

U.S. ARMY MATERIEL COMMAND
LOGSA
SUPPORTING WARFIGHTERS GLOBALLY

PowerLOG-J

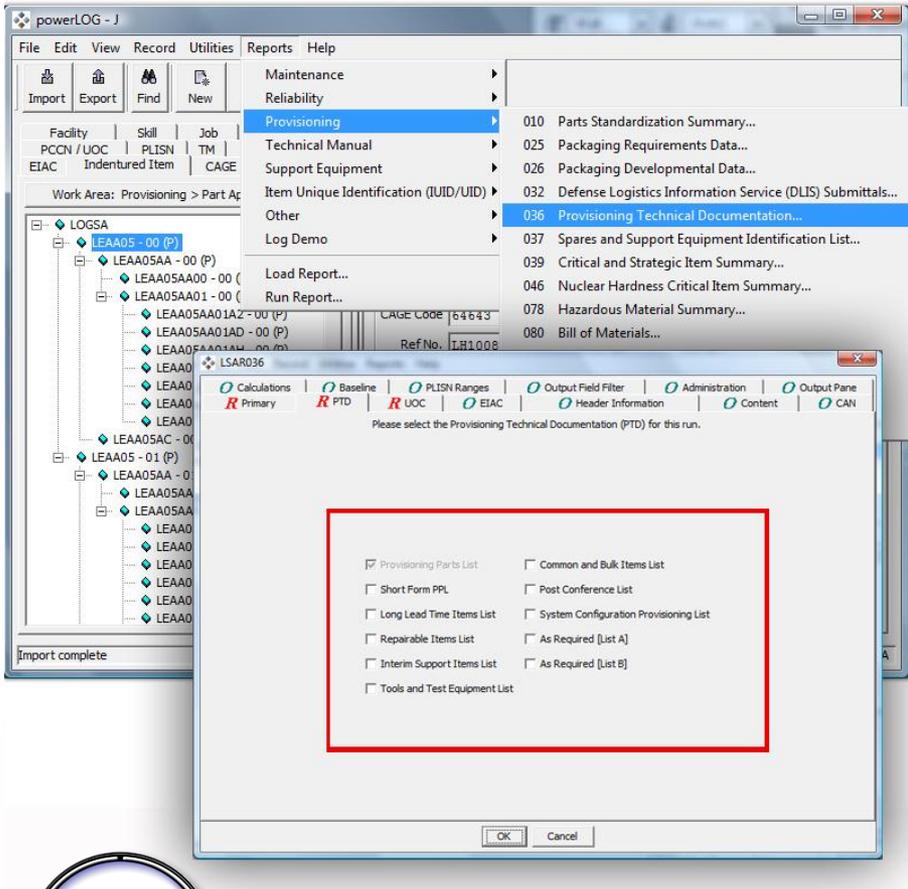
23 August 2011



SUSTAINING THE ARMY THROUGH THE MATERIEL LENS...



powerLOG-J



Application Overview

PowerLOG-J is an acquisition logistics data management tool designed to assist Government and Contract organizations in integrating logistics requirements data and producing logistics products to reduce sustainment costs and log footprint. CON Cert# 201006571

Benefits

- Standardized Logistics Data Formats
 - Interface with LMP, FLIS, and many other logistics systems throughout DOD.
- Satisfies Requirements and Specifications for
 - Logistics Support Analysis Record (LSAR)
 - Logistic Management Information (LMI)
 - Logistics Product Data
- Assists in Technical Manual and IETM Development
- Assists in identifying errors and cleansing product data through edits, user interface, utilities, and reports
- Produces more than 55 logistics products.

Decision Support for Leadership

PowerLOG-J can be used to develop, analyze, integrate, and update logistics data for materiel systems and generate LSAR summaries in XML, HTML, and PDF formats.





