



PROCURE-TO-PAY^{Orlando} TRAINING SYMPOSIUM 2018

EDA Tech Refresh

Presented by:
Adarryl Robert, DLA
Terry Ford, DPAP

Why Refresh EDA?

- Electronic Document Access (EDA) is a web-based document repository that combines 1990s internet and web technologies with electronic document management capabilities to minimize paper copies of contract files and provide data for pre-populating DOD financial systems.
- The system architecture consists of the communication, data translation and conversion, computing, and infrastructure components necessary to support the application.
- EDA's architecture and infrastructure are outdated and needs to be refreshed and reengineered including updates to software and hardware components.

Application Rationalization

- Over last 20+ years, capabilities have been added to EDA well outside of planned system's scope.
- Senior level discussions with DFAS have resulted in removing some capabilities from EDA and relocating them to more appropriate existing enterprise solutions.

EDA Capability	Post Refresh Solution
EDM/ EFR Access	Link via PIEE, Account Management via EDM/ EFR
Payment Vouchers Registration and Access	PIEE Single Sign On to Corporate Electronic Document Management System (CEDMS)
Electronic 110s	Data will reside in Operational Data Store (ODS) (Nov 2018) OR DCAS in Future (Feb 2019)
DD577s	PIEE specific 577s will be processed via Joint Appointment Module All others can be migrated to CEDMS
GBLs and Transportation Requests	Short Term: These documents will remain in EDA 6.0 Longer Term: Document Automated Content Services (DACS)
Legacy EDA Contract Deficiency Reports (CDRs)	Work to Completion or re-open in PIEE CDR Tool

EDA Tech Refresh Approach



- The reengineering of EDA will include a major shift from PDF/document lookup and management to a data focused reporting capability
- The new architecture will incorporate modern data driven technologies
 - PBIS = Oracle relational database
 - Data Lake = Hadoop big data open source tools

PIEE Reporting and Document Retrieval

Account Management and Access

Applications/ Capabilities

Requirements	Award	Post-Award Admin	Payment	Property Mgt	Purchase Card	Security
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Operations Support

Reporting and Document Retrieval

Reporting and Document Retrieval Components of PIEE

Electronic DATA Access (EDA)

Rationalized EDA Capabilities:

- Contract Document Search and Retrieval
- PDS Rendering and Conformance

Data Lake Capabilities:

- Enterprise Award File
- Existing Data Lake Reports
- Future Tactical Reports

Procurement Business Intelligence Service (PBIS)

FPDS MRS:

- Central DoD Report Generation for FPDS Data

Verification and Validation:

- Supports Formal V&V sessions

Active Contract Repository:

- Supports Pre-population of Contract Data Across PIEE

Management Reporting System (MRS)

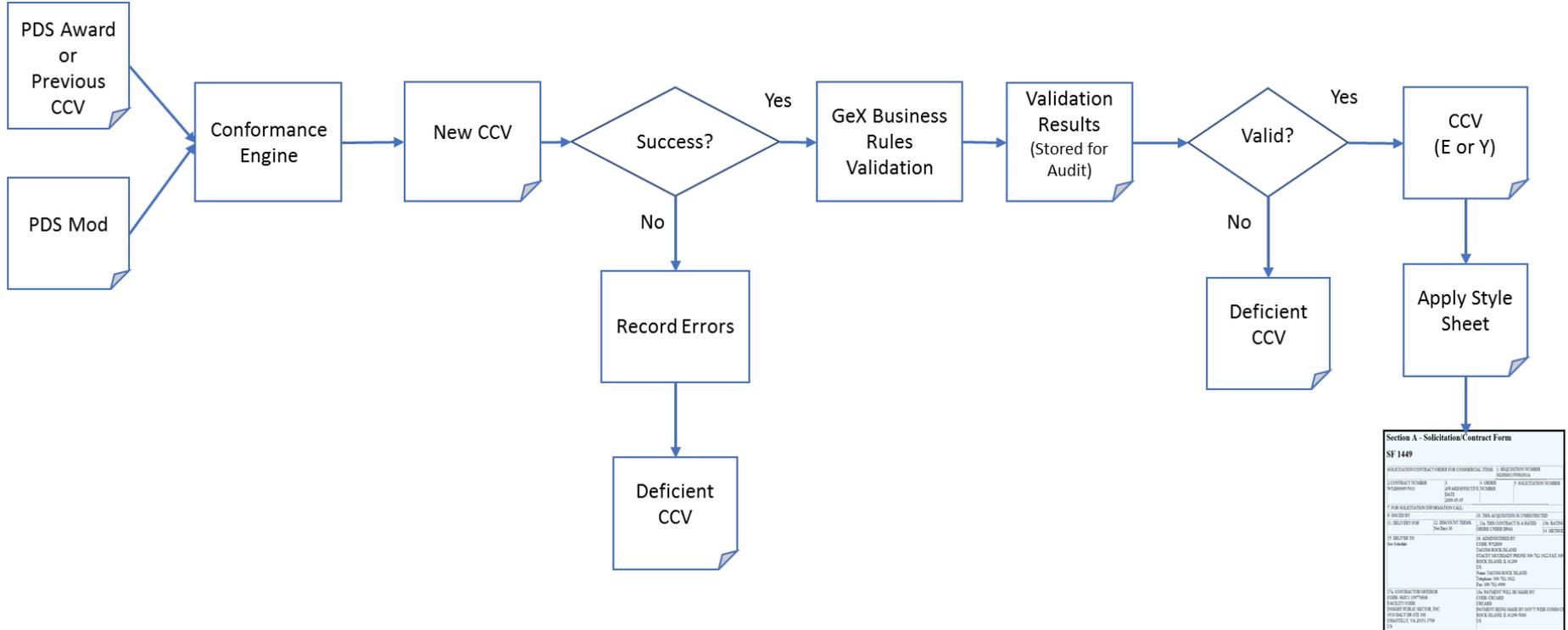
Existing WAWF Reporting Tool:

