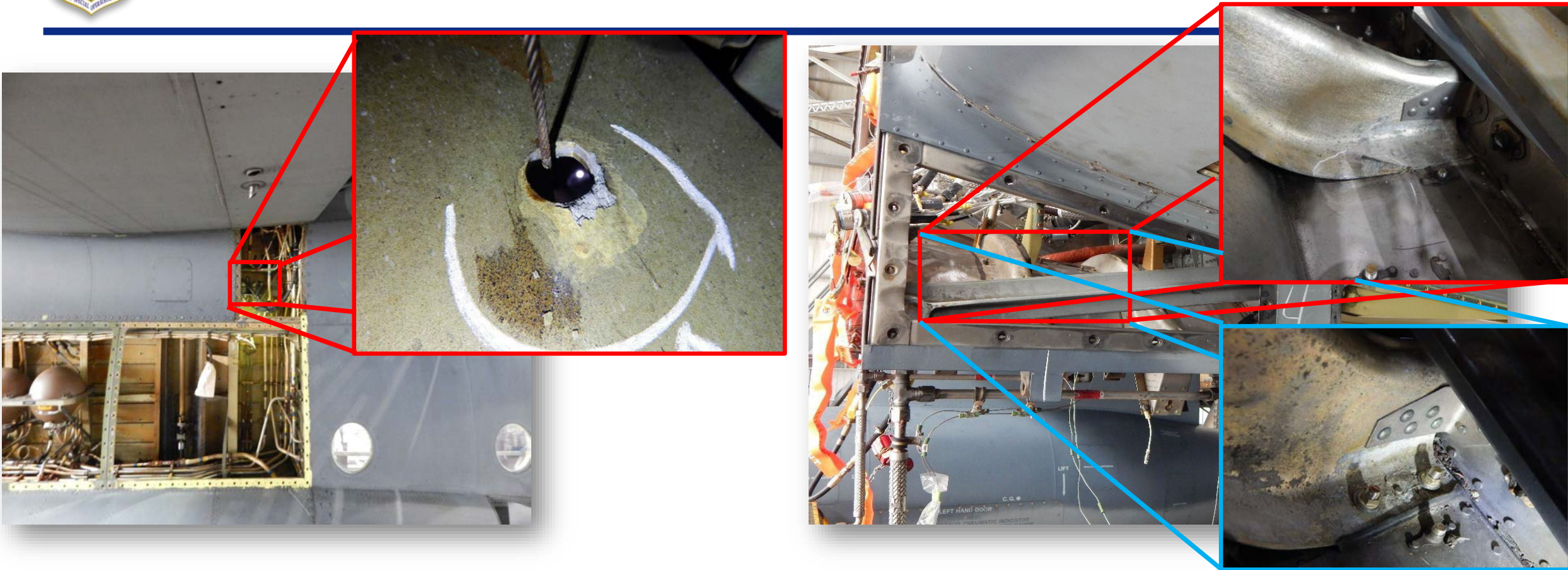
# Common Threads



**Flyswatter Bracket and Longeron Corrosion; found on post wash corrosion.**



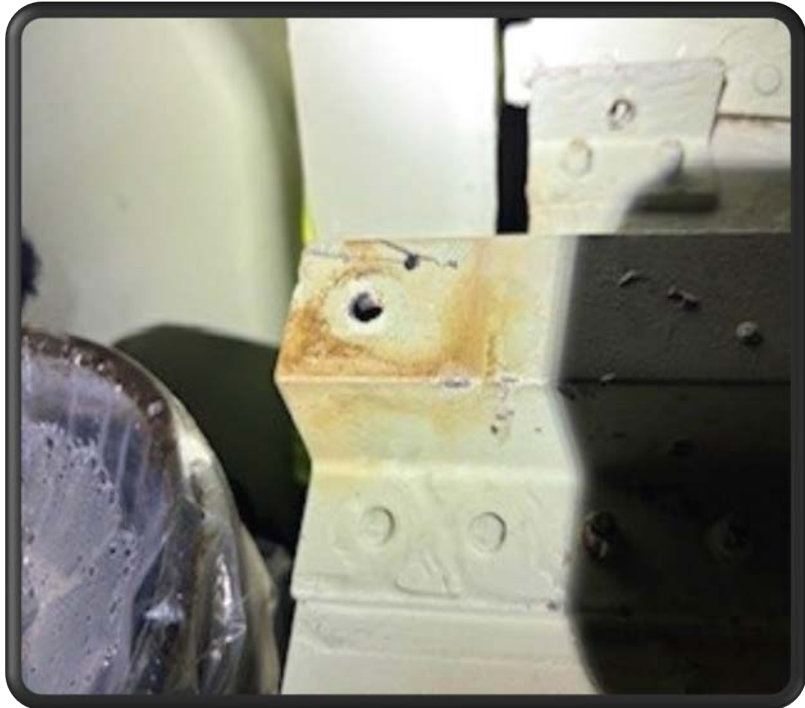
