

The logo of the Air Force Corrosion Prevention and Control Office, featuring a circular design with four horizontal bands: red (DESIGN), green (PREVENTION), grey (INSPECTION), and blue (CONTROL). The text "CORROSION PREVENTION AND CONTROL OFFICE" and "USAF" are also visible.

# Air Force Corrosion Prevention and Control Office Overview

SMSgt Jeremy Horstman  
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DSN: 468-3284

Cleared for Distribution A:  
Case # 78ABW-2026-0003, dated 09 January 2026



# AFCPCO Personnel

## Military and Government Civilians

- |                                     |  |
|-------------------------------------|--|
| • Jason McDuffie, NH-04             | Office Chief   |
| • Michael “Casey” Jones, NH-04      | Technical Advisor                                    |
| • MSgt Jeffrey Bordonaro (Incoming) | Air Force Corrosion Manager                          |
| • SMSgt Jeremy Horstman (Outgoing)  | Senior Enlisted Leader / Air Force Corrosion Manager |
| • Jarquees Williams, NH-03          | Materials Engineer                                   |
| • David Peth, NH-03                 | Materials Engineer                                   |
| • Monali Patel, NH-03               | Materials Engineer                                   |
| • Kaitlin Williams                  | Chemical Engineer, PAQ                               |

## Engineering and Technical Support Contractors

- |                                    |                                    |
|------------------------------------|------------------------------------|
| • Scott Pagenkopf (SMSgt Retired)  | Team Lead (UDRI)                   |
| • Robert Madsen (MSgt Retired)     | Principal Corrosion Analyst (UDRI) |
| • Jeffrey Grenfell (SMSgt Retired) | Senior Corrosion Analyst (UDRI)    |
| • Derek Dusseau (MSgt Retired)     | Corrosion Analyst                  |
| • Brian Ball (SMSgt Retired)       | Corrosion Analyst                  |
| • William “Ryan” Day               | Data Analyst (UDRI)                |

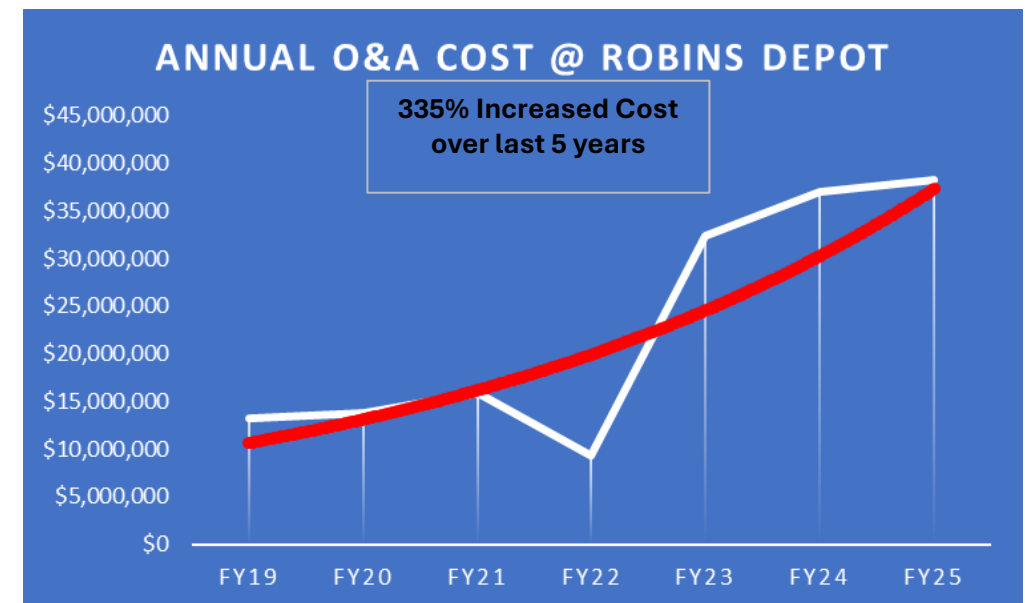
**AFCPCO SharePoint: <http://usaf.dps.mil/teams/21080/corrosion/default.aspx>**

**AFCPCO Email: [afcorr@us.af.mil](mailto:afcorr@us.af.mil)**



# Why Do We Exist?

- **Air Force Corrosion Office established in 1966**
  - **Driven by extensive corrosion problems found on F-105B**
- **2009 - Law passes requiring each service branch to appoint a Corrosion Control Prevention Executive (CCPE)**
- **DAF currently operates 196 Corrosion Control Facilities**
- **AFCPCO required by UFC to validate CCF renovations/new facility design – working 78 projects**
- **The Air Force spends \$13M per day combating corrosion**
  - **25% of the Operations and Maintenance Budget**
  - **30% of the Depot Budget**





# AFCPCO Mission and Support Objectives

## Mission

Reduce Cost of Corrosion  
 Reduce Corrosion Related NMC Hours  
 Improve Safety via HAZMAT Reduction & Structural Integrity

### Technical Support Field/Depot

- Host AF CTIM
- CPAB Attendance & Support
- Corrosion Hot Spot Analytics
- Corrosion Surveys
- Training
- Wash Waivers
- Industrial Hygiene
- Occupational Health