- Account Management
- iRAPT
- EDA
- CORT
- CDR
- Contract Closeout
- Others

Future State:

- Targeted to Migrate Reporting Capabilities to EDA
- Reduce Number of Reports While Expanding Ability to Support Multiple Organizations with Single Report

PDS Conformance in EDA

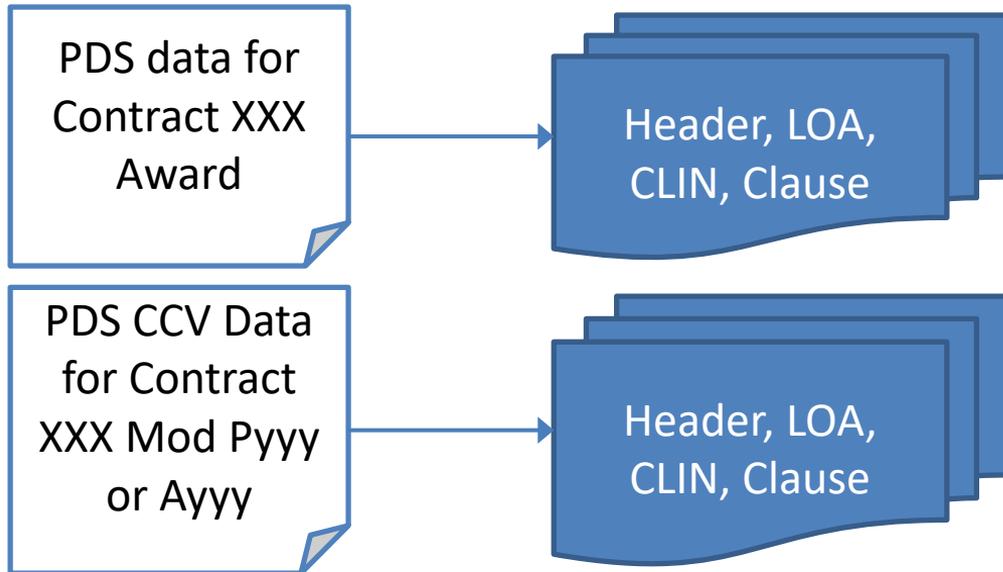


Section A - Solicitation/Contract Form			
SF 1449			
1. BUYER'S CONTRACT NUMBER FOR COMMERCIAL ITEM		2. REQUEST NUMBER	
CONTRACT NUMBER		SUBNO/PRIORI	
3. CONTRACT NUMBER	4. AWARD EFFECTIVE DATE	5. REQUEST NUMBER	6. REQUEST NUMBER
7. FOR SOLICITATION INFORMATION ONLY	8. DATE	9. DATE	10. DATE
11. ORDER BY	12. THIS ACQUISITION IS COMPLETED BY	13. THIS CONTRACT IS A REPEAT	14. ORDER NUMBER
15. BUYER'S NAME	16. ORDER NUMBER	17. ORDER NUMBER	18. ORDER NUMBER
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23. CONTRACT ORDER NUMBER	24. BUYER'S NAME	25. BUYER'S NAME	26. BUYER'S NAME
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99. CONTRACT ORDER NUMBER	100. BUYER'S NAME	101. BUYER'S NAME	102. BUYER'S NAME