# Common Threads



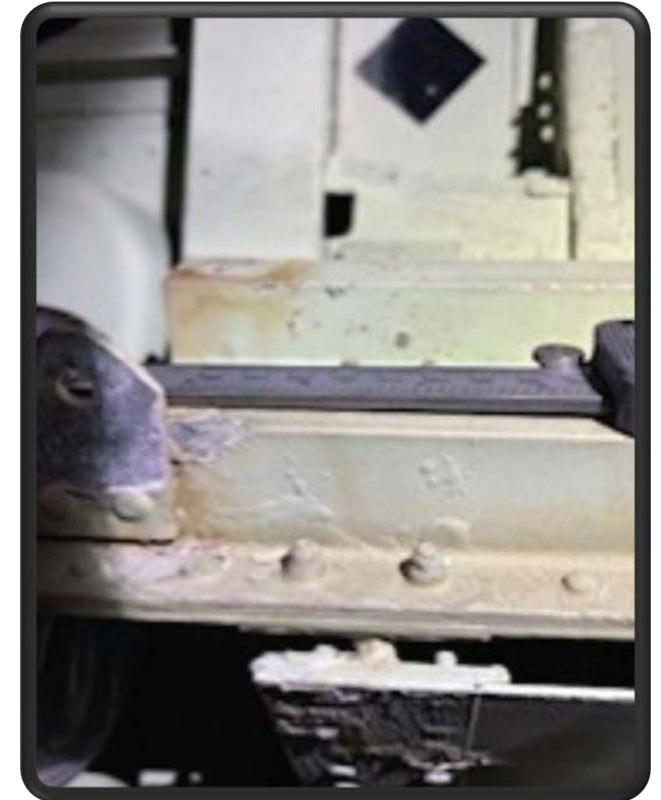
- (LEFT) Left MLG Vertical Beam Corrosion (Letter Check Find)
- (RIGHT) #4 Engine Hat Channel Corrosion (Letter Check Find)



