

DoD Metal Finishing Workshop - Chromate Alternatives for Metal Treatment and Sealing

May 16, 17, 2007

Tour of Ogden Air Logistics Center, Hill AFB, afternoon of May 15

Hilton Garden Inn/Davis Conference Center, Layton, UT

AGENDA

Tuesday, May 15, 2007

Start

13:00	Badge Pick up
13:45	Bus to Hill AFB
14:00 to 16:00	Hill AFB tour
	Return to hotel/conference center

Wednesday, May 16, 2007

Start	Subject	Name	Organization
7:30	Registration, continental breakfast		
8:00	Welcome and logistics	Bruce Sartwell	ESTCP, SERDP
8:10	Workshop introduction and aim	Keith Legg	Rowan Technology
8:20	OSD and Emerging Contaminants	Carole LeBlanc	MERIT team
8:40	Global Chromate Requirements & Trends	Mike Wyrostek	MacDermid
9:00	Pretreatments for Al on aircraft	Bill Nickerson	NAVAIR
9:20	Cr ⁶⁺ and COTS options for vehicles	John Beatty	ARL
9:35	Hex Chrome Conversion Coatings at Hill AFB	Nate Hughes	Hill AFB
9:50	Application of PreKote at Robins AFB/C-130	Todd Lavender	WR ALC
10:05	BREAK		
10:25	Current Status of Trivalent Passivates	Mike Kelly	Taskem
10:40	Available Non Hexavalent Chromate Products	Craig Bishop	Atotech
10:55	Hex-Cr Free Zn & Zn Alloy Technology	Jim Kloeckener	Enthone
11:15	Chromate Alternatives for Metal Protection	Bill Wittke	Henkel
11:30	Managing the Transition to Hexavalent Chromium Free Anti-Corrosion Coatings	Rob Berry, Mike Wyrostek	MacDermid
11:50	Other COTS alternatives: specialist vendors	Joe Ciejka (Luster-on), Joe Radzvilowicz (Metalast), Richard Buchi (Pantheon Chemical), Ray Lindeman (Sur-Tec International), Mike Kelly (Taskem)	
12:10	Lunch		
13:15	Sol-gel Conversion coatings, and anodizing	Joe Osborne	Boeing
13:30	Coatings for Fasteners	Rick Delawder	SWD
13:45	Ce-based Conversion Coatings	Matt O'Keefe	Univ MO/Rolla
14:00	Issues with use of Chromate Alternatives	Steve Gaydos	Boeing
14:20	Panel Discussion #1 - COTS Cr⁶⁺ alternatives: Available products and experience with commercial Cr ⁶⁺ alternatives (for Al, steels, coatings)		<u>Chair:</u> Steve Brown Steve Brown (NAVAIR), Craig Bishop (Atotech), Jim Kloeckener (Enthone), Todd Lavender (WR ALC), Bill Wittke (Henkel), Mike Wyrostek (MacDermid),
15:20	BREAK		
15:40	Advanced Aluminum Anodizing Technology	Ruben Prado	FRC South
15:55	Modern Facilities Design for Surface Finishing	Peter Gallerani	Integrated Tech
16:15	Panel discussion #2 - Running a non-Cr⁶⁺ line		<u>Chair:</u> Bill Emery
16:15	What does it take to put a non-Cr system into practice?	Bill Emery (SW United), Dexter Dawson (PAS), Peter Gallerani (Integrated Technologies), Nate Hughes (Hill AFB), John Lindstedt (Artistic Plating), BJ Mason (Mid-Atlantic Finishing)	
17:15	End for day		
18:00 to 20:00	Networking Reception (light hors d'oeuvres, soft drinks)		

Thursday, May 17, 2007

Start	Subject	Name	Organization
7:30	Registration, continental breakfast		
8:00	Corrosion Protection of Structural Mg Alloys in Automotives	Wenyue Zheng (K. Legg)	CANMET-MTL
8:20	Cr-free conversion Coatings for Aerospace - the European Perspective	Nieves Lapena-Rey (S. Gaydos)	Boeing Europe/Spain
8:35	Electroplated AlumiPlate Al & TCP	Gus Vallejo	Alumiplate
8:50	ESTCP Hydrogen Embrittlement testing study	Steve Gaydos	Boeing St Louis
9:00			
9:10	BREAK		
9:30	Organization of Breakouts		
9:45	Breakout Sessions:		
	1. Pretreatment (conversion coating) of Al and Mg alloys – structural and electronic		<u>Chair: Joe Osborne</u>
	2. Chromate treatment of steels (e.g. chromate wash primer)		<u>Chair: John Beatty</u>
	3. Chromate treatment of coatings (IVD Al, electroplated Al, Zn, ZnNi)		<u>Chair: Steve Gaydos</u>
11:45	Lunch (breakout chairs put together summaries)		
13:15	Outbriefs from Breakouts		
14:15	Open Discussion		
14:35	BREAK		
14:55	Introducing Products to DoD Utilizing OSD's New Specs & Standards On-line Tool	Robert Herron	Redstone Arsenal
15:15	Panel discussion #3 - Getting alternatives into production		<u>Chair: Robert Herron</u>
	Qualification, Authorization, Implementation Paths & Drivers (who authorizes for different services and applications)	Robert Herron (Redstone), Steve Battle (WR-ALC), John Beatty (ARL), Elizabeth Berman (AFRL), Mike Hanson (Coast Guard), Nate Hughes (OO-ALC), Ron Montgomery (Hill AFB), Steve Brown (NAVAIR), Doug Wiser (ES3).	
16:30	Open Discussion		
17:00	End of Workshop		