Outline

• LOGSA Missions

• Background
  – LOGSA Role in ILS Standards

• LOGSA’s Current Efforts

• The ASD Suite of Standards
LOGSA Mission

Provide logistics intelligence, life cycle support, and technical advice and assistance to the current and future force; Integrate force, readiness, authorization, and asset logistics information for worldwide equipment readiness, distribution pipeline performance analysis, and asset visibility for timely and predictive decision making.
LOGSA

What We Do:

- Own and Sustain the Army’s Logistics Information Warehouse (LIW)
- Provide a Consolidated View of Entire Logistics System Turning Data into Information, Intelligence and Knowledge
- Provide Lifecycle Support through Sustainment of ILS Policy and Engineering Models
- Provide Support to the SALE through Data Cleansing and Validation and Legacy System Interfaces

What We Manage:

- ETMs/IETMs
- Army Oil Analysis Program (AOAP)
- Army Air Clearance Authority (AACA)
- PS Magazine
- ILS Policy
- Readiness Integrated Data Base (RIDB)
- Vehicle Registration Program
- Unique Item Tracking (UIT)
- Army Portion of FEDLOG
- DODAACS, RICs, Army Project Codes Assignment
- Packaging and Containerization Policy and Testing
- Army Intermodal and Distribution Platform Program (AIDPMO)
- Sets, Kits, Outfits and Tools (SKOT) Library

The Magnitude:

- Over 5 Billion Data Records
- 10,000 Reference Tables
- 5 Million Transactions Daily

Worldwide Operations...

- Redstone Arsenal, AL
- Tobyhanna Army Depot, PA
- Pensacola, FL
- Ft. Belvoir, VA
- Balad, Iraq
- Arifjan, Kuwait
- CONUS & OCONUS AOAP Labs
## Standards

### US-Industry

- GEIA-STD-0007 Logistics Product Data
- GEIA-STD-0009, Reliability Program
- NAVAIR 00-25-403, RCM
- SAE JA 1012, Guide to RCM
- EIA-836A, CM Data Exchange & Interoperability
- MIL-STD-3008, IETM Tech Data Reqts to Spt GCSS-Army
- Machine Information Management Open System Alliance (MIMOSA)

### ASD Suite

- S1000D, Intl Spec for Tech Pubs & CSDB
- S3000L, Intl procedure spec for LSA
- S1003X, S1000D & S3000L interchange spec
- S4000M, Intl procedural handbook for developing sched maint programs
- S5000F, In-Service Feedback (In process)
- S6000T, Training (not started)

### Other Standards

- ISO 10303, AP239, Product Life Cycle Support (PLCS)
Business Data Exchange Sets

- **S3000L (Drafted)**
  - DEX1AD, Product Breakdown for Support
  - DEX3AD, Task Specification
- **GEIA-STD-0007 (Drafted)**
  - Breakdown Element (X Entities)
  - Operations and Maintenance Requirements (A Entities)
  - Reliability and Failure Modes (B Entities)
  - Task Analysis (C Entities)
  - Skills (G Entities)
  - Facility (F Entities)
  - Support Equipment (E/U Entities)
  - Transportability (J Entities)
  - Provisioning and Cataloging (H Entities)
- **EIA-836A DEXs (In-process)**
  - Technical Data Package
  - Request for Variance

AP239, Product Life Cycle Support Compliant
LOGSA Support to ASD Specifications

- **S1000D**
  - Steering Committee Member
  - Chair, Army Land Working Group
  - Rotating Co-Chair USSMG
  - Army Lead in Developing Business Rules Mil-Std

- **S3000L**
  - Member of S3000L Committee
  - Developed Chapter 11, Level of Repair Analysis
  - Sub-Committee Participant for the S3000L Data Model
  - Member of Maintenance Task Data Task Team
    - S1000D to S3000L Matrix
    - S1003X Development
    - DEX1AD and DEX3AD Development

- **S5000L**
  - Kickoff Meeting
  - Member of S5000L Committee
ASD/DOD-Industry Standards Relationship

Design of systems and support equipment

- EIA-836A DEX
- GEIA-STD-0007 DEX’s

Logistic Support Analysis
- S5000F – Operational & maintenance data feedback
- S3000F
- S4000M

