



# *Previous Meeting Summary*



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**Fall 2011**

## *Parts Standardization & Management Committee Meeting*

**Held November 2011**

**Boeing Seattle, WA**

**LMI**

**Spring PSMC, DC Area  
April 24, 2012**



# ***Presentations***



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## **“DSPO Perspective on Parts Management”**

(DSPO Director)

- The revision to DoDI 2120.24, DSP, was signed in July 2011, making DSPO’s transition from logistics to systems engineering permanent. Next step: revise DoD 2120.24-M, the more detailed policy / procedures manual.
- A gap analysis is underway to review mil-standards canceled during mil-spec reform and identify current guidance gaps. Four areas: Systems Engineering & Technical Audits / Reviews; Configuration Management; Manufacturing & Quality, and Logistics Support Analysis.
- DoD budget cuts are coming. Examples are needed of parts management practices resulting in cost avoidance to help “sell” the program.



# ***Presentations***

## ***(Continued)***



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### **“Systems Engineering Updates for Parts Management ”**

(Support Contractor from IDA)

- Related highlights of annual SE conference held previous week. Key areas: SECDEF And AT&L priorities; SE policy and guidance overview; SE’s relationship to parts management; prevalent affordability theme; consideration for future initiatives.

### **“Counterfeit Update – DoD” (GIDEP Program Manager)**

- DoD Working Group is weighing alternatives and developing a purpose statement, objectives and milestones
- Subgroups in: reporting, technical, training, policy and contracts
- Overall policy is needed—hopefully it will be out by FY12
- Need to ensure two-way information sharing (industry / government)
- Business rules are needed to protect sensitive information



# ***Presentations***

## ***(Continued)***



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### **“Industry Counterfeit Mitigation Update”** (Boeing Rep)

- SAE is pursuing a mechanical/material/electrical standard.
- Also, SAE is working on a standard defining AS5553 assessment criteria.
- SAE is working on a standard to certify non-OEM franchise distributors, including a third-party assessment process. After it's in place, there'll be a process assessment.
- Application is a key consideration: how to develop a standard that can be applicable across the hi-rel area.

### **“Anti-Counterfeit Efforts”** (Representative of IHS)

- A presentation was given on the company's initiatives to help mitigate counterfeit for its clients.



# ***Presentations***

## ***(Continued)***



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### **“DNA Marking / Authentication for Absolute Assurance of an Authentic Component”** (Representative of Applied DNA Sciences)

- Parts can be “branded” at the molecular level.
- Botanical DNA is acquired then segmented.
- Segments are shuffled, reassembled and encrypted.
- Non-forensic, rapid screening can be conducted in the field with forensic authentication performed in the lab.
- Authenticity is provided throughout the supply chain.
- SAE’s G-19 Subcommittee is forming a “Marking/Tagging” working group to begin drafting a standard.



# ***Presentations***

## ***(Continued)***



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### **“Lead-Free Challenges Update” (Boeing Seattle Representative)**

- PERM is responsible for the long-term overall aerospace and defense strategy and tactics to effectively deal with Pb-free electronics issues and maintain GEIA Pb-free standards.
- Several PERM standards have already been released by GEIA. PERM is currently working on GEIA-HB-0005-4 on performing reliability assessments for Pb-free assemblies. A verification criteria and methods document is also in work.
- Key issues include: unclear DoD policy status, tin “whiskers,” no funding for recommended research, no consensus on how to verify compliance to PERM standards, and unresolved COTS issues of configuration control and reliability assessments.



# ***Presentations***

## ***(Continued)***



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### **“DMSMS Industry Standard”** (Representative of Boeing Seattle)

- The document has been released by TechAmerica and is available for sale as GEIA STD-0016.
- APMC has also approved a project to develop verification criteria for the new standard.

### **“A BCA Parts Management Activities”** (Boeing Everett Rep)

Addressed parts management processes in use at Boeing Commercial Airplanes, including:

- Global electronics supply chain (long, circuitous, constantly changing)
- Avionics supply chain (using components targeted for other markets to build products that must meet mil-aero requirement), and
- Requirements flow down (customer to supplier).



# ***Presentations***

## ***(Continued)***



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### **“PinPoint Update”** (Representative of XSB)

- Provided an update on this R&D project of DLA, including: usage growth, soliciting user feedback, improved functionality, and current data landscape.
- Future plans include:
  - Full integration of SoLR indexing
  - Better integration of NSN and part number data
  - Making SMART information available on regulated/hazardous mat’ls
  - Integrating parts data sharing for participating OEMs, and
  - Exploring options for making the tool available to more users.



# ***Contracts, Policy, Systems Engineering, Education/Documentation Subcommittee Meeting***



- Change Notice 1 to MIL-STD-3018, Parts Management, adding Pb-free and counterfeit sub-plan requirements, was published in ASSIST in October 2011.
- SD-19, Parts Management Guide, now needs to be updated to reflect the changes in Change Notice 1.
- The subcommittee resolved comments from individuals regarding the draft checklist matrix of questions for Parts Management to be used during Systems Engineering reviews such as SRR, PDR, and CDR. Chair will send to people who are absent for their review. The parts management questions are formatted comparably to other checklist content and based on MIL-STD-3018. The checklist may be added to SD-19 as an appendix.
- The business case needs to be brought up to date.
- The DAU CLL206 course name is changing from “Parts Management Executive Overview” to “Introduction to Parts Management,” to indicate that it provides a high-level overview for users at any level.



# ***Counterfeit Parts Mitigation Subcommittee Meeting***



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- The Counterfeit Parts Subcommittee will actively support the SD-19 update effort being led by the Policy Subcommittee.
  - Some important questions to consider:
    - How do we address the long program cycles of our products?
    - How do we integrate redesigns so we don't experience obsolescence problems and risk having counterfeit parts in the supply chain?
    - There is a lot of attention being paid to counterfeit now, such as the SASC hearings. Stay tuned...



# *Tools & Data*

## *Subcommittee Meeting*



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- The Tools Subcommittee discussed:
    - PinPoint
      - Expansion of capabilities underway
      - Build infrastructure to make data sharing more seamless
      - Connotations of “common parts” vs. “preferred parts”
    - Data Exchange Standard
      - First meeting May 11<sup>th</sup>, workshop (SAE, AIA, OEMs, Boeing, ASTM, etc.)
      - Briefing at the next PSMC meeting