PowerLOG Output Products



• Reports

Maintenance

- 001 Annual Man Hours by Skill Specialty Code and Level of Maintenance...
- 003 Maintenance Summary...
- 005 Support Item Utilization Summary...
- 006 Critical Maintenance Task Summary...
- 008 Support Items Validation Summary...
- 011 Requirements For Special Training Devices...
- 023 Maintenance Plan Summary...
- 024 Maintenance Plan...
- 065 Manpower Requirements Criteria (MARC)...
- 077 Depot Maintenance Interservice Data Summary...

Reliability

- 050 Reliability Centered Maintenance Summary...
- 056 Failure Mode, Effects, and Criticality Analysis (FMECA)...
- 058 Reliability and Maintainability Analysis...

Provisioning

- 010 Parts Standardization Summary...
- 025 Packaging Requirements Data...
- 026 Packaging Developmental Data...
- 032 Defense Logistics Information Service (DLIS) Submittals...
- 036 Provisioning Technical Documentation...
- 037 Spare and Support Equipment Identification List...
- 039 Critical and Strategic Item Summary...
- 046 Nuclear Hardness Critical Item Summary...
- 078 Hazardous Material Summary...
- 080 Bill of Materials...
- 151 Provisioning Parts List Index...
- 152 PLISN Assignment/Reassignment...
- 154 Provisioning Parts Breakout...
- 155 Recommended Spare Parts List...

Technical Manual

- 004 Maintenance Allocation Chart...
- 018 Task Inventory Summary...
- 019 Task Analysis Summary...
- 020 Task Narrative...
- 030 Repair Parts and Special Tools List...
- 033 Preventive Maintenance Checks and Services...
- 040 Authorization List Items Summary...
- 067 Electronic Documentation Requirements...

2361/40051 ▶



PowerLOG Output Products



Support Equipment

- 007 Support Equipment Requirements...
- 013 Support Equipment Grouping Utilization Summary...
- 070 Support Equipment Recommendation Data (SERD)...
- 071 Support Equipment Candidate List...
- 072 Test, Measurement and Diagnostic Equipment (TMDE) Requirements Summary...
- 074 Support Equipment Tool List...
- 076 Calibration and Measurement Requirement Summary...

Other

- 009 Support Items Validation...
- 012 Facility Requirements...
- 014 Training Task List...
- 068 Task Code to SMR Code Verification...
- 075 Consolidated Manpower, Personnel, and Training...
- 085 Transportability Summary...
- 126 LCN/PCCN Indenture Structure Tree...

Item Unique Identification (IUID / UID)

- 097 Installation Locations of Serial Numbered Items
- 098 Installation Locations of Batch/Lot Controlled Items Specifications
- 099 End Item Configuration By Unique Identification Specification

LOG Demo

- Log Demo Maintenance Task and Status
- Log Demo Maintenance Task Comparability

• Exports

MIL-STD-1388-2B	Full File...	COEI/BII/AAL/EXP..	MIL-STD-1388-2B	
powerLOG - J	Change Only...	MAC	powerLOG - J	
GEIA 0007		MTE	GEIA 0007	
IM		PMCS	IM	
powerLOG-J Baseline...	2361	RPSTL	powerLOG-J Baseline...	
PTD Baseline...	S1000D	MAC	PTD Baseline...	
Log Demo		PMCS	Log Demo	Log Demo Task...
Backup Database...		COEI/BII/AAL/Exp..	Backup Database...	Log Demo Status...



Who is using powerLOG and why? Government



● Army PEO/PM's

- ❖ Review contractor logistic product data submittals from OEM's
- ❖ Data Cleansing
- ❖ Send data to downstream systems

● Project Offices (Partial List):

