



## FDIP & EDA Capability/IUID Registry

D. B. Propert

Defense Procurement and Acquisition Policy

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# Overall Strategy

Improve the DoD's Procure to Pay capability by:

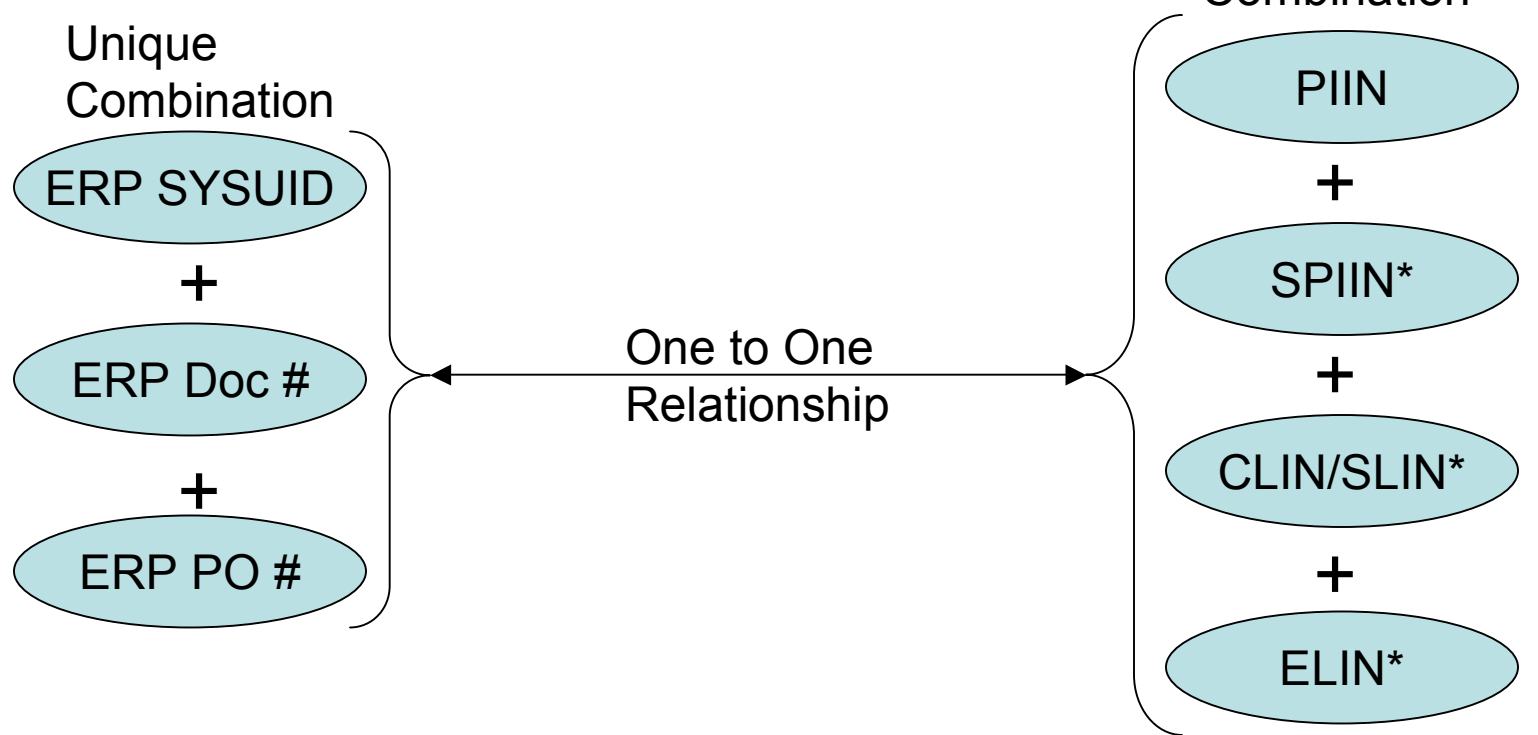
- Ensure reliable and accurate delivery of acceptable goods and services by aligning and integrating policies, processes, data, technology and people
  - Adopt standard business processes, rules, data and interoperable systems across DoD
- Provide immediate access to accurate and reliable financial information in support of financial accountability and efficient and effective decision-making throughout the DoD
  - Produce comparable financial information across organizations