# Common Threads



**Toilet Channel Corrosion**





# Common Threads



**Engine Hat Channel Corrosion (Letter Check Find)**



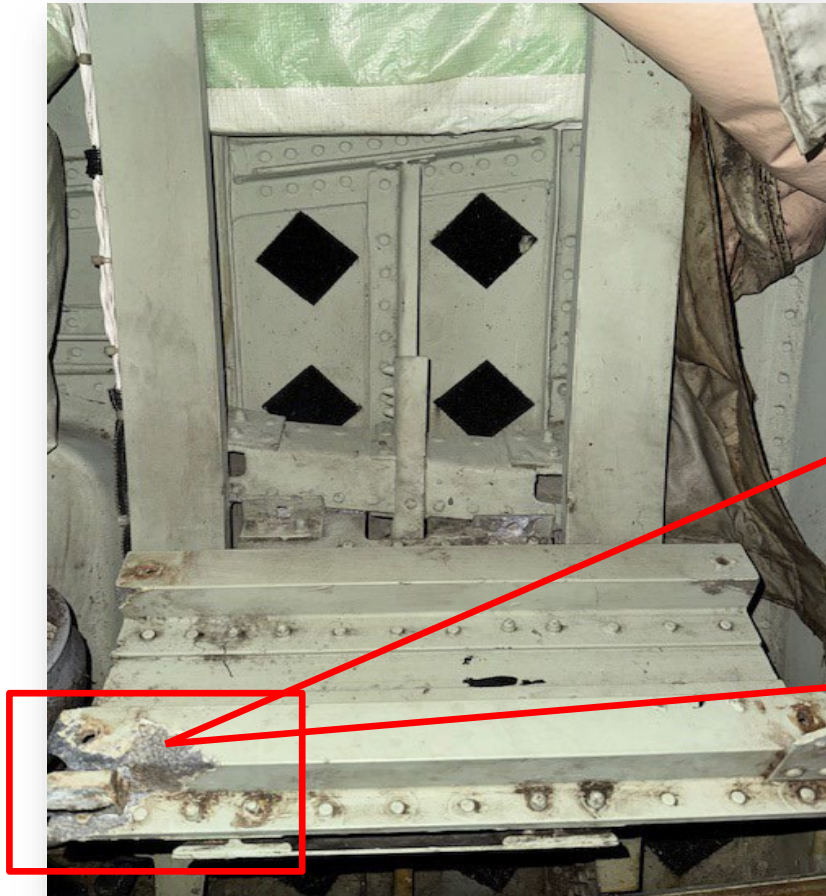
# Common Threads



**#2 Horse collar Hinge Corrosion**



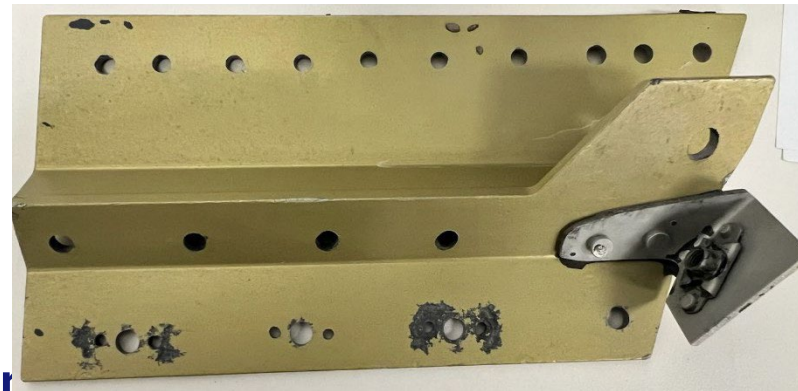
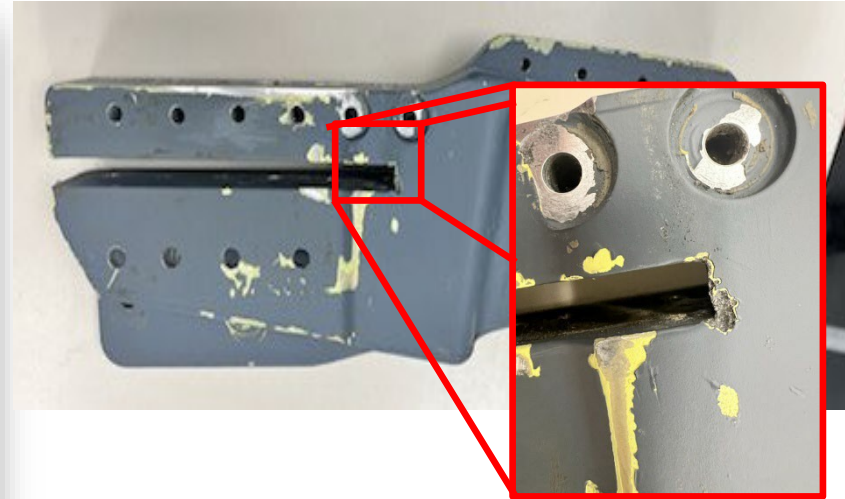
# Common Threads



Id'd/repared during the *Targeted CPC Application IAW 1C-130J-23* prior to *PDM/12 Year D-Check*.  
- Toilet Channel Corrosion