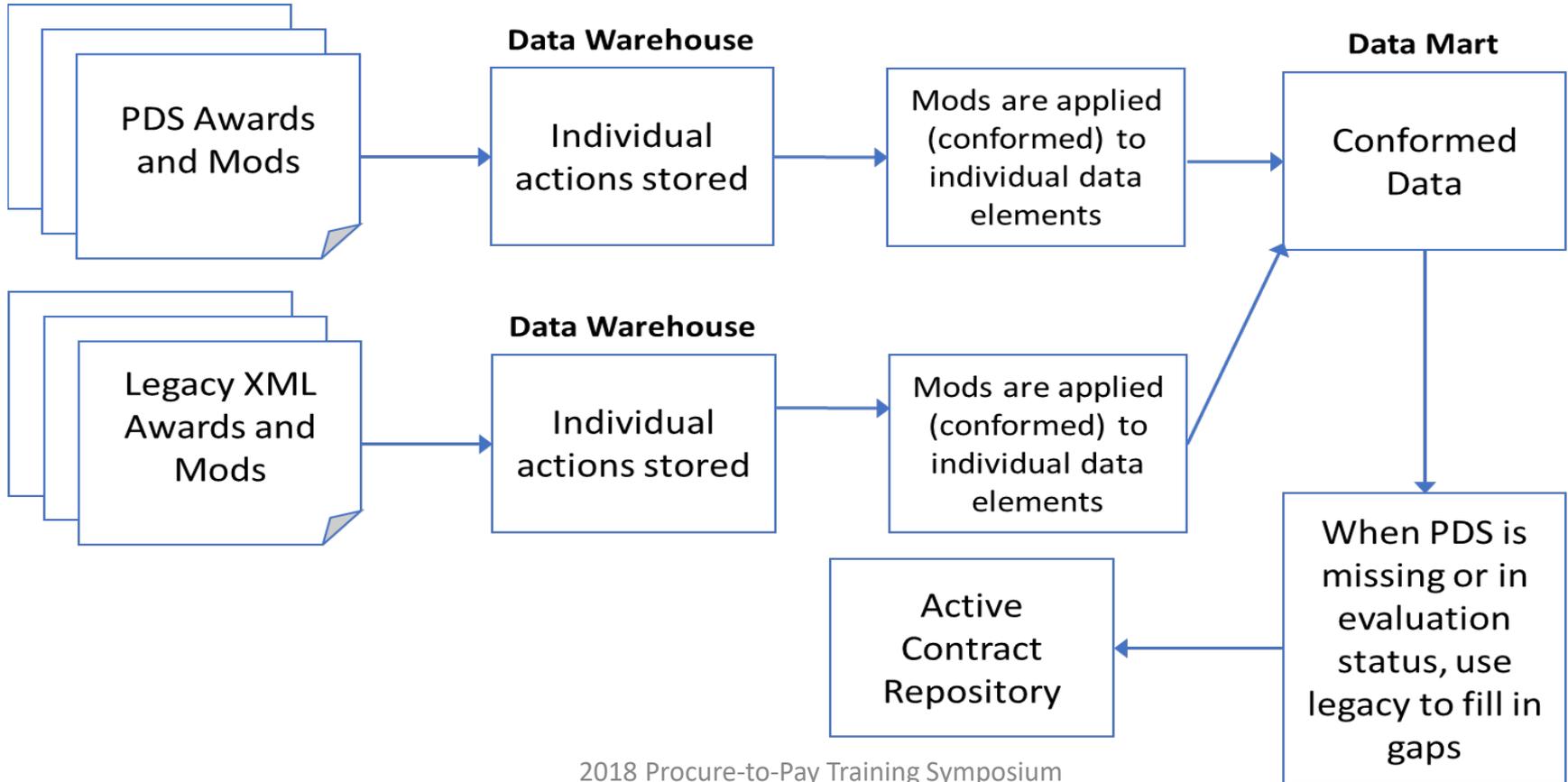
Rendered PDS Data

PDS Data Extraction and Storage

- Specific data elements of interest for the award and each modification are extracted and ingested by EDA to support query capabilities (when PDS is not in Evaluation status).