## Objective

- Define options for financial data in procurement in order to:
  - Eliminate unmatched disbursements in the target environment
  - Enable traceability of requirements from Purchase Requisition (PR) to Purchase Order (PO) through to Invoice payment
  - Minimize amount of financial information processed on contracts and vendor documents
  - Include strategy for target and legacy system operations
  - Reduce manual entry and duplicate entry of data

## Index Needed



\* SPIIN, SLIN, and ELIN not applicable to all contracts

# Accounts Payable Standard Transaction

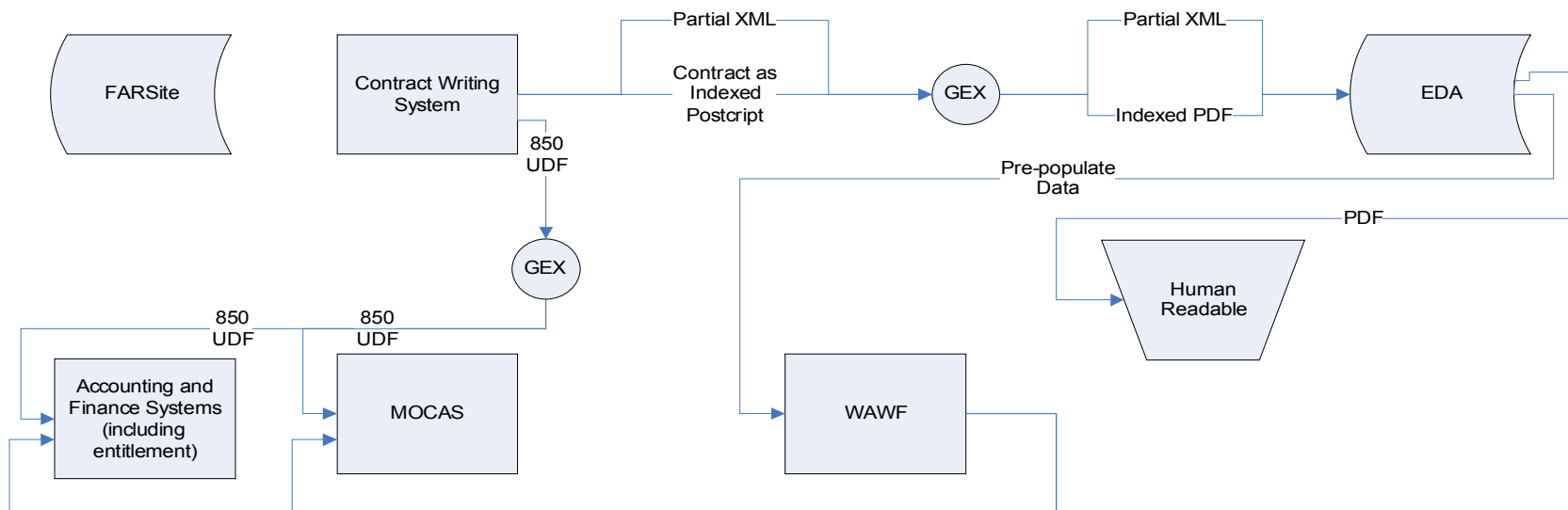
- The Agency Accounting Identifier (SFIS element O3, or its aliases) identifies the organization responsible for providing field level accounting support within DoD
  - “Aliases” are those that identify a legacy accounting element used in today’s environment, but will be replaced in the target environment by an SFIS element
- This code may be the identification of Field Sites or a unique accounting installation that supports the budget execution of a specific base, post, camp or station
- WAWF has the ability to route accounts payable information, by O3, to legacy and target accounting systems to enable proper and timely AP posting
  - Accommodates Transactions By Other and For Others

# Benefits of Standard Transaction for Accounts Payable

- Enables financial traceability even in the legacy environment
  - Providing pre-population of primary keys
  - Search capability based on either community's primary keys
- Interim step to target Financial Data in Procurement (FDIP) with no manual keying
- Allows accruals to occur at the correct point in the process
- Facilitates BEA compliance by enabling accounting to post the payable at acceptance utilizing WAWF standard transactions

