

**UNITED STATES ARMY
AVIATION and MISSILE LIFE CYCLE MANAGEMENT COMMAND**

CORROSION PROGRAM

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Report Documentation Page

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Corrosion Prevention and Control Center of Excellence



Mission


- GATHER AND PROCESS** Data to identify trends and target efforts.
- ASSESS** opportunities for technology insertion to reduce life-cycle costs and reduce the maintenance burden on the warfighter.
- COORDINATE** with industry reps and all uniformed services to ensure use of “best practices”.
- PRODUCE** job-aids and administrative tools for units in the field, such as Corrosion SOPs to eliminate duplication of effort.
- PROVIDE**
 - “Eyes in the field” to help identify corrosion trends for the various PM Offices
 - Training and Technical Assistance to the Warfighter
 - A Clearinghouse for current CPC information.



Communication Channels


- **Quarterly Newsletter**
(THE INHIBITOR)
- **New training CDs**
(in development)
- **Website** (www.corrweb.org)
 - Technical Requests
 - Checklists
 - Newsletter Archive
 - Training
- **Corrosion Monitor “Network”**

AMCOM CORROSION PROGRAM OFFICE
AMCOM's Newsletter of Corrosion
Prevention and Control



October 2009

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“Corrosion, Will Robinson!!”

This office provides corrosion prevention and control assistance to Army aviation units worldwide. We will send representatives to your unit to provide an assistance visit. The visit includes a 2 1/2-3 hour briefing followed by a walk-around with one of your aircraft. The briefing covers the basics of corrosion, repair techniques, stopping and preventing corrosion and types of corrosion prevention materials. The team can also provide technical assistance with any corrosion problems you may be experiencing with your equipment. As the Unit Corrosion Assistance Team is centrally funded, there is no cost to your unit for an assistance visit. As a bonus, the FORSCOM ARMS team will accept our visit as fulfilling your annual corrosion training requirement.



Targeted Classes

- **Standard Maintainers' Class**
 - Technician's Class
 - Your Site- Worldwide- Throughout the Year
 - Call us (email...whatever...)

- **Maintenance Managers' Class**
 - **Less Technical, More Program**
 - All 151A "Walking Warrant" Classes at Ft Eustis (moving to Ft Rucker?)
 - All AMMC Classes at Ft Rucker
 - AMCOM Logistics Assistant Representative School (LAR-U) at Redstone

- **Corrosion Monitor Class**
 - **Technical and Program**
 - **Army Requirements**
 - **Vendor and PM presentations**
 - **30 March -1 April 2010**
 - **8-10 June 2010**
 - **3-5 August 2010**



Corrosion Assistance Team (CAT) Visits



Classroom Briefing

- *General Corrosion Theory*
- *Preventive Maintenance*
- *Repair Techniques*
- *Approved Products*
- *Ordering Materials*
- *ARMS Compliance*



Hands-on

- *Conducted on Unit Aircraft*
- *Known Corrosion Trouble Spots*
- *Lessons Learned at Other Visits*
- *Local Aircraft Wash Procedures*
- *Corrosion Prevention Materials*
- *Local Unit Corrosion Issues*



Personnel Trained 2009



100 Units

3000 Personnel



AH-64D

Primary Hydraulic Manifold Harness (W419): P1047-Connector's positioning is conducive to water intrusion.