### ASIP Support

- ASIP Reviews
- Weapon System PDR/CDR Support
- CPCP Review & Coordination
- MDS Coating Review & Coordination
- Corrosion Assessments

### Technology Transition (Equipment & Facilities)

- Dehumidification
- Non-Chrome Implementation
- Corrosion Sensors
- Corrosion Modeling
- Coatings & CPC Improvements
- Maintenance Practices
- Metal Wire Arc Spray

### Technical Data/Policy

- TO 1-1-8
- TO 1-1-689-1,-3 (Joint Manuals)
- TO 1-1-691
- TO 1-1-700
- TO 35-1-3
- QPL Updates
- Product Qualification





# Title 10 United States Code Section 2228



**Office of the Secretary of War**  
Office of Corrosion Policy  
and Oversight



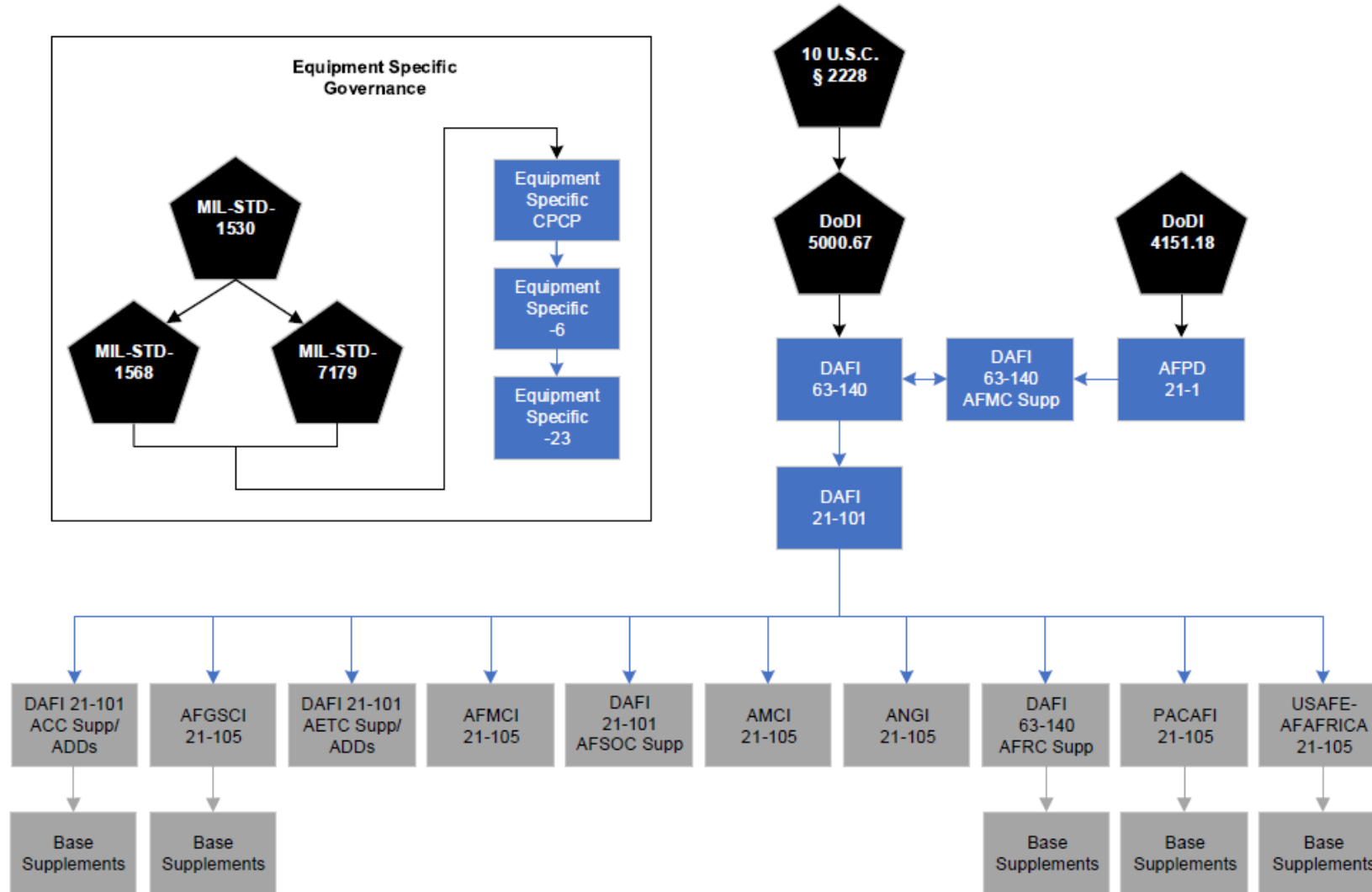
**Secretary of the Air Force**  
Corrosion Control Prevention Executive