## As Is

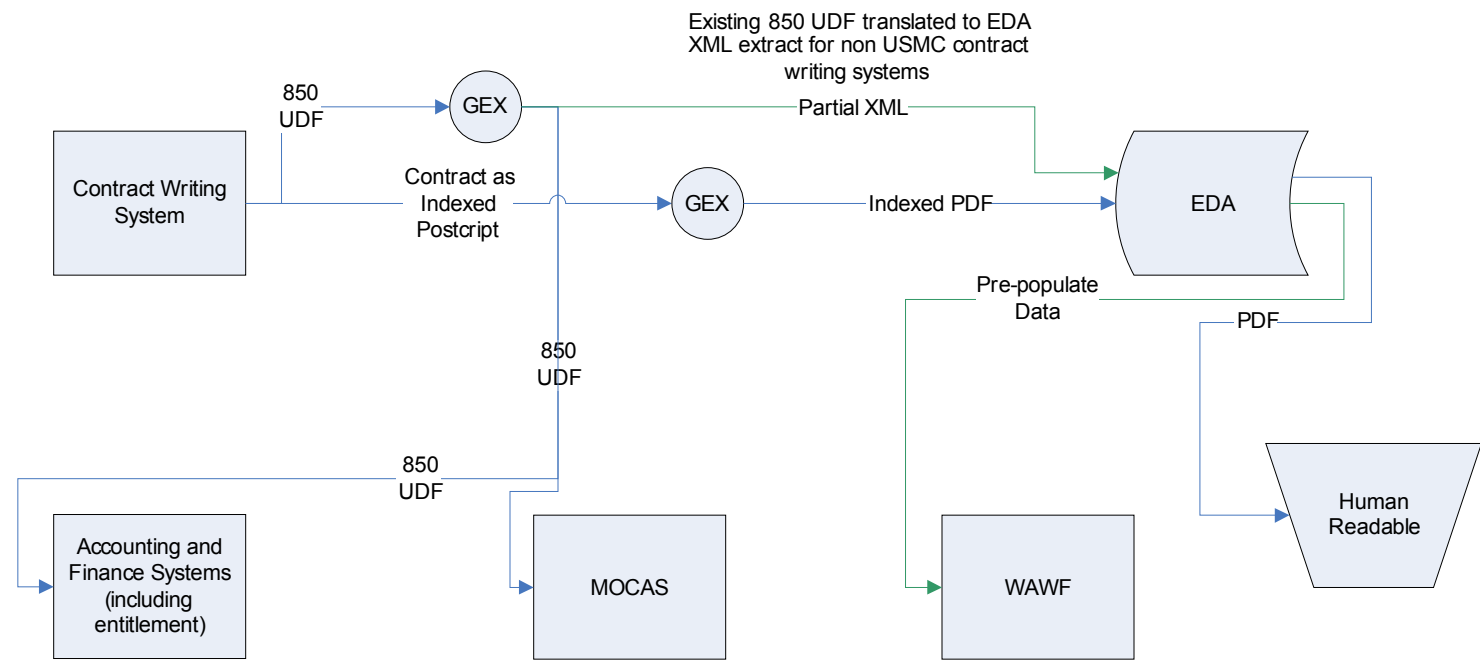
XML Extract to EDA is USMC SPS only



- EDA XML captures limited data needed to prepopulate transactions in WAWF
- Updates to EDA XML table require contract writing system to resend all data elements as of contract mod
- Only USMC SPS operational with EDA XML
- Most non-SPS contract writing systems currently generate 850 and 860 transactions
- 850 transaction contains all data needed to create initial EDA XML
- PDF version of contract is the only complete copy – not machine readable

