

# LOGSA View on the ASD Suite of ILS Specifications

S1000D Users Forum  
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*SUSTAINING THE ARMY THROUGH THE MATERIEL ENTERPRISE LENS...*



# 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 (AACAA)
- 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:

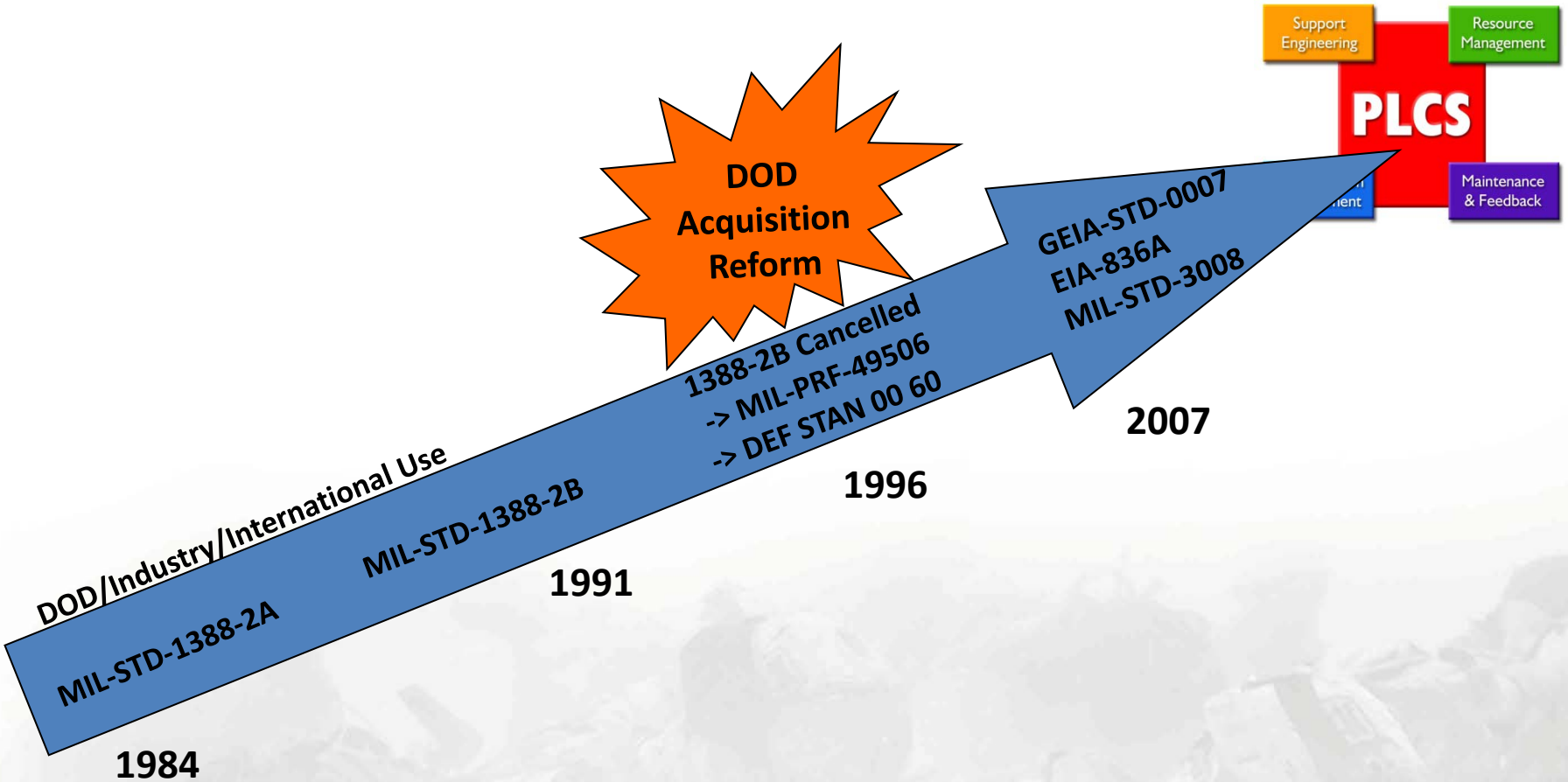
- Over 5 Billion Data Records
- 10,000 Reference Tables
- 5 Million Transactions Daily