- | | | |
|---|-------------------------------|--------------------------------|
| • 100/200Kw Generator Set | • C-27J, Joint Cargo Aircraft | • ITAS |
| • A2C2S | • CCWS | • JLTV |
| • Abrams, M1A2 | • CH-47 Cargo Helicopter | • LEMV |
| • Advanced Cargo Parachute Release System (ACPRS) | • Chem/Bio Mask Program | • LW 50 Cal Machine Gun |
| • AH-64 Apache Longbow, Block III | • C-RAM | • M119 Howitzer |
| • Air Warrior | • CROWS | • M16, M4, M203, M9, M11, M320 |
| • AN/AVR-2B Laser Detecting Set | • ER/MP Sky Warrior | • MEADS |
| • Armed Scout Helicopter | • Excalibur | • MLRS |
| • Armored Knight | • FAAD | • MRAP |
| • Army Watercraft (LSV, JHSV) | • FBCB2 | • MRAP-ATV |
| • Avenger | • GMD | • OH-58 |
| • Bradley A3, A3 with FS, BFIST | • Hellfire | • PackBot FoS, Mini-EOD |
| • C-12, Huron | • HEMTT FOV | • Stryker |
| | • HMMWV | • UH-60 |
| | • Hunter UAS | |

● Air Force, Navy, Marine Corps, DLA, Homeland Security and other US Agencies

Who is using powerLOG and why? Industry



● Original Equip. Manufacturer (OEM) Users

- ❖ Develop an integrated logistics database
- ❖ Provide Integrated Logistics Support (ILS)/LSA/LMI/LPD contract deliverables (BOMs, RPSTLs, Provisioning Data, TM data, etc).
- ❖ Integration into OEM's ERP

● OEM Partial List:

- | | | |
|---------------------------------------|----------------------------------|------------------------------|
| • Acquisition Logistics Engineering | • General Electric | • Pratt & Whitney |
| • Advanced Logistics Technology, Inc. | • General Atomics Aeronautical | • Radian, Inc. |
| • Allison Transmission | • General Dynamics | • Raytheon |
| • Analex Corporation | • General Motors | • Rockwell Collins |
| • ARINC | • Harris Corporation | • SAIC |
| • BAE Systems | • Honeywell | • Siemens |
| • Bechtel | • Ingalls Shipbuilding Inc. | • Sikorsky Aircraft |
| • Bell Helicopter | • L-3 Communications | • Smiths Aerospace |
| • Boeing | • Lockheed Martin | • Teledyne Brown Engineering |
| • CACI, Inc. | • Logistics Management Institute | • West Wind Technologies |
| • Camber Corporation | • Northrop Grumman | |
| • Computer Sciences Corp. | • O'Neil & Associates, Inc. | |
| • Dynamics Research Corporation | • Orbital Science Corp | |
| • Dynetics Inc | • Oshkosh Truck | |



Current Projects



- **Army programs**
 - CON Cert# 201006571
 - Logistics Product Data Store
 - PLCS Dex Demo (Crows)
 - CECOM LMP Re-deployment Data Cleansing
 - G-Army, Initial feeding
 - AMCOM, PBOM Validation
 - TACOM ILSC, TLM
 - MTT, Maintenance Task Tracking, *ATEC: U.S Army Test and Evaluation Command*
- **DLA**
 - FIXR
- **NAVY**
 - NMCI certified, 11 Apr 2008, DADUMS ID 48178
 - Evaluation of PowerLOG, Merlin and others.
- **Marine Corps**
 - NMCI certification process started
- **Air Force**
 - Applied for Air Force Desk top certification.