# Interim Step

Green lines are new or modified parts



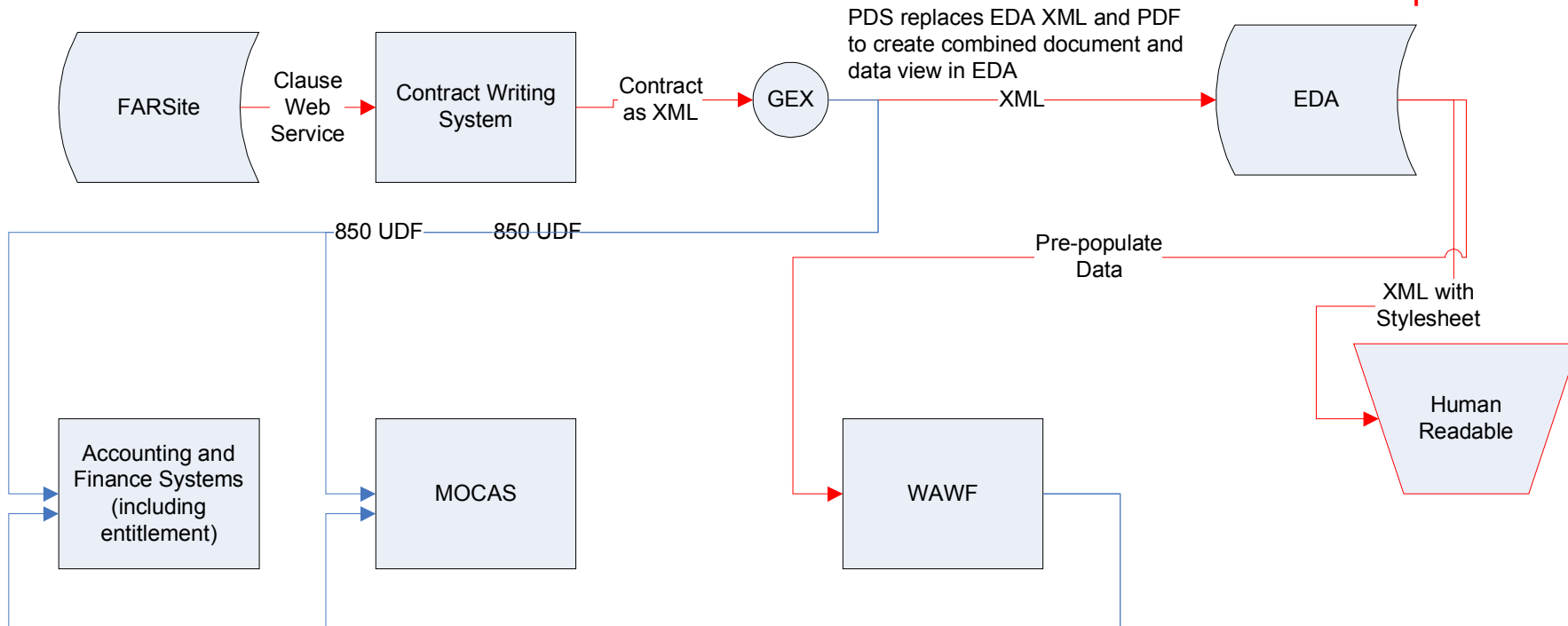
- Enables prepopulation of data in WAWF for any contract writing system currently sending EDI, without modification to the contract writing system.
- Limitations of EDI transaction sets still require PDF copy in order to transmit the complete contract