Provisioning
- LSA data
- S1003X DEX1AD and DEX3AD
- LSA: tasks / data

Order Administration
- Provisioning data
- S2000M

Technical Documentation/Training
- IETM, Training other media
- S1000D S6000T

In service operation

- Logs Mat and data
- IP data subsets

Design data

- S1000M
- S4000M
- S1003X

Equipment identification
- Design data

GEIA-STD-0007/0009

SAE JA 1012/NAVAIR 00-25-403

MIMOSA/MIL-STD-3008

AsDOD Industry Standards Relationship

UNCLASSIFIED

USAMC LOGSA ~ SUPPORTING WARFIGHTERS GLOBALLY

UNCLASSIFIED

03/23/09
**Data Comparison of GEIA-STD-0007 vs ASD Suite of ILS Specifications**

### GEIA-STD-0007, Logistics Product Data

<table>
<thead>
<tr>
<th>R&amp;M Rqts</th>
<th>FMECA/RCM</th>
<th>Task Analysis/S1000D</th>
<th>Skills</th>
<th>Spt Equip</th>
<th>Facilities</th>
<th>Trans</th>
<th>PTD/Packaging</th>
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</table>

### ASD Suite of ILS Specifications

<table>
<thead>
<tr>
<th>R&amp;M Rqts</th>
<th>LSA FMEA S3000L</th>
<th>RCM/MSG-3 S4000M</th>
<th>Task Analysis S3000L</th>
<th>Skills S6000T</th>
<th>IETMs S1000D</th>
<th>PTD S2000M</th>
<th>In-Service S5000F</th>
</tr>
</thead>
</table>
ASD Suite of ILS Specifications

General Comments

• Integrated Approach to Development – Recommends Implementing Complete Suite
• Data Models Lacking for S2000M, S4000M
• Additional Data Exchange Sets (AP239 Compliant) Will be Needed (DEX1AD and DEX3AD Great Start!)
• Interface/Integration of Suite with PDM Data Needed (eg S1000D uses SNS and S3000L Allows LCNs)
ASD Suite of ILS Specifications

- **S1000D** – Complexity Requires Mil-Std for Army/DoD Implementation
- **S2000M** – Last Updated in 2005
  - Needs Data Model
  - Needs DEX to Exchange with S3000L
- **S3000L** – Excellent Model/DEXs
  - Will Need FMEA/FMECA DEX
- **S4000M** – Just Released for Staffing
  - Will Need Data Model
  - Will Need DEX to Exchange with S3000L
- **S5000F** – In Development
  - Developing Data Model/AP239 Compliant
  - DoD MIL-STD-3008 Impact?
  - MIMOSA Interface?
- **S6000T** – On Drawing Board – Apply Lessons Learned
Summary

  - Technical Data Package, etc.
  - Reliability Program
  - Task Analysis
  - Provisioning
- Army Mandates use of SAE JA 1012 for RCM
- Navy Mandates use of NAVAIR 00-25-403 for RCM
- US DOD Working Toward Adoption of S1000D, Issue 4
- MIMOSA/MIL-STD-3008 Provide for Army In-Service Feedback – Condition Based Monitoring
- Adoption of S3000L for Specifying LSA Analysis – TBD
Questions??
Contact Information

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GEIA-STD-0007
Logistics Product Data

• Data Schema – Data Model

• Data Element Dictionary (594 Data Elements)

• XML Schema for Data Exchange of Logistics Product Data
  • Update/Change Process
    – XML Schemas for Transaction Sets
      • Provisioning Data & Style Sheet (Meets CCSS/LMP Input Requirements)
      • Packaging & Style Sheet (Meets DD-2326 Packaging Requirements)
      • Task Analysis

XML Schemas Provide Mechanism for Data Exchange/Delivery
GEIA-STD-0007 DOD Adoption Notice

ADDITION NOTICE


This Standard defines Acquisition Data needed to define the support system for new products, systems and end items. GEIA-STD-0007 is a new and improved replacement for the cancelled MIL-STD-1388-2B.

Custodians: Adopting Activity:
Army - TM2 Army - TM2
(Contract SESS-2008-011)

Note: Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at http://assist.daps.dla.mil

AREA SESS

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MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Government Electronics and Information Technology Association Standard 0007 (GEIA-STD-0007), Logistics Product Data

The Army supports GEIA-STD-0007, Logistics Product Data, as a non-government standard (NGS) to facilitate an interoperable approach for managing product and technical data across the Army.

GEIA-STD-0007, Logistics Product Data was published in August 2007 and represents a significant improvement in the range and depth of logistics data that can be acquired during design and acquisition of Army systems. In addition, GEIA-STD-0007 uses the latest technology for delivery/exchange of data via standardized XML Schemas and Style Sheets.

This office supports the adoption and use of this standard on all Army acquisition efforts in lieu of MIL-PRF-49506, Logistics Management Information. Implementation and acquisition of GEIA-STD-0007 data and summaries will be accomplished via the new Data Item Descriptions DI-SESS-81758, Logistics Product Data and DI-SESS-81759, Logistics Product Data Summaries.

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