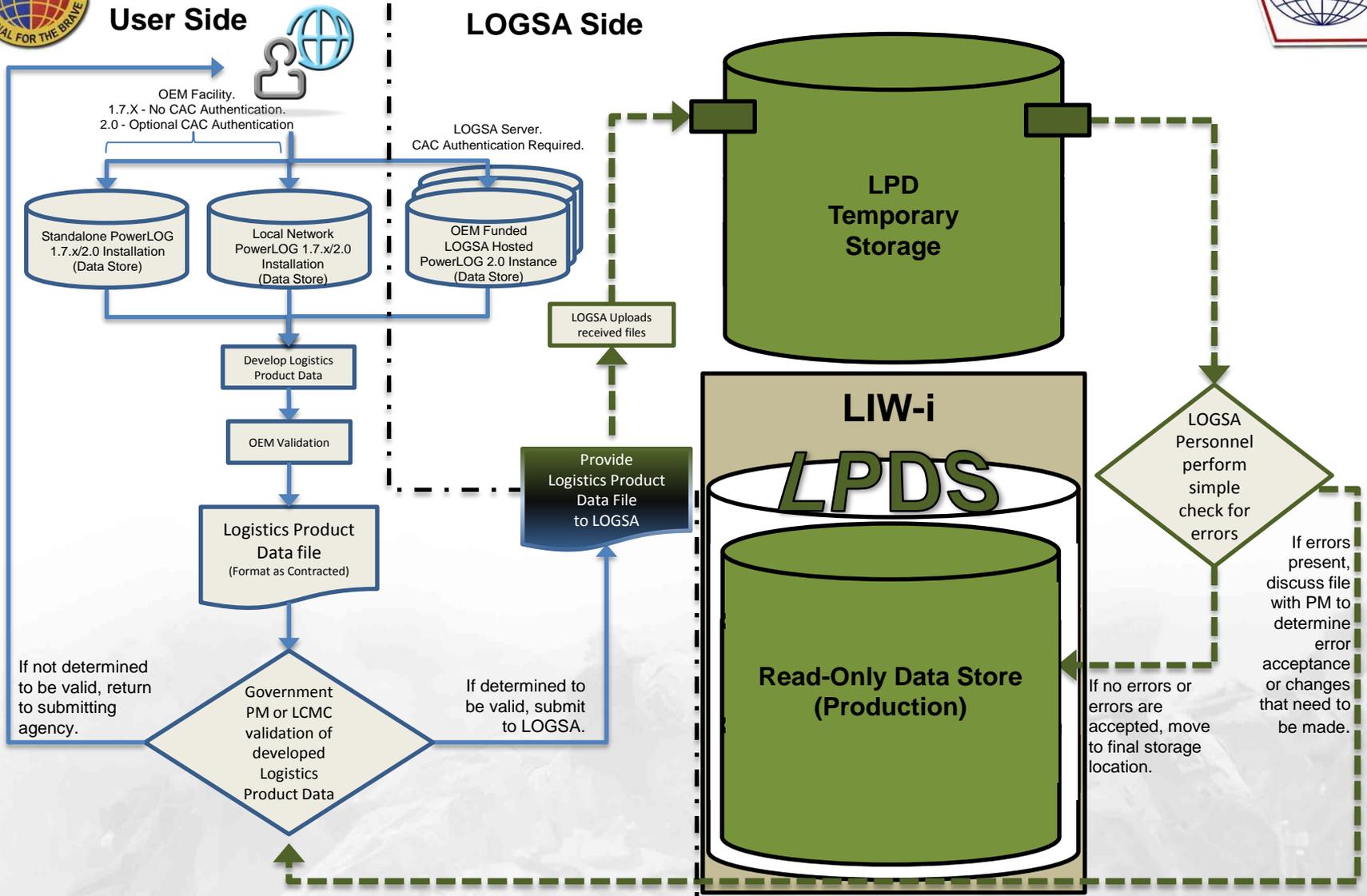


What's New with PowerLog?



- **PowerLOG 1.7.3 - Release 1 September 2011**
 - PLCS GEIA (DEX) Importer (CROWS)
- **PowerLog 2.0 (Web-Based) - Alpha Release 1 October 2011**
 - 23 LSAR Reports Complete
 - GEIA 0007 & 1388-2B Importer Complete
- **Logistics Product Data Store (LPDS)**
 - Authoritative Acquisition Logistics Product Data repository for the enterprise
 - The LIW of Acquisition

PowerLOG, LPD Development, and LPDS





Conclusion



- **PowerLOG-J provides capabilities**
 - Identifies and helps correct data problems
 - Produce Product Reports such as: RPSTLs, LSA-036, Authorization (COEI, BII, AAL, and ESML) Lists, 2-Level Maintenance MAC, PMCS
 - Produce S1000D & 2361 tagged work packages
 - Integrated acquisition logistics data management tool designed to assist Government and Contract organizations in integrating logistics requirements data and producing logistics products to reduce sustainment costs and log footprint. CON Cert# 201006571
 - LPDS, The LIWi for Acquisition Logistics Data



