

# Item **UNIQUE IDENTIFICATION (IUID)**



DoD Maintenance Symposium  
October 2008

# The Need for Improvement – FY02

Finance  
Language

Serial Item  
Management

Serial Number  
Tracking

Acquisition  
Language

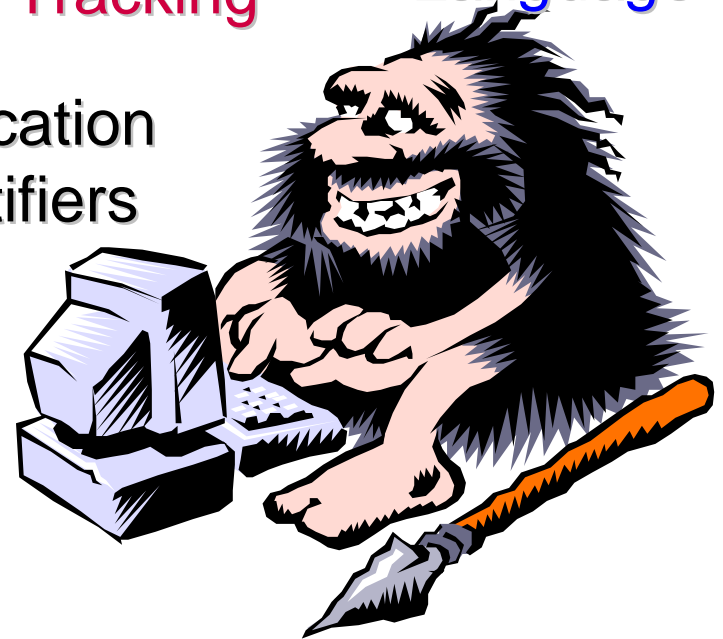


Data  
Identifiers

Application  
Identifiers



Text Element  
Identifiers

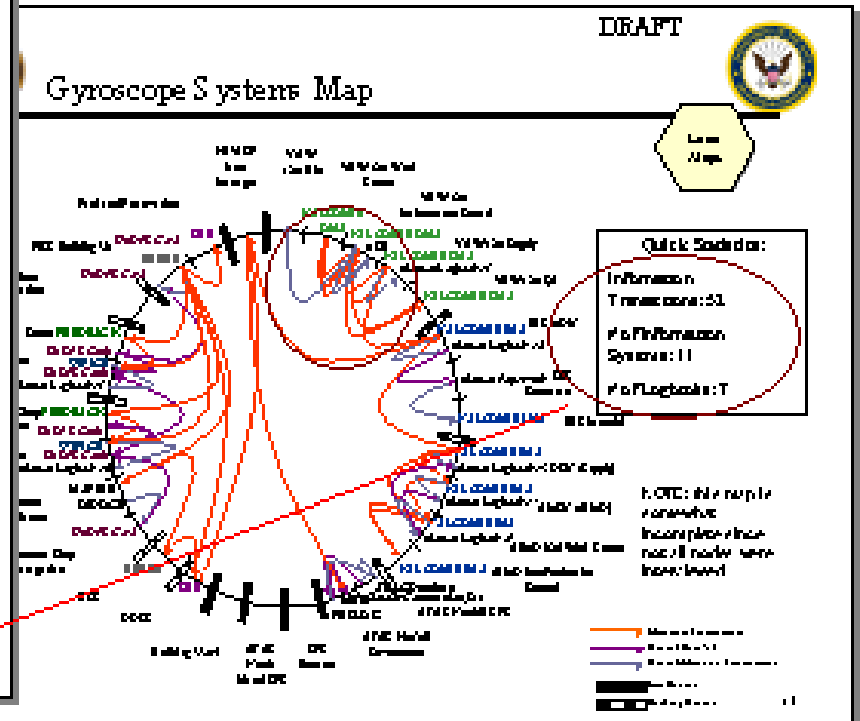
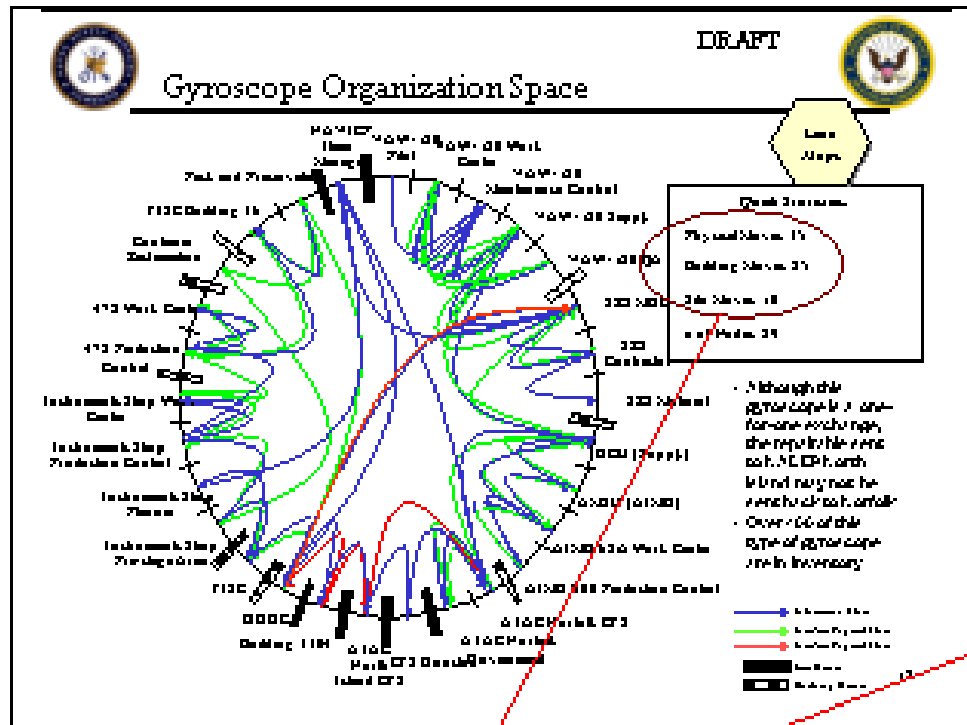


Unique Item Tracking

Maintenance Bill of  
Material/As Built List

Logistics Language

# Property Transfer Environment



- 35 Physical Moves
- 25 Building Moves
- 10 Sites Moves
- 52 IT Transactions
- 11 Info Systems
- 7 Logbooks

- *No End-to-End Management*
- *Lack of Visibility*
- *Long-Cycle Times*
- *Increased Inventory Levels*
- *Limited Ability to Forecast*



## Categories of Individual Items – Current State

Individual Items that are –

- Marked and Tracked
- Marked and Not Tracked
- Tracked and not Marked
- **Not tracked or marked but should be**
- Should not be marked or tracked because
  - Life cycle data at the item level is not a management goal
  - Asset visibility is required at the class not item level

