



DEFENSE LOGISTICS AGENCY

AMERICA'S COMBAT LOGISTICS SUPPORT AGENCY



A-10 Pilot Program Overview “DLA Engages Model Based Enterprise”

Defense Manufacturing
Conference

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Distribution Statement A: Approved for public release; distribution is unlimited



Overview

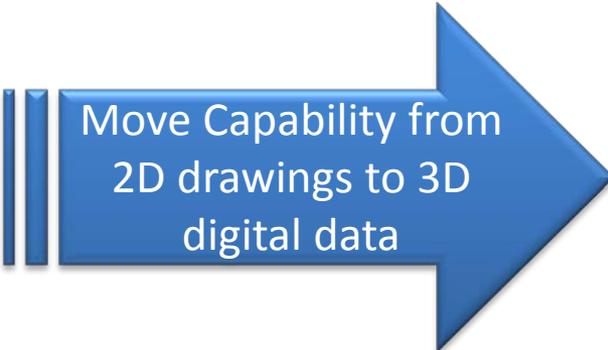
- Needs and Benefits
- Data for National Stock Numbers (NSN)
- Why Quality Data is Important
- A-10 Existing and Emerging Technologies
- Metrics, Results of using Model Data
- Progress to date with A-10
- DLA Moving Closer to use of Model Data
- Questions



Needs....



U.S. AIR FORCE

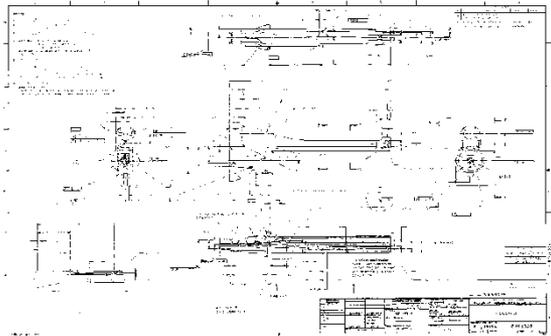


Modernize Data and Data Exchange

'As Is' environment

Current DLA information systems rely on flat files and face data quality problems

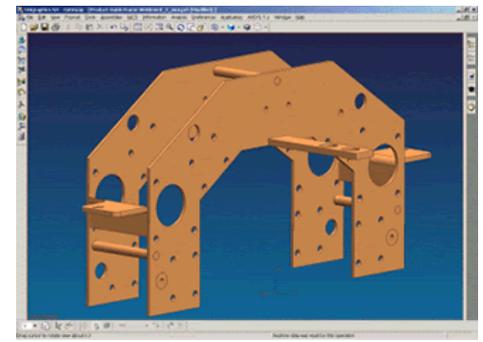
80-Column Coded Data



Degraded 2D drawings

'To Be' environment:

Comprehensive Product Life Cycle System that uses 3D models, digital data, to include logistics product data,... married in the Product Lifecycle Management (PLM) system and exported downstream





...and Benefits

- “R4” -Right Part, Right Place, Right Time, Right Money
- Fewer people will be needed to develop, use, reuse, and archive better quality data
- Digital Thread (data exchange) between PLM, AF Legacy, FLIS, DLA Supply Chain ERP
- “Light, standard, economical, highly effective” Model Data for “Supply Chain User” 3D PDF
- Model Data, early on, enhances “Rapid Fielding” without sacrificing “Sustainment”



Data for National Stock Numbers (NSN)



Data to identify, classify and describe an item is extremely important.

Equally important is the management information or the Logistics Product Data (LPD) codified under each NSN used throughout a product's total lifecycle- ref the "NSN Wheel"