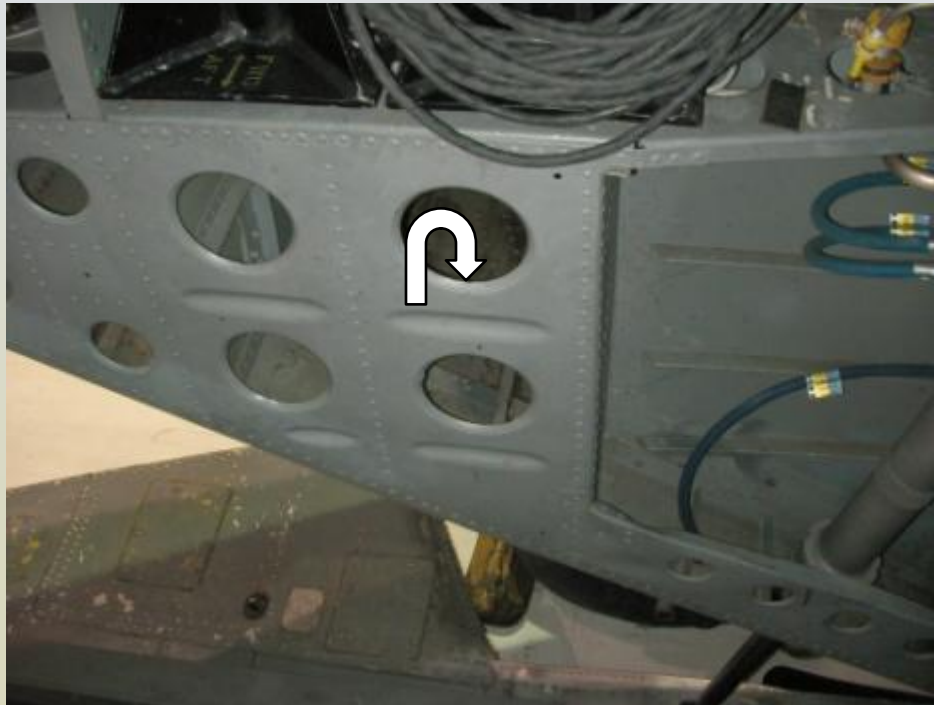
**Av-DEC sealing procedures and Potting Instructions MIM 09-001
(Article in December issue of The Inhibitor)**



CH-47 Chinook

Water Entrapment

This area is notorious for collecting water, dirt and debris. Some units have made drain holes here (UNAUTHORIZED) which will allow water to enter cabin during water landings. Good housekeeping is the solution.

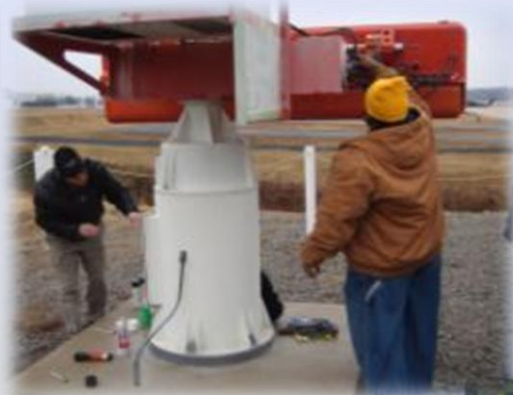




Air Traffic Control Site Visits

■ CONUS Sites

- Ft Belvoir
- Ft Bragg
- Redstone Arsenal
- Ft Rucker
- Ft Drum



■ OCONUS Sites

- Camp Humphreys,
Republic of Korea





Air Traffic Control (ATC)

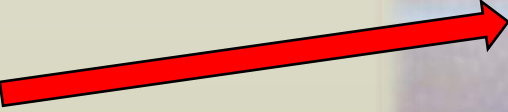
- **AN/FPN-67 FBPAR (Fixed Base Precision Approach Radar)**
 - Pedestal water intrusion leading to extensive corrosion
 - Junction box corrosion
 - Cable sheathing breakdown
 - Cable entry-point not environmentally sealed
 - Microbiological growth on cables

Transitioning old fixes to new equipment





Air Traffic Control (ATC)

- **Technical Manual Review of 3 Systems**
 - Air Traffic Navigation, Integration, and Coordination System (**ATNAVICS**) AN/TPN-31
 - Tactical Airspace Integration System (**TAIS**) AN/TSQ-221
 - Fixed Base Precision Approach Radar (**FBPAR**) AN/FPN-67
 - **NEW ATC GUY!!!** 





Air Traffic Control

Saltwater Tropical Environmental Effects on Digital Airport Surveillance Radar (DASR) Kwajelein Atoll





Unmanned Aerial Vehicle (UAV) Field Support



**First UAV visits
Baumholder, Germany
Ft Huachuca, AZ**





Fixed Wing Field Support

Fixed Wing site visit requests have more than doubled!

Approximately 6 FW personnel currently signed up for the Corrosion Monitor Class





Good News!



RUN...
have
product from
approved
for POL Lockers!





Need Help?

We're waiting for your call!





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