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## To Be

Red lines are new or modified parts

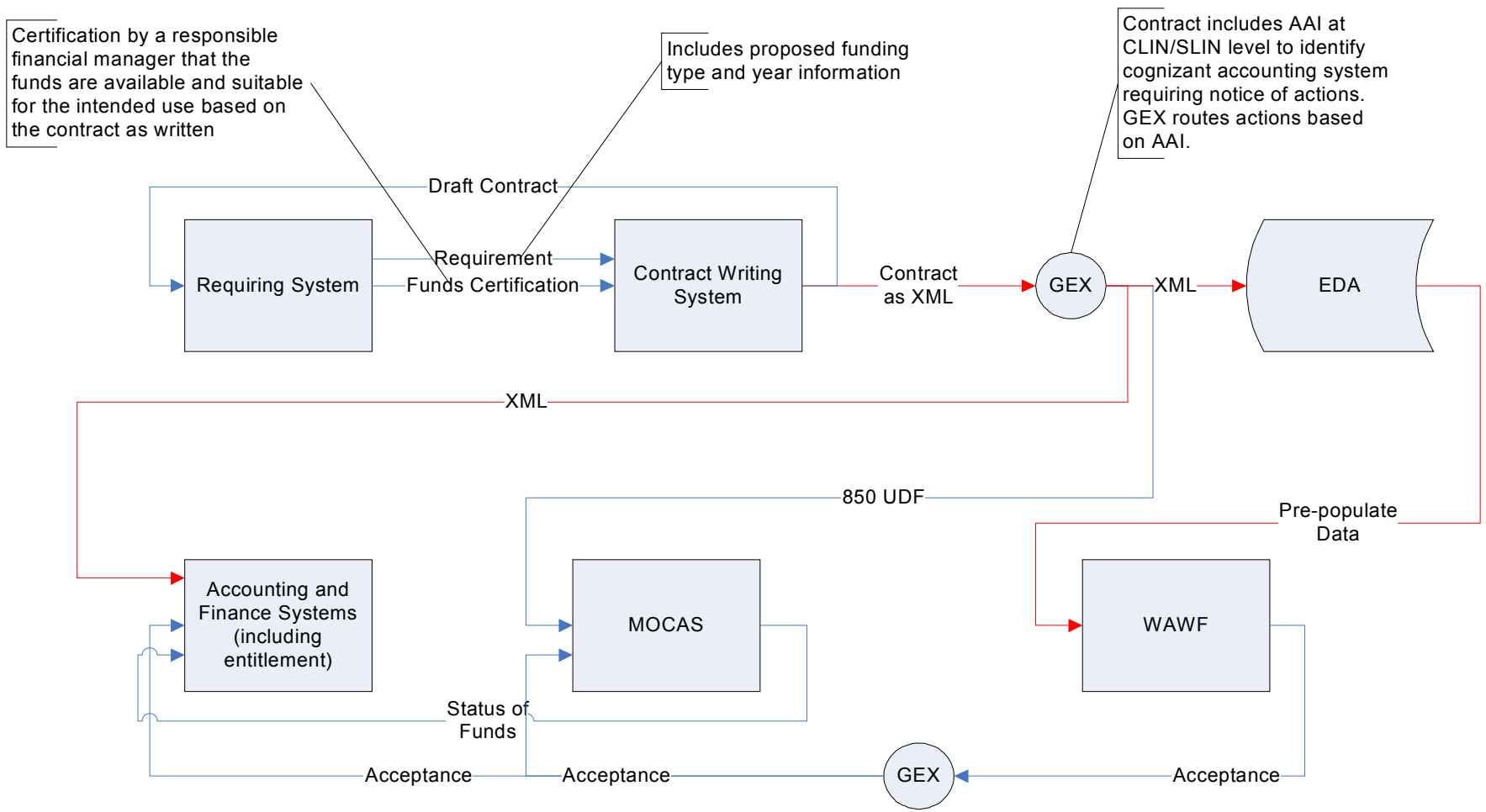


Combines document and data in a single extract from the contract writing system that will support all users, both human and system

Contract Writing System outputs a file with PDS building on "new file format" to be hosted in EDA, enhancing prepopulation capability for WAWF



# To Be – Financial Traceability View



Passes minimum demand and financial data to Contract Writing System



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## Tactical Implementation



# Overview of Solutions

*Intent is to segregate AAI and key data elements for end-to-end financial traceability*

Solution	LOA	Scenario
1	Service Preferred	SPS Contract Writing System ⇔ Legacy Accounting System
2,3	Service Preferred + SDN	SPS Contract Writing System ⇔ Additional Legacy Accounting System SPS Contract Writing System ⇔ Non-SFIS compliant ERP System
4	SFIS LOA	SPS Contract Writing System ⇔ SFIS compliant ERP System
5,6	AAI, SDN, ACRN	Other Contract Writing System ⇔ Legacy Accounting System Other Contract Writing System ⇔ ERP System
7	No LOA	Contract Writing System ⇔ SFIS compliant ERP System

***No LOA in Target Environment!!!***

# SPS to Legacy Accounting

- **Contract Writing System:** SPS
- **Accounting System:** Legacy
- **Description:** Details the current environment where USMC and Navy use “service preferred” LOA in SPS; Contracting officer enters as miscellaneous text field in SPS which GEX breaks into 3 pieces to segregate Agency Accounting Identifier Alias and passes to EDA for WAWF pre-population
- **LOA method:** Service Preferred
- **Status:** Currently in production but requires the SPS Adapter
- **Changes:** None

# SPS to Additional Legacy Accounting or Non-SFIS Compliant ERP

- **Contract Writing System:** SPS
- **Accounting System:** Additional Legacy or Non-SFIS compliant ERP
- **Description:** Interim solution for SPS to legacy system or non-SFIS compliant ERP; GEX will break LOA into minimum data elements necessary to facilitate financial traceability in the legacy environment
- **LOA method:** Service Preferred + SDN
- **Status:** Development underway
- **Changes:** Update LOA A map from SPS to EDA to enable segregation of Agency Accounting Identifier, or it's alias, to facilitate pre-population into WAWF for A/P posting; Add additional data elements to current environment to include SDN

