

U.S. ARMY MATERIEL COMMAND
LOGSA
SUPPORTING WARFIGHTERS GLOBALLY

Applying PLCS - Successes, Challenges, and Opportunities

MBE/TDP Summit, 14 DEC 10

Mr. Scot M. Motquin



SUSTAINING THE ARMY THROUGH THE MATERIEL LENS...



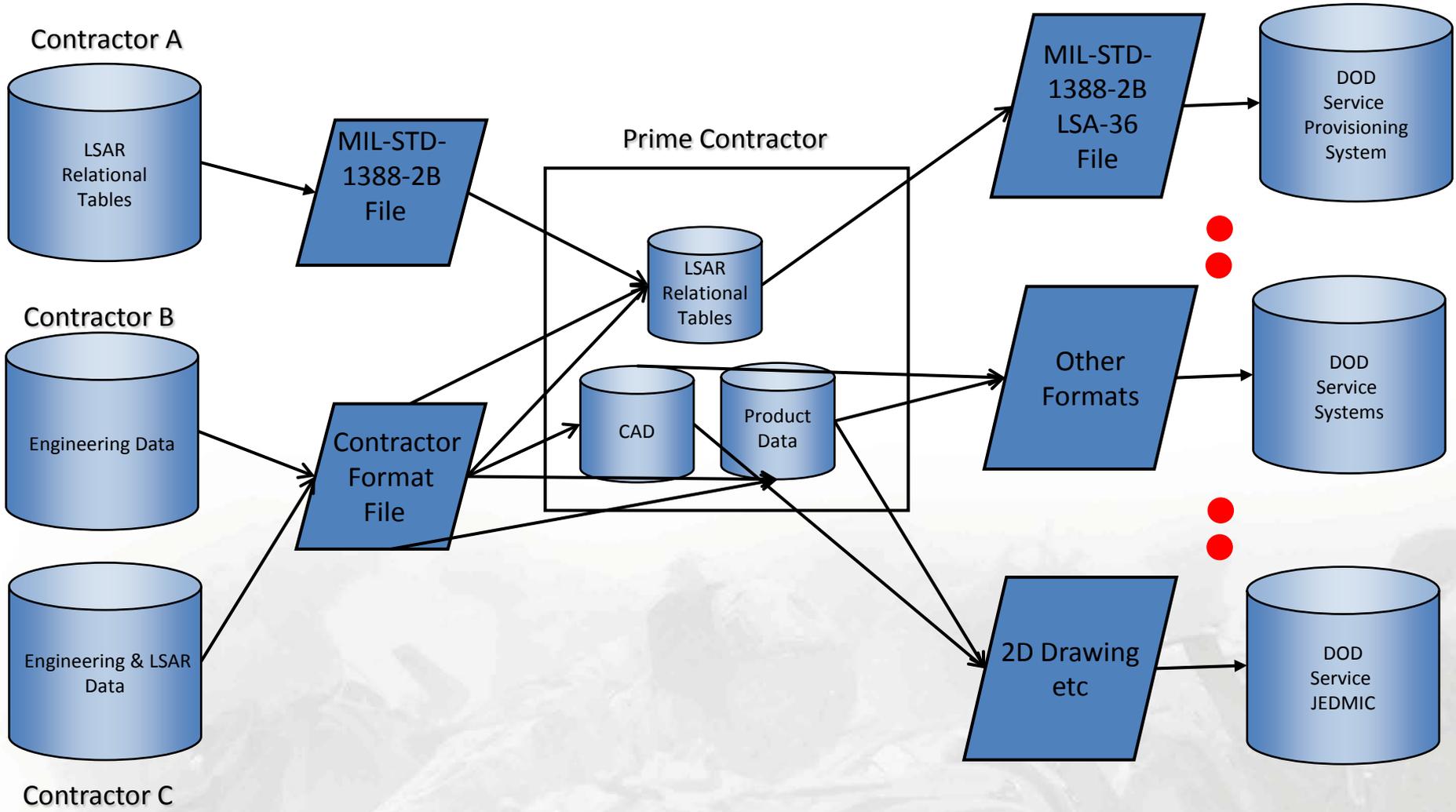
Agenda



- Current perspective of Logistics Product Data (LPD) exchange
- Future perspective of Logistics Product Data exchange using Product Life Cycle Support (PLCS)
- Applying PLCS
- US Army Pilot Project
- Challenges
- Successes
- Opportunities