# AFSOC Common Threads



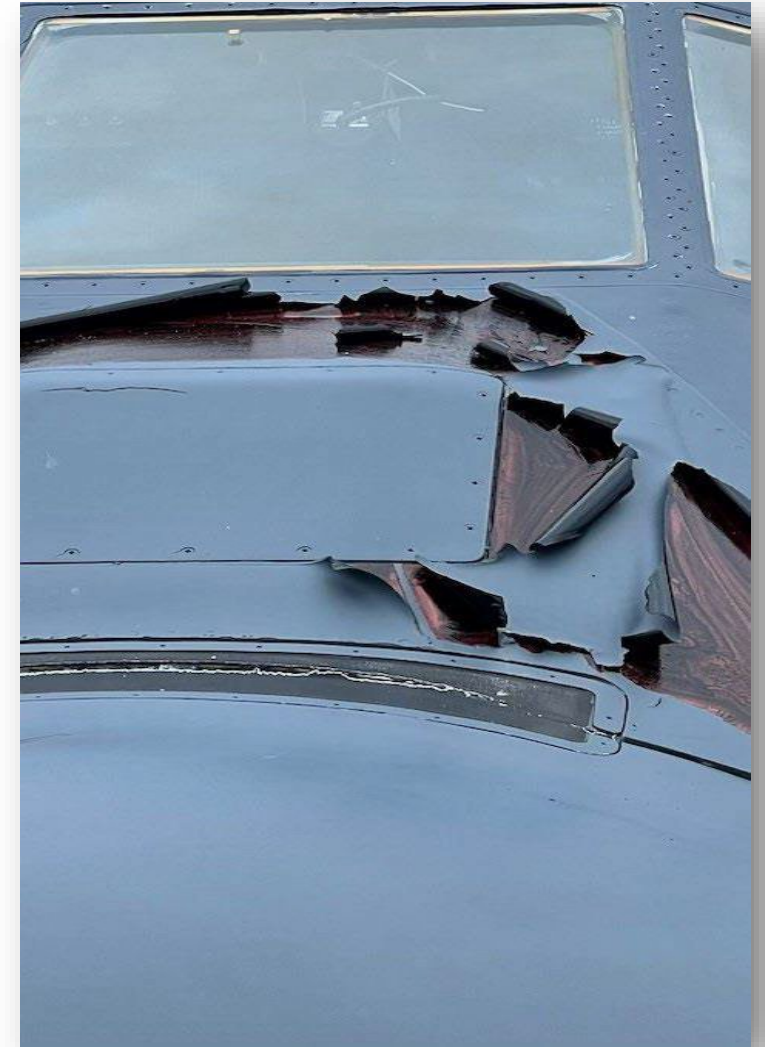
- Fly Swatter Bracket/ Lower Longeron Connection



# AFSOC Common Threads



- Nose radome and EVS Fairing coatings are failing throughout the AF. Root cause investigation by the OEM is underway.
- On-Site Depot Support (OSDS) has repainted 20 radomes saving 4 weeks of downtime for each radome.
- CPAB Discussion Item: Supply levels and sustainment.





# AFSOC Common Threads

## Aircraft Washing

- AFSOC missions operate in many severe environments.
- WCMS need to constantly track locations of aircraft to ensure proper washes are taking place.
- This can be aided in the corrosion control working groups with maintenance leadership.
- WCMs need to be well versed in contract wash or contract CPC application requirements and monitor for quality.
- WMCs need to be aware of storage, handling, shelf-life, and engineering requirements of all associated wash HAZMAT to prevent personnel exposure/illness.