# SPS to SFIS Compliant ERP

- **Contract Writing System:** SPS
- **Accounting System:** SFIS compliant ERP
- **Description:** Provide a standardized configuration for SPS and SFIS compliant ERPs
- **LOA method:** SFIS LOA
- **Status:** Development underway
- **Changes:** GEX map to concatenate SFIS within SPS but allow all other systems to use separate data elements – Logic will be created at GEX to facilitate deployment by site

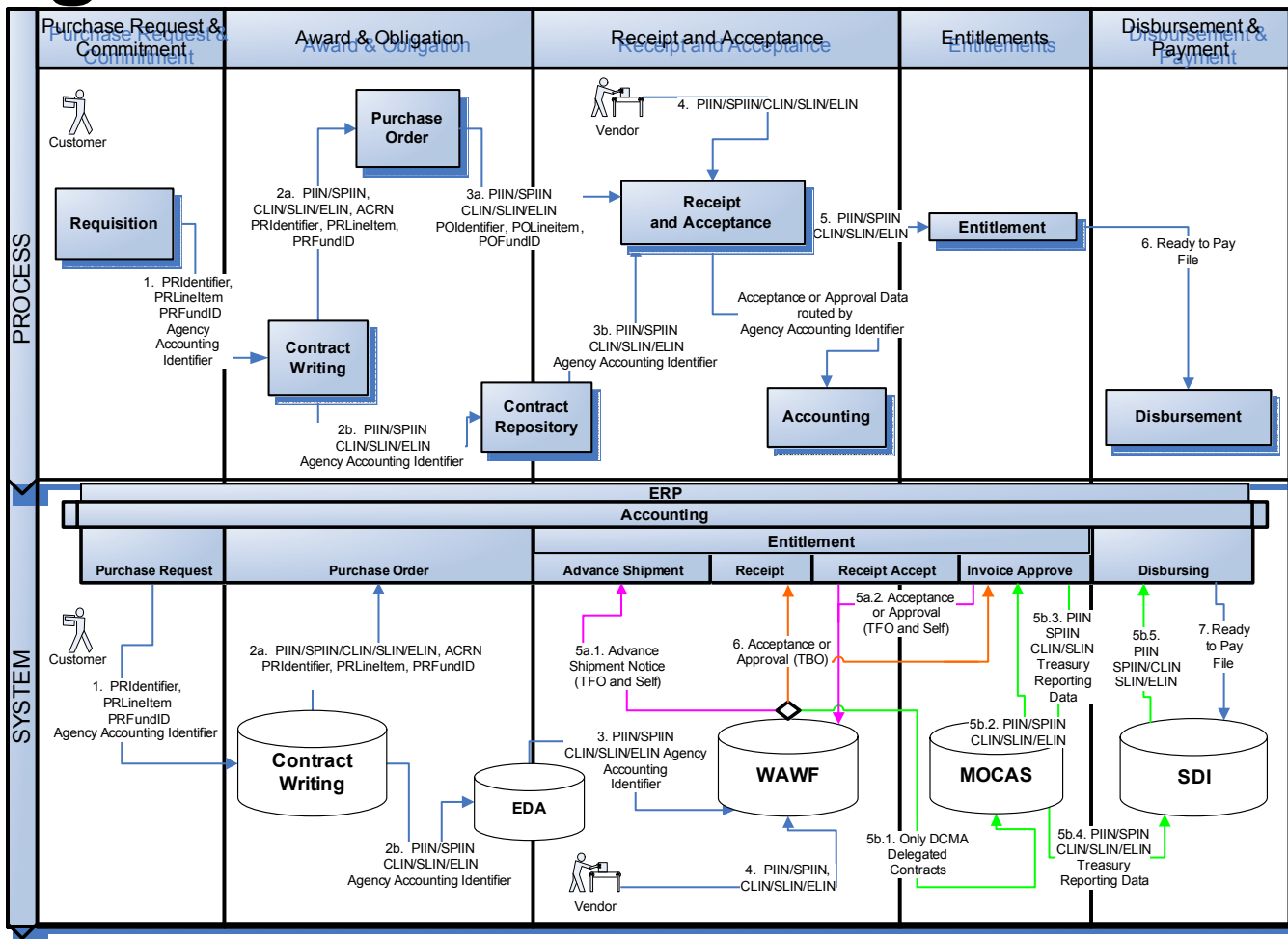
# Other Contract Writing Systems to Legacy or Non-SFIS Compliant ERPs