Contact and Download Info

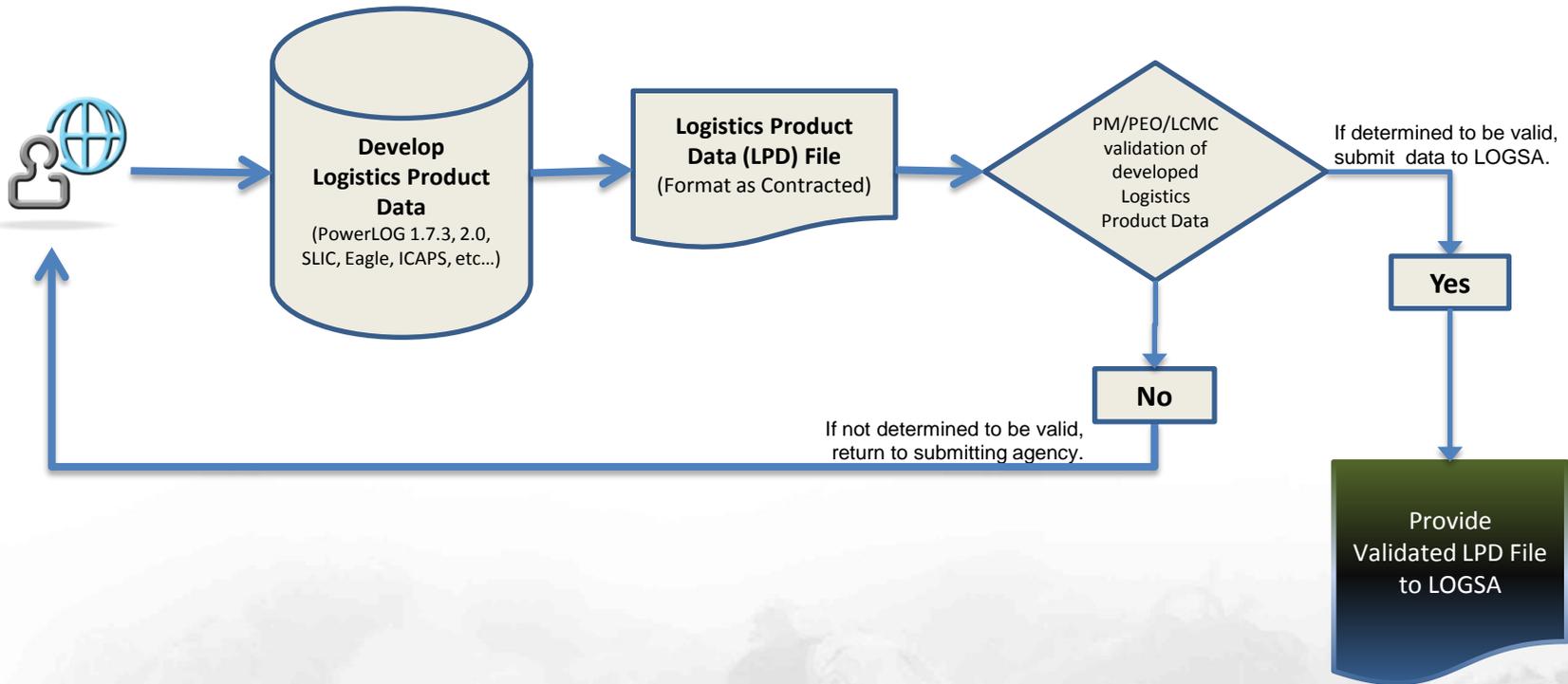


- **LOGSA Logistics Engineering Acquisition Tools**
 - <https://www.logsa.army.mil/lec/>
- **PowerLOG-J downloads are free and available at:**
 - <https://www.logsa.army.mil/lec/powerlog>
- **PowerLOG Help Desk**
 - (256) 955-9847, DSN 645-9847
 - logsa.powerlog.help@conus.army.mil