# Training Item/Awareness

- Defense center for public health in Dayton (DCPH-D) has a great website for corrosion facility HAZCOM training, and talking papers for survey techniques, and reasoning.
- Website contains up to date expanded standard training for HAZCOM program
- Housekeeping plan guide for more effective contamination control
- Website does not require a 2875.
- <https://hpws.afrl.af.mil/dhp/OE/ESOHS/C/pages/index.cfm?id=693>

Tools  
LASE

Quick Links

- 1. Deployer's Corner
- 2. Occupational Health Pg
- 3. Environmental Health Pg
- 4. Radiation Safety Pg
- 5. CERH Response Pg

- Automatic Sampling Guide ASAGE
- BE Occupational Health References
- BE Environmental Health References
- BE Incident/Contingency Response References
- BE Standardized Equipment List
- Care Point Website
- Chemical Hazard Eval Tool
- COVID-19 Info Page
- DCPH DDOE Tech Guides
- DCPH DDERIS
- DESB Approved Letters
- DOEHS ASAGE & Appendix F Temp
- DOEHS References
- DOEHS Sample Submission Temp
- ESOH SC Tech Info Videos
- Full Shift & Six Sample Ref
- Hearing Protection Assessments
- HMIRS
- Housekeeping: Industrial Shops
- Knowledge Mgt. & Analytics
- Lab Sampling Guide
- OEH Gap Analysis Review
- Pesticide Risk Com Fact Sheet
- Program Management Review
- Reforming the Hive Reinforcers



NEW PRODUCT HIGHLIGHT

Health Risk Assessment	Confined Space	Engineering Controls, PPE & RP
Ergonomics	Sampling/Monitoring Equipment	Fetal Protection
Hazardous Noise	Thermal Stress	Standardized Weapon System HRAs

BE Special Interest Items

Aircraft Hazards	Anesthetic Gas	Carcinogens
Combat Arms	Composite Materials	Corrosion Control
Diesel Exhaust	HAZCOM	HMIRS
Jet Fuels	Pesticides	Welding
	Wood Dust	

Tel: Ext 1-800-255-5704 (7254)

CORROSION CONTROL OPERATIONS

Home | Site | Contact Center | Site | Home | Site | Contact Center | Site | Home | Site | Contact Center | Site

Tools  
LASE

Announcements

Policy

- ✓ Jan 20 2021: Aircraft and Equipment Maintenance Management (see 1)
- ✓ Jan 20 2021: Civil Engineer Operations (see 1)
- ✓ Jan 20 2021: Occupational and Environmental Health Program (see 1)
- ✓ Jan 20 2021: Occupational Health Program (see 1)

Technical Guides

- ✓ All Guide to Controlling Pesticide Contamination (see 1)
- ✓ Corrosion Control Facility Reference Guide (see 1)
- ✓ WEDS JPC 4-142 Aircraft Corrosion Control and Paint Removal (see 1)
- ✓ Air Losses Prevention and Control: HAZCOM Surveys
- ✓ Controlling Exposure Standards Requirements - Overview

Education/Training

- ✓ Controlling Pesticide Contamination (ET Training)
- ✓ Controlling Pesticide Contamination (Surveys Training)
- ✓ Controlling Pesticide Contamination (PPE Training)
- ✓ Acquisition, Evaluation, and Control: Surface Contamination and Dental Hazards
- ✓ 2015 Protecting Workers' Needs of Abrasive Blasting Materials (October 2015)

Tools

- ✓ Assessing Part Exposure: Occupational Hazards Operations (see 1)
- ✓ Corrosion Prevention and Control Strategy Plan Examples (see 1)

Consults

For More Information Contact:  
Customer Support: 1-800-255-5704  
1-800-255-5704  
3000 Laker Safety Blvd, Dayton, OH 45433-3399  
Email: [web\\_services@af.mil](mailto:web_services@af.mil)



# Future of AFSOC

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## ➤ **Corrosion Control War**

- Invest in repairs and modernization of CCFs IAW the UFC requirements.

## ➤ **Modernize Repair Capabilities:**

- Additive Manufacture (AM) / Additive Repair (AR)
- UTC and Sustainment Equipment

## ➤ **UDLM CPC Effort:**

- Target Of Opportunity: all acft slated to transfer to Kadena AB.

## ➤ **Navigate Institutional Change:**

- Prepare AFSOC for the future 2A7 and the future state of Fab.
- Keep Cannon AFB manned. It's the jewel of the southwest!!!!
- Davis Monthan AFB Tennent Wing (492 SOW) Stand Up: CV-22's and OA-1K



# Around the Room!

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