- **Contract Writing System:** Other Contract Writing
- **Accounting System:** Legacy or Non-SFIS Compliant ERPs
- **Description:** Interim solution for Other Contract Writing Systems that currently send LOA to legacy accounting systems or Non-SFIS Compliant ERPs to facilitate financial traceability in the legacy environment
- **LOA method:** AAI+SDN+ACRN
- **Status:** Development and mapping underway
- **Changes:** Copy MOCAS EDI 850 (contract) and create map at GEX to route separate data elements to EDA; enables segregation and capture of Agency Accounting Identifier, or it's alias, to facilitate pre-pop to WAWF for Accounts Payable posting

## Target: Contract Writing to SFIS Compliant ERP

- **Contract Writing System:** Target Contract Writing Capabilities
- **Accounting System:** ERP
- **Description:** Contract writing capability and accounting capability operate based on exchange of minimal data and business rules to allow financial traceability
- **LOA method:** None
- **Status:** BEA Compliance will be monitored through IRB Certification
- **Changes:** Target contract writing capability utilizing the Procurement Data Standards; ERP makes association between procurement and financial data to facilitate financial traceability

## Target Environment Future State



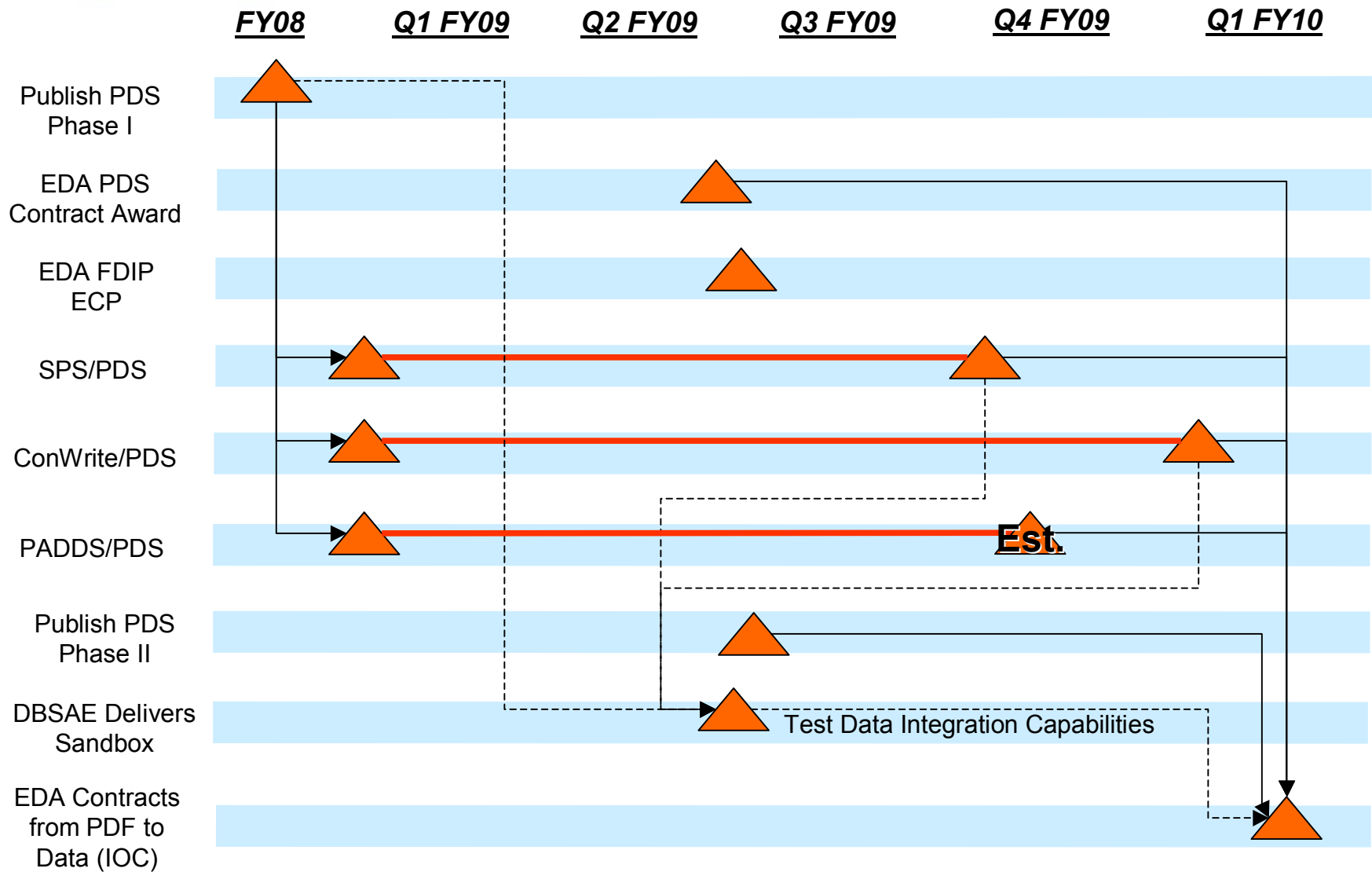
Agency Accounting Identifier will serve as System UID for accounting system