Current Perspective

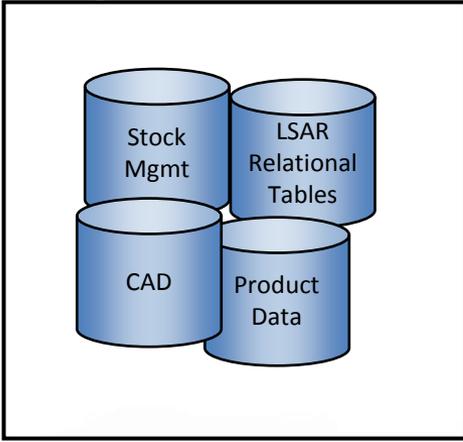




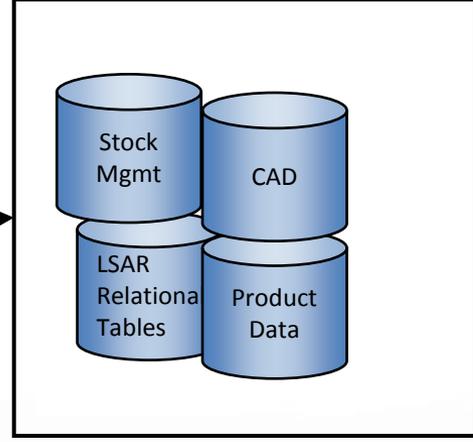
Future Perspective



Contractor X
Integrated ERP Solution



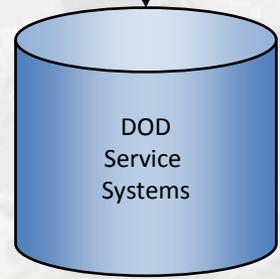
Prime Contractor
PLM System



STEP (AP 203 & AP 214 PDM)

PLCS
LSAR
DEX

PLCS
Provisioning
DEX





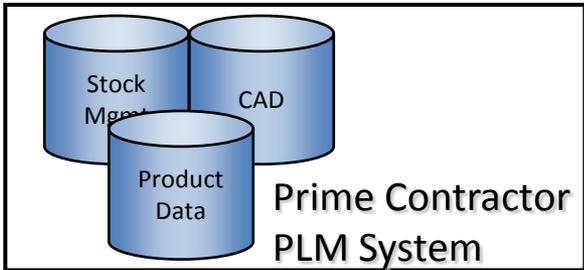
Apply PLCS Solution



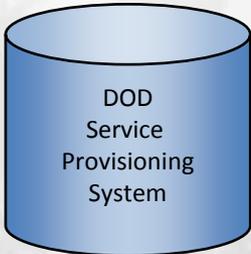
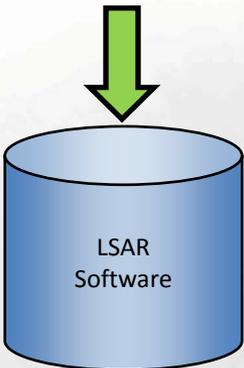
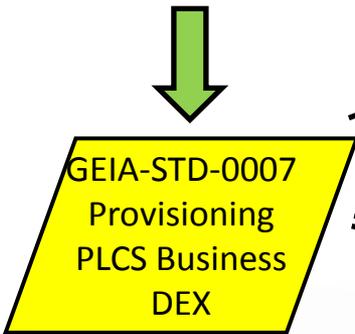
- **GEIA-STD-0007, Logistics Product Data**
 - Nine PLCS Business DEX(s) identified by LOGSA to meet DOD acquisition
 - logistics data exchange needs:
 - ✓ Breakdown Element
 - ✓ Provisioning and Cataloging
 - ✓ Task
 - ✓ Reliability and Failure Mode
 - ✓ Support Equipment Recommendation Data
 - ✓ Transportability
 - ✓ Operations and Maintenance
 - ✓ Facility
 - ✓ Skill Resources