**Air Force Corrosion Prevention  
and Control Office**



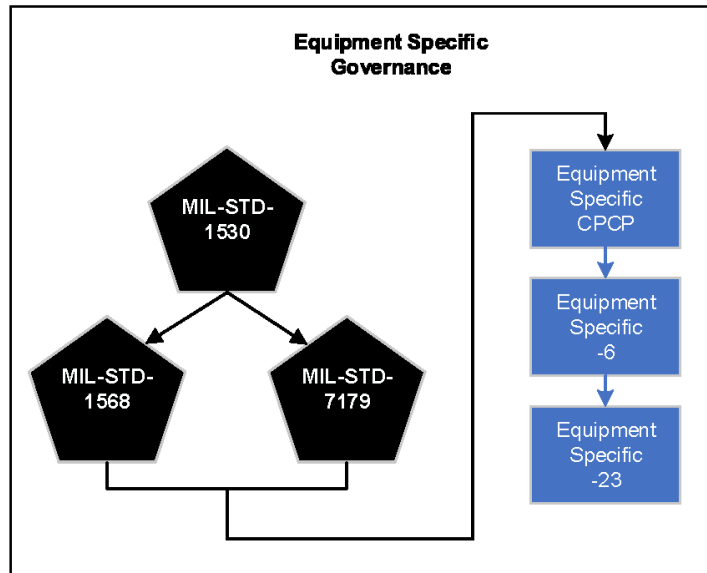
# Corrosion Control Governance Hierarchy





# Acquisition & ASIP Guidance

Currently providing coating specification requirements for E-7, B-21, LGM-35A, and VC-25B



## MIL-STD-1530 - DEPARTMENT OF DEFENSE STANDARD PRACTICE: AIRCRAFT STRUCTURAL INTEGRITY PROGRAM (ASIP)

This standard describes the USAF Aircraft Structural Integrity Program which defines the requirements necessary to achieve structural integrity in USAF aircraft while managing cost and schedule risks



# MAJCOM Corrosion Surveys

- Each MAJCOM surveyed every 5 years, or upon request, IAW DAFI 63-140
- Assists MAJCOM / SPO in assessing and improving CPC programs
- Advisory in nature – **Not an “INSPECTION”**
  - On-the-Spot technical assistance and training provided
- Promotes cross-flow of information from Sections through MAJCOMs
- Observations, findings, and Field inputs help drive Instruction and Technical Order changes
- Supports AF Deputy Corrosion Control Program Executive (CCPE) for inputs on annual Congressional Report



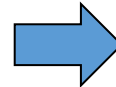


# MDS Specific Surveys

- **By SPO request**
- **Focus on specific weapons system**
  - Overall aircraft condition
  - Adequacy of CPC program
  - CPC issues, roadblocks, resourcing constraints
  - Effectiveness and thoroughness of training
  - Adequacy of tools and equipment
  - Adequacy of technical guidance and AF policy
  - Operational and maintenance conditions
- **Approach**
  - Data-mine several databases to identify trends and anomalies
  - Correlate data with on-site evaluations
  - Identify systematic issues
- **Typical Deliverables**
  - Out-brief Maintenance Group Commander at each site
  - Summary report w/ overall observations, trends, & recommendations (SPO/MAJCOM)
  - Brief at CPAB and AF Corrosion Conference/TIM (SPOs/MAJCOM Functional Managers)
  - Fleet assessment rolled into Annual Congressional Report in conjunction w/ MAJCOM

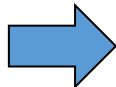


# Corrosion Survey Data



**Corrosion Control Facilities  
Equipment & Safety Audit**

**Aerospace Maintenance  
Occupational Testing  
Standards Audit for all 2A  
Career Fields**



**Hexavalent Chromium Dust Migration  
Audit (Future)**



# Survey Status Updates

- **2024 Surveys**
  - **Command**
    - USAFE – Completed August 2024
  - **Mission Design Series Surveys**
    - A-10 – Started CY23, completed April 2024
- **2025 Surveys**
  - **Command**
    - ANG – Completed September 2025
- **2026 Surveys**
  - **Commands**
    - AFMC – Started CY25
    - AFRC – Coordinating



# Training Opportunities

- **Association for Materials Protection and Performance (AMPP)**
  - Formerly SSPC & NACE) currently consolidating courses from parent organizations
  - Via GSA (Funding required) or DoD Sponsored Training
    - <https://www.ampp.org/education/partnerships>
- **UDRI offers “Corrosion Training for Engineers” Courses**
  - General Corrosion Course
  - Structural Corrosion Course
  - Avionics Corrosion Course
- **Defense Acquisition University (DAU) On-line Courses (No Cost)**
  - CLM 038 – Corrosion Prevention and Control Overview (Back online as of Mar 2022)
  - CLE 070 – Corrosion and Polymeric Coatings
  - Corrosion Familiarization Training Video
- **Wing Corrosion Manager Training**





# Questions?

- **Office SharePoint:**  
<http://usaf.dps.mil/teams/21080/Corrosion/SitePages/Home.aspx>
- **Office Email:** [afcorr@us.af.mil](mailto:afcorr@us.af.mil)
- **DSN:** 312-468-3284
- **Comm:** 478-926-3284



# AIR FORCE LIFE CYCLE MANAGEMENT CENTER