## Worldwide Operations...

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



# Background/History





# Standards Standards 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
- S2000M, Intl. Spec for Materiel Management
- S3000L, Intl procedure spec for LSA
- S1003X, S1000D & S3000L interchange spec
- S4000M, Intl procedural handbook for developing schd maint programs
- S5000F, In-Service Feedback (In process)
- S6000T, Training (not started)

- 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





# LOGSA Support to ASD Specifications

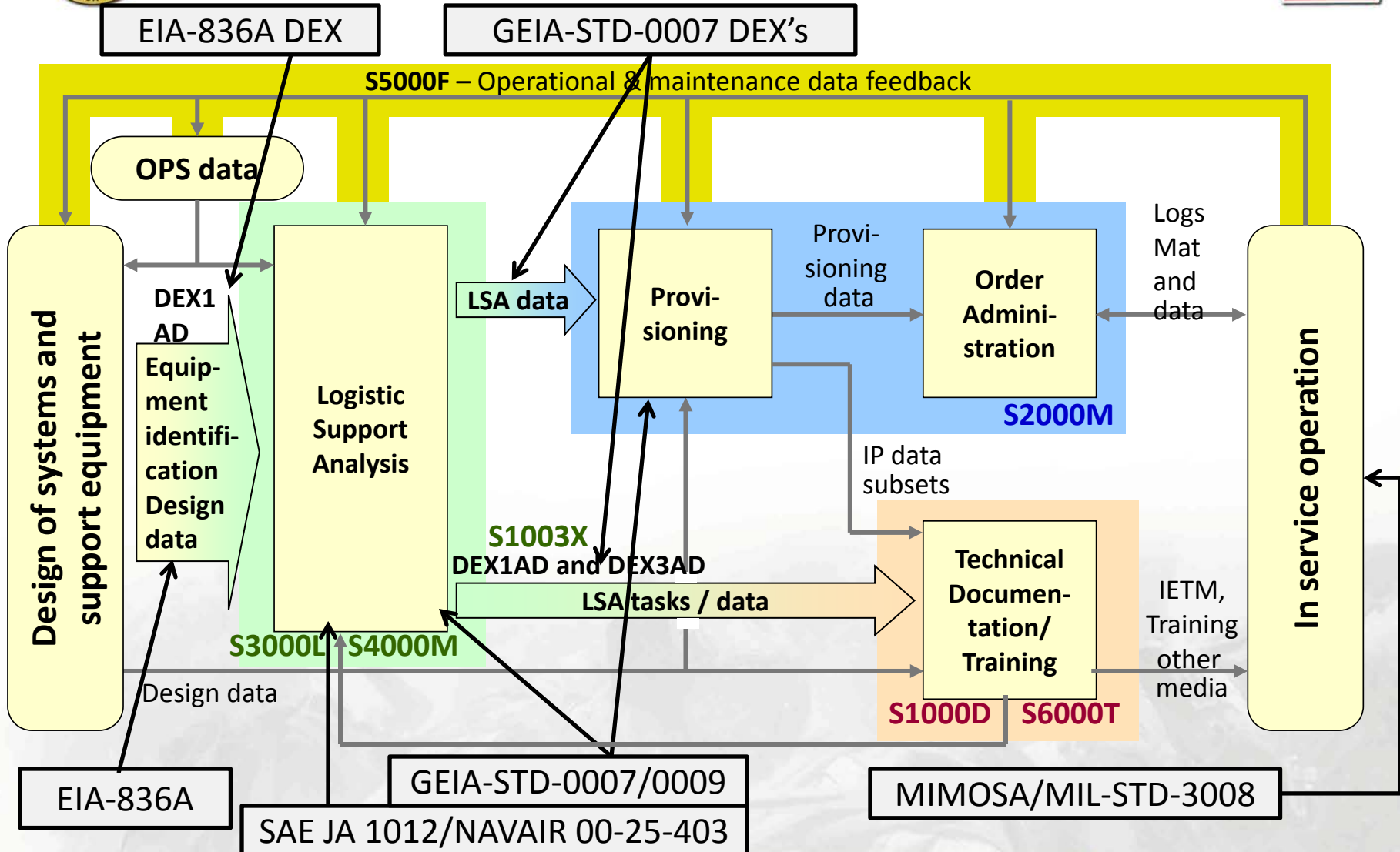


- **S1000D**
  - Steering Committee Member
  - Chair, Army Land Working Group
  - Rotating Co-Chair USSMG
  - Army Lead in Developing Business Rules Mil-Std
- **S3000L**
  - Member of S3000L Committee
  - Developed Chapter 11, Level of Repair Analysis
  - Sub-Committee Participant for the S3000L Data 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





# Data Comparison of GEIA-STD-0007 vs ASD Suite of ILS Specifications



## GEIA-STD-0007, Logistics Product Data

R&M Rqts	FMECA/RCM	Task Analysis/ <b>S1000D</b>	Skills	Spt Equip	Facilities	Trans	PTD/ Packaging
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## ASD Suite of ILS Specifications

R&M Rqts S3000L	LSA FMEA S3000L	RCM/MSG-3 S4000M	Task Analysis S3000L	Skills S6000T	IETMs S1000D	PTD S2000M	In-Service S5000F
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# 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



- **US DOD Adopted GEIA-STD-0007, EIA-836A and GEIA-STD-0009 for Use**
  - 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



