

Pacific Air Forces

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PACAF/A4

Corrosion Control Program

World Class, Synergized Corrosion Control Program



MSgt Holsinger
PACAF/A4MYE

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Report Documentation Page			Form Approved OMB No. 0704-0188		
Public reporting burden for the collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to a penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.					
1. REPORT DATE AUG 2011		2. REPORT TYPE		3. DATES COVERED 00-00-2011 to 00-00-2011	
4. TITLE AND SUBTITLE PACAF/A4 Corrosion Control Program			5a. CONTRACT NUMBER		
			5b. GRANT NUMBER		
			5c. PROGRAM ELEMENT NUMBER		
6. AUTHOR(S)			5d. PROJECT NUMBER		
			5e. TASK NUMBER		
			5f. WORK UNIT NUMBER		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Pacific Air Forces,PACAF/A4MYE,Hickam,HI,96853			8. PERFORMING ORGANIZATION REPORT NUMBER		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSOR/MONITOR'S ACRONYM(S)		
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited					
13. SUPPLEMENTARY NOTES Presented at the 2011 Air Force Corrosion Conference held 16-18 Aug 2011 at Robins AFB, GA.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 11	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



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Overview

- **Aircraft Wash Intervals**
- **PACAF/A4 and Deloitte Business Case Analysis (BCA)**
- **2010 PACAF Corrosion Survey**
- **PACAF LCAP Logistics Interest Item (LII)**
- **Corrosion Control Work Group (CCWG)**
- **Controlled Humidity Protection (CHP)**
- **Questions**



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PACAF Climate

■ T.O. 1-1-691, Section III

Air Base Name and Location	Wash Interval By Severity		
	Severe (30 days)	Moderate (90 days)	Mild (120 days)
Anderson AFB, GU	X		
Eielson AFB, AK			X
Elmendorf AFB, AK			X
Hickam AFB, HI	X		
Kadena AB, JA	X		
Kunsan AB, JA	X		
Misawa AB, JA		X	
Osan AB, JA		X	
Yokota AB, JA			X

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Business Case Analysis (BCA)

PACAF/A4 and Deloitte Business Case Analysis (BCA)

- Equipment database
- Business Optimization Tool
 - Discovered lack of needed data
 - A4MYE developed command corrosion data-tracking tool
- Possible Centralized Repair Facilities (CRF) options

The screenshot shows a web-based form titled "PACAF Corrosion Control Assets". It contains fields for Organization (Hickam, 15th AMS), Location (Bldg 2130), Workstation Name (C-17 Paint Booth/Wash Bay/Maintenance Hangar), Purpose (Wash, Paint, Maintenance), Equipment (Hangar), Manufacturer (URS), Model (J4), Serial Number (N/A), Size (6 X 10 X 10), Condition (New), Date Manufactured (Jun-2009), Date Installed, Purchase Price (\$40,000.00), Replacement Cost (\$40,000.00), Current Repair Cost, and Maintenance Days per Quarter. There is also a photo of the facility and a note about brand new facility.

The screenshot shows a software interface for the Business Optimization Tool. It features a toolbar with buttons for "Go To Instruction Guide Tab" and "Go To Input Variables Tab". Below the toolbar, there is a grid of eight options, each with a number and a description: Option 0 (CRF Wash), Option 1 (CRF Wash), Option 2 (CRF Wash), Option 3 (CRF Wash), Option 4 (CRF Wash), Option 5 (CRF Wash), Option 6 (CRF Wash), and Option 7 (CRF Wash). The interface also includes a text box stating: "The details for each option can be accessed by clicking on the option number below or by selecting the tab on the toolbar at the bottom of the workbook."