PDS Conformance in PBIS



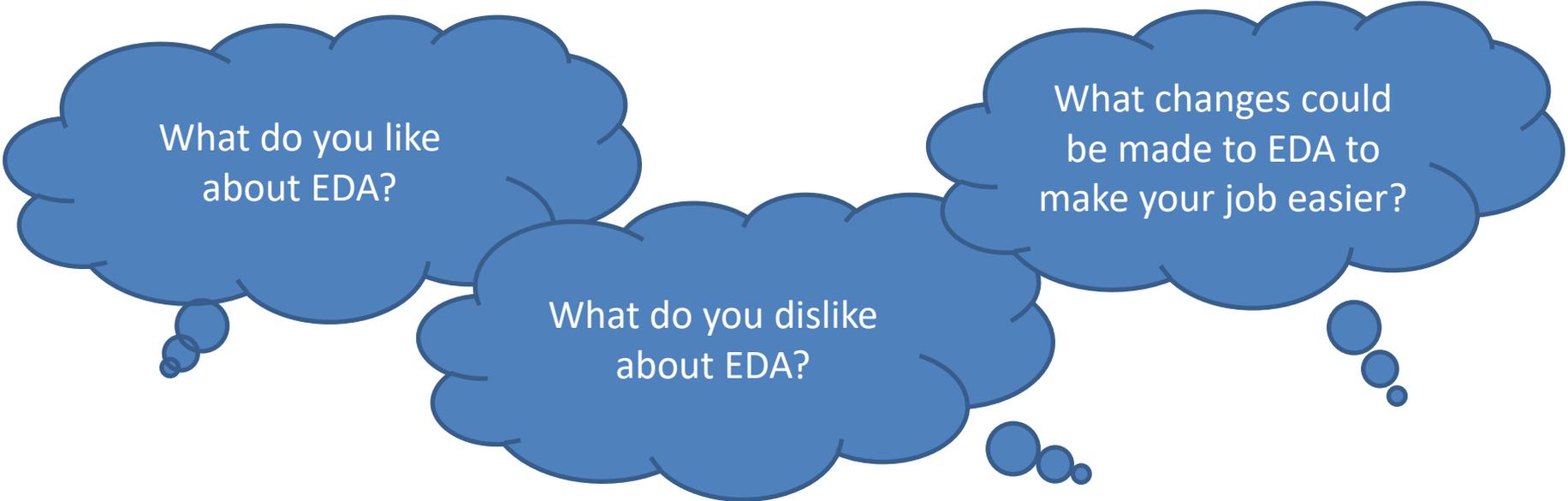
PDS Conformance in PBIS

- PDS award and modification data are stored in the PBIS Data Warehouse as individual actions
- PDS modifications are ordered and applied to awards
- Any issues are recorded in the conformance log and the resulting PDS data elements are stored at the individual data element level within the Data Mart tables
- Some values from the original award (Document Form, initial Signature and Effective Date) are retained in Data Mart
- Conformed data used to populate Active Contract Repository when PDS is not in evaluation status with Synopsis XML filling in the gaps.

Differences Between EDA and PBIS Conformance

EDA	PBIS
Favors completeness over availability. This is driven by the requirement to display a PDS data based complete representation of the contract to users.	Favors availability over completeness
Creates and stores a new version of the contract for each modification received	Creates and stores contract data based on the latest modification
PDS Version Dependent (e.g. PDS 2.4 mods applied to a 2.3 base result in 2.3 CCV)	PDS Version Independent
Validates conformed data at the GEX	Does not validate conformed data at the GEX
One mistake in conformance can fail the entire CCV, preventing data from that CCV from being used	Conforms as much data as possible and records differences in conformance log
Creates a human readable version of the PDS contract data	Does not produce a human readable version of the PDS contract data
Data for each conformed modification is available for query	The most recent version of conformed contract data is available for query
Only a defined subset of data from each conformed modification is extracted and available for query	All PDS successfully conformed data elements in that version are available for query

Discussion



What do you like
about EDA?

What do you dislike
about EDA?

What changes could
be made to EDA to
make your job easier?

Think of an idea after the Symposium?

We would love to hear from you.

Please send your feedback to:

Ajay Endlaw (Ajay.Endlaw@dla.mil) and Jenna Tomalka (Jennifer.Tomalka@dla.mil)



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