DoD Business Solution



PLCS Part 28 - Using PLM BOM





US Army Pilot Project

CROWS II





US Army PLCS Pilot Project



Kongsberg & DNV

Share-A-space
Servers & Modules

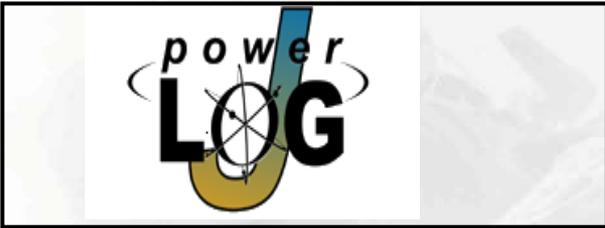
PLCS Part 28 - Using PLM BOM

GEIA-STD-0007
Provisioning
PLCS Business
DEX

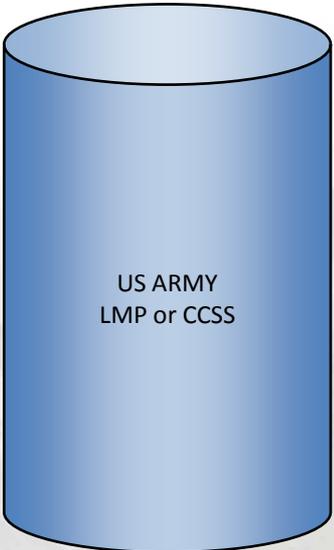


LOGSA

PM Solider Weapons
(CROWS II)



GEIA-STD-0007
Isa036.txt
File





Challenges



- Continue to support current force while transforming to future
- Numerous...
 - Stakeholders
 - Warfighters
 - US Department of Defense
 - Manufacturers
 - Systems
 - PLM/PDM
 - Logistics
 - ERP
- Lack of Standardization
- PLCS is still in infancy in U.S.
- Modifying current business practices
 - Current U.S. Government Systems
 - MIL-STD-1388-2B LSA 036 Provisioning Technical Documentation
 - Service Software Systems - LMP/CCSS/D220/ICAPS



Successes



- **PM Solider Weapons currently funding LOGSA**
 - Exchange of Provisioning & Cataloging DEX
 - Provide contract deliverable
- **GEIA-STD-0007 PLCS Compliant Business DEXs**
 - Product Breakdown for Support DEX - 90% Complete
 - Provisioning & Cataloging DEX - 100% Complete
 - Seven other DEXs Drafted
- **Collaboration with International PLCS users & vendors**
 - Validate data and IT systems
- **ASD DEX1AD (Product Breakdown) & DEX3AD (Task Set)**
- **Create interoperability between PLM/PDM Systems to Logistics Product Data systems**
 - ERP-LN & ENOVIA to PowerLOG-J



Opportunities



- Enable the ability to contract for high quality data
- Ease the exchange of data between customers, vendors, suppliers, and sub-contractors via a standard format
- Allow for flexibility in software implementations
- Demonstrate the ability to use PLCS
- Increase the usage of PLCS solutions
- Development of other Interoperable PLCS Business DEXs
 - GEIA-STD-836-A/EIA-STD-649 (Configuration Management)
 - MIL-STD-31000 (Technical Data Packages)
 - ASD (S2000M, Materiel Mgmt; S3000L, Logistics Support Analysis)
- Leverage Other STEP APs
 - Product Data Management (PDM) - AP(s) 203 & 214



Comments/Questions?

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Backups





PLCS Implementers Forum (IF)



- **Opportunities**
 - Public and members area for collaboration of PLCS knowledge
 - Validation & Verification of PLCS, PLCS Business DEX, etc
- **Challenges**
 - Logical business plan from inception to sustainment phase
 - Definition of IF
 - Use cases
 - Testing
 - Validation & Verification
 - Certification
 - Sample & Test Data
 - Membership
 - Solution
 - Governance
 - Best Practices



PLCS IF Solution



- **LOGSA**

- Estimate 3 month effort
- Currently writing SOW
- Currently investigating and documenting PLCS user requirements
 - **OASIS**
 - **Organizations (PDES Inc., ASD, AIA)**
 - **DoD Services**
 - **MoD(s)**
 - **Industry (Vendors, Users, etc)**
- 02 DEC 10, OASIS TC Teleconference
- Anticipated kick-off meeting JAN 11



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