AFCPCO 2010 Corrosion Survey

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PACAF 2010 Corrosion Survey

■ IAW AFI 21-105 required every 5 years

■ Areas covered

Paint Facilities/Corrosion	Structural Maintenance	Wash Rack	Training
Wheel & Tire	Quality Assurance	AGE Facilities	Avionics
Flight Line Sampling	Support Sections	Hydraulics	Haz-Mart
Plans & Scheduling	Ammunition		

■ Action Items

■ Overall command view



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Logistics Interest Item (LII)

PACAF LCAP Logistics Interest Item (LII)

- Focus areas
- Implementation
- Current status/results

(LCAP) LII ____, CORROSION CONTROL PROGRAM INSPECTION GUIDE				
ITEM #	ITEM	REFERENCE(S)	COMMENTS	YES/NO
1.	HAVE PROCEDURES BEEN ESTABLISHED THAT ENSURE SECTIONS (AND ELEMENTS) MAINTAIN A RECORD OF INSPECTION, LUBRICATION AND MAINTENANCE OF INDUSTRIAL EQUIPMENT IAW APPROPRIATE GENERAL MAINTENANCE MANUALS AND TO'S?	AFI 21-101 PARA 3.9.13		
2.	DOES OR CAN ACCOMPLISH FREQUENT SPOT-CHECKS OF COMPLETED WASHES AND ADEQUATELY EVALUATE AT LEAST 10% OF WASH RACK OPERATIONS THROUGH OVER THE SHOULDER INSPECTION AND MAINTENANCE FOLLOW-UPS?	PACAFI 21-105. PARA 3.12.1 PARA 3.12.3		
3.	ARE WASH AND CORROSION WASH AND INSPECTION SCHEDULES BEING MONITORED IN WEEKLY AND MONTHLY MAINTENANCE PLANS AND ALL OVER-DUE WASHES PROPERLY ROUTED AND MAINTAINED?	PACAFI 21-105 PARA 3.7.1 PARA 3.7.5 TO 1-1-691 PARA 3.2.2.1 NOTE		
4.	ARE PROTECTIVE COATINGS APPLIED TO AIRCRAFT, AGE AND COMPONENTS IAW: -- APPLICABLE TO'S? -- AIRCRAFT SPECIFIC -- SUPPORT EQUIPMENT -- GENERAL COATINGS	-23 SERIES TO 35-1-3 TO 1-1-8		

(LCAP) LII ____, CORROSION CONTROL PROGRAM INSPECTION GUIDE				
ITEM #	ITEM	REFERENCE(S)	COMMENTS	YES/NO
5.	ARE CLEAN WATER RINSE REQUIREMENTS BEING PROPERLY DOCUMENTED AND COMPLETED?	TO 1-1-691 PARA 3.2.3 PARA 3.5.3		
6.	ARE TEMPORARY PAINT REPAIRS COMPLETED ON AIRCRAFT SUPPORT EQUIPMENT?	TO 35-1-3 PARA 3.5.3 TO 1-1-691 PARA 3.7		
7.	IS THERE A SCORING SYSTEM IN-PLACE AND PROPERLY UTILIZED TO DETERMINE PRIORITIZATION FOR REPAINT OF AIRCRAFT AND SUPPORT EQUIPMENT?	PACAFI 21-105 PARA 3.16.2		



Corrosion Control Work Group (CCWG)

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CCWG Membership

- **Chairperson: Deputy Chief, Maintenance Division**
- **Working Group Leader: Fabrications FAM**
- **Members**
 - **Wing Corrosion Managers**
 - **Mission Support Group (MSG) and other base agencies as needed**
 - **HQ PACAF/A7/SG/SE/CCO will act as advisors and attend as needed**
 - **Government Contractors & Individual Users as needed**
 - **The Air Force Corrosion Prevention and Control Office (AFCPCO) in an advisory capacity**



Corrosion Control Work Group (CCWG)

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CCWG Schedule/Objectives

■ Schedule

- Convene quarterly**
- Annually in conjunction with AF corrosion conference**

■ Objectives

- Discuss current LIMFACs and way-forward**
- Make recommendations to appropriate agencies**
- Discuss new technologies**
- Advocate for support and funding of corrosion prevention and control initiatives**



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Controlled Humidity Protection (CHP)

CHP

- **Methods**
- **Current use**
- **PACAF status**





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Questions?



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