# Actions Required to Implement

- Policy
  - Joint AT&L and USD(C) memorandum setting forth compliance requirements signed 18 March 2009
    - Declare “to be” environment (Target 1 October 2011)
    - Define interim environment
    - Requirement to record contract number and line item number in financial systems
    - Add PIIN, SPIIN, CLIN, SLIN, and ELIN to SFIS
- System Changes
  - Interim
    - GEX – maps for 850/860 to EDA
    - EDA – ability to receive and maintain contract data from 850/860
  - To Be
    - Phase II Procurement Data Standard (contract mods)
    - Develop contract writing system Procurement Data Standard extracts
    - GEX – PDS to 850/860 maps to support legacy
    - EDA – Receive, maintain, and display contracts received in PDS



# FDIP & PDS Game Plan





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# Upcoming IUID Registry Releases

# New IUID Registry Capabilities

v4.0 released March 31, 2009

## Capabilities Include:

- **Add SYSUID** to the XML contact section
- **Contract Query** to include “All Items” option in addition to End Items
- **Update Mark Query**
  - Will include validation for and error message listing valid S/A/C values.
- **Update Part Number Rollover**
  - Capability to include Batch/Lot in a way that future Rollover expansion is more easily accomplished. Part of the new Rollover functionality is the ability to change a Description and also to register a new Warranty event that ties to the Rollover .
- **Expand Warranty**
  - Will include Award Instrument and Warranty Event with the currently captured Warranty Flag and Date.
- **New Validations**
  - Web and IUIDFeed interfaces will uppercase any lowercase Type Designation Marks and Vessel Class Marks.
- **Add Contract Number Type field**
  - i.e. DOD CONTRACT (FAR), DOD CONTRACT (NON-FAR), PURCHASE CARD, INTERGOVERNMENTAL FEDERAL, etc. (Current total of 15 options)



## New APIs

in v4.0 Release, March 31, 2009

- **Warranty (Public API)**
  - Pass in 1 or more UIIs and receive back warranty indicators with their associated dates, instruments and events for each UII passed in.
- **General Purpose (Secured API)**
  - Will need to pass in a user name and password to be able to access.
  - Customizable query tool – Pass in 1 or more UIIs and select which pieces of data to return.
  - Components that can be selected to be returned include: Contract, Pedigree, Mark, Part Number, Custody, Embedded, Life Cycle, UID and Entry info.

# Upcoming IUID Registry Capabilities

for Release with v4.1 September 29, 2009

## Capabilities to include:

- **File Response Returned to Submitter**
  - Provide error reporting back to file submitter
- **Data validation DODAAC/MAPAC**
- **Active Part/Serial/Batch/Lot Query**
- **DODAAC/MAPAC validation for Contact section of XML**
- **Legacy Submitter related to Organization**
  - Allows revisions to access rules to allow persons within a government organization to make corrections
- **EID/IAC Validation**
- **Original/Current Part Number Validation**
  - If Current Part Number is provided there should also be an Original Part Number.



## Future UID Registry Capabilities

for Release with v4.1 September 29, 2009

(continued)

- **Additional IAC**
  - Add the code "RH" to the list of acceptable IACs.
- **General Purpose API Industry**
  - System to system version of web interface with same access controls
- **Oracle to Oracle**
  - Oracle replication for selected government systems
- **Contract Number Validation based on Contract Number Type**