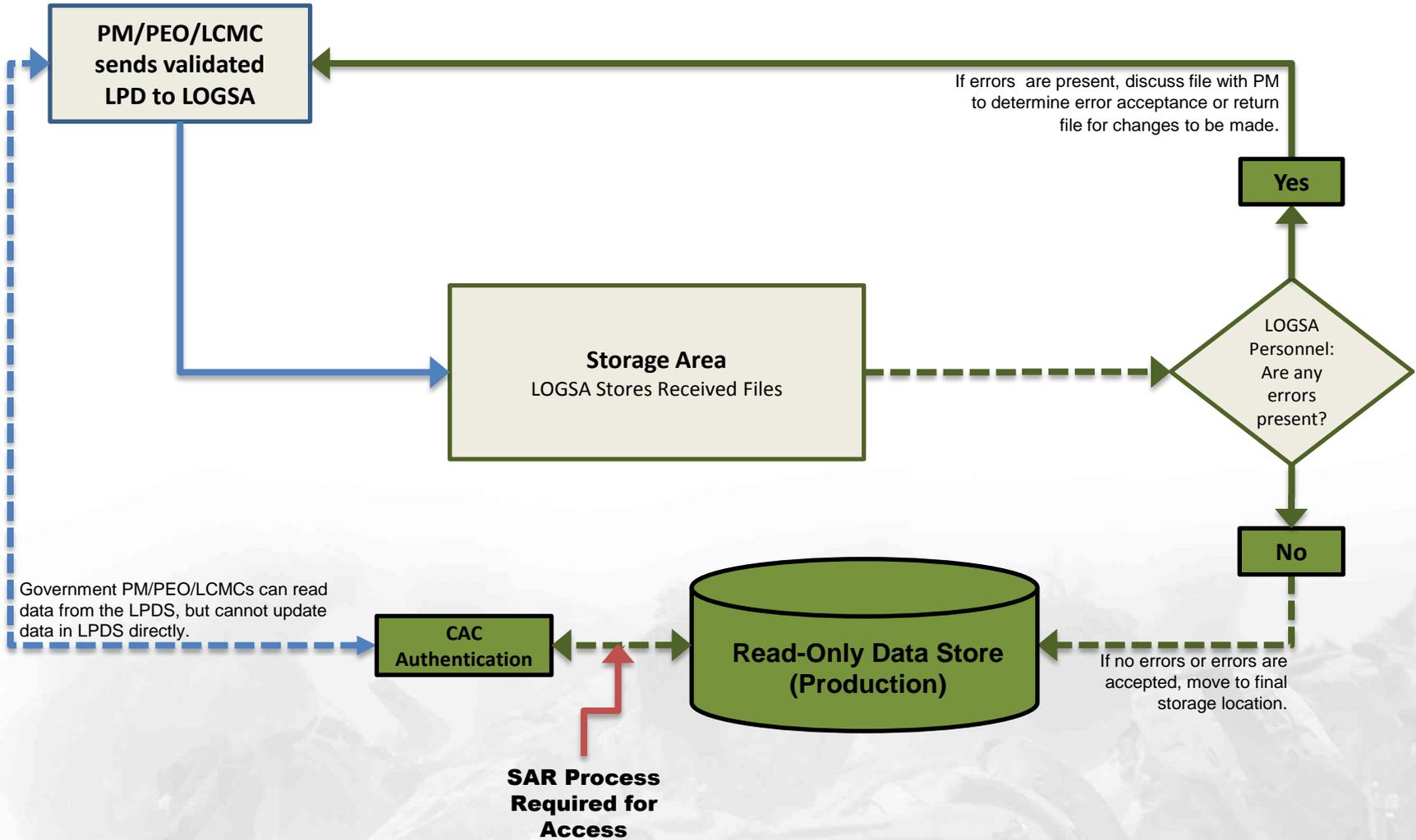
[HTTPS://WWW.LOGSA.ARMY.MIL](https://www.logsa.army.mil)