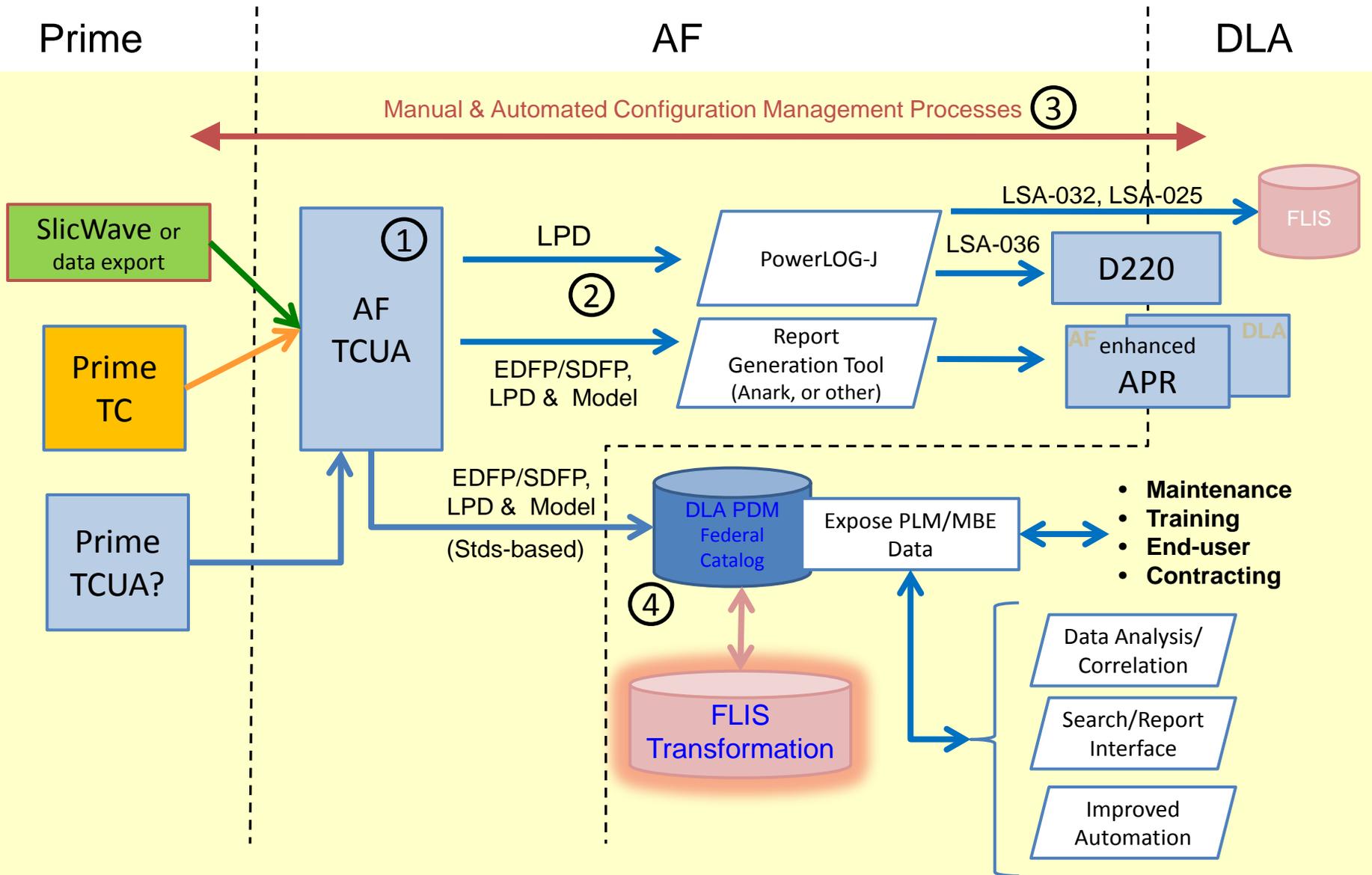
Why Quality Data is Important



YOUR POINTING AT IT WON'T HELP - THE COMPUTER RECORDS SHOWS NONE IN STOCK.