GEIA-STD-0007

## ADOPTION NOTICE

GEIA-STD-0007, "Logistics Product Data", was adopted on 15-OCT-08 for use by the Department of Defense (DoD). Proposed changes by DoD activities must be submitted to the DoD Adopting Activity: U.S. Army Materiel Command, Logistics Support Activity (LOGSA), 5307 Sparkman Circle, Redstone Arsenal, AL 35898 ATTN: Policy and Standards (AMXLS-AL). Copies of this Standard may be purchased from the Government Electronics and Information Technology Association, 2500 Wilson Boulevard, Arlington, VA 22201-3834 <http://geia.org>

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:**  
Army – TM2

**Adopting Activity:**  
Army – TM2  
(Project 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

**DISTRIBUTION STATEMENT A:** Approved for public release; distribution is unlimited.



# Army Memo - GEIA-STD-0007

DEPARTMENT OF THE ARMY  
OFFICE OF THE ASSISTANT SECRETARY OF THE ARMY  
ACQUISITION LOGISTICS AND TECHNOLOGY  
103 ARMY PENTAGON  
WASHINGTON DC 20310-0103



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MEMORANDUM FOR SEE DISTRIBUTION

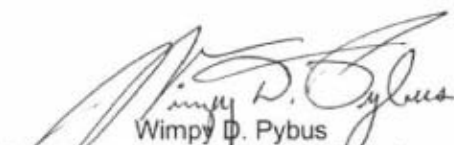
SUBJECT: Government Electronics and Information Technology Association  
Standard 0007 (GEIA-STD-0007), Logistics Product Data

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.

My points of contact for this action are Mr. Larry Hill, (703) 604-7450, or email: larry.w.hill1@us.army.mil and Mr. Matthew Adams, (703) 604-7448, or email: matthew.adams2@hqda.army.mil.

  
 Wimpy D. Pybus  
 Deputy Assistant Secretary of the Army  
 (Acquisition, Policy and Logistics)