LPD Development and Submittal to LOGSA



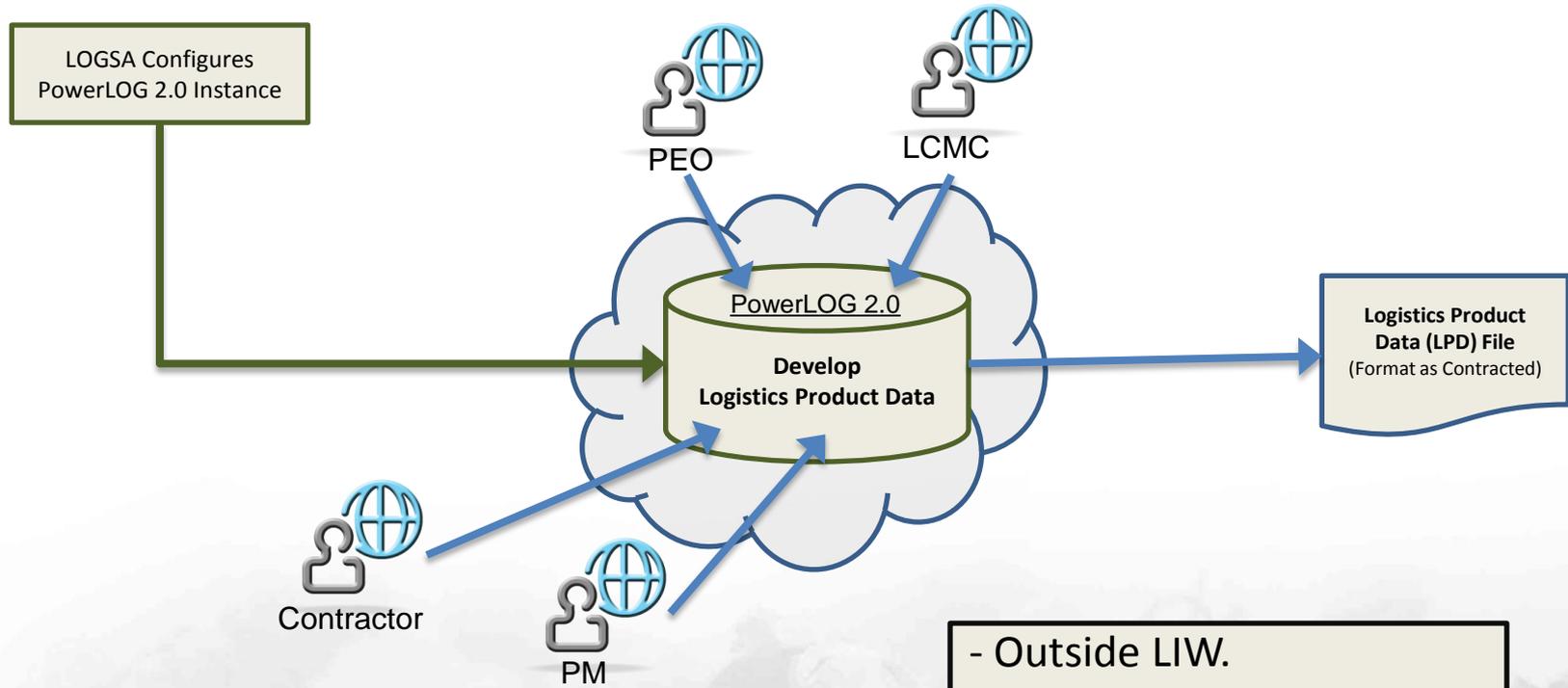


Validated Data Load to LPDS





PowerLOG 2.0 - Cloud



- Outside LIW.
- CAC Authentication?
- SAR Process?
- Administration?