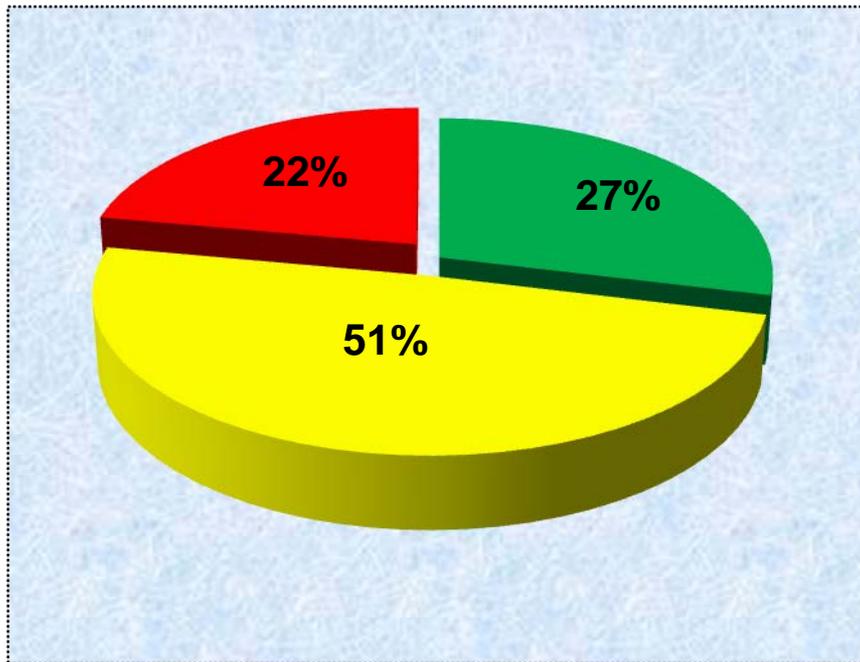
A-10 Existing/Emerging Technologies



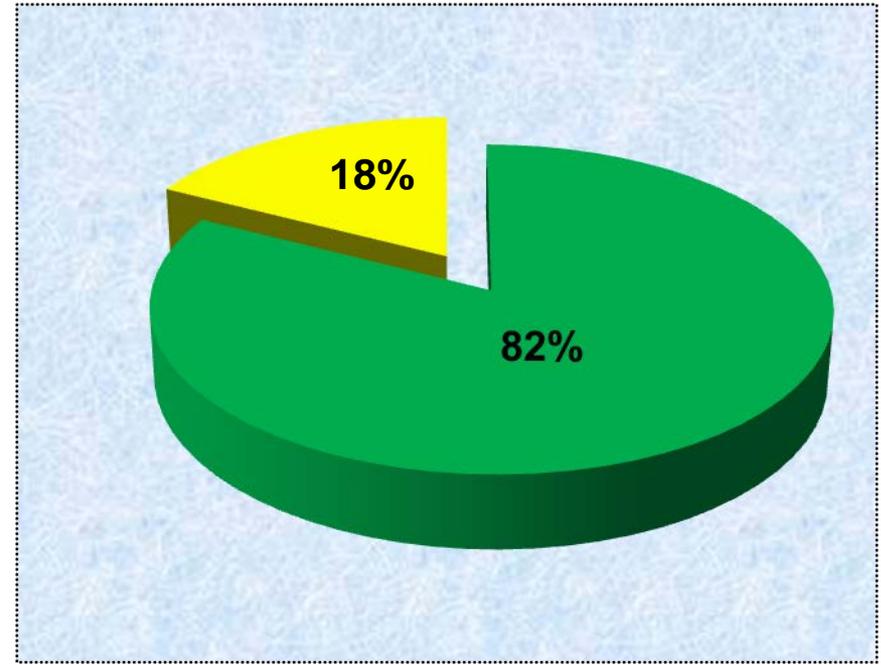


Metrics- Results of using Model Data

Active NSNs in FLIS* Database



A-10 Wing Replacement Initial NSN Assignment



■ Fully Described NSNs ■ Partially Described NSNs ■ Non-described NSNs

*Federal Logistics Information System – 6.6M active NSNs as of Oct 2012



Progress to date with A-10

- A-10 Wing Replacement Program (WRP) Provisioning Parts List (PPL) (36,000+ items)
- PPL is scheduled to be delivered with supporting Technical Data Package (TDP) to Air Force and DLA Provisioning Offices November 30
- Approximately 856 items have been identified as procurable (P coded) items.
- Engineering Data for Provisioning will include approximately 690 3D PDF Models and some vendor provided 2D data.



DLA Moving Closer to use of Model Data

- Model data provided to DLA Logistics Technicians will be a 3D PDF “derivative” aka “Technical Part Report” (TPR)
- TPR will be embedded in Associated Provisioning Data Report (APDR), a 2D PDF file which contains attribute fields for analytical and management associated data not in TPR
- DLA will identify, classify, and codify parts with Model Data...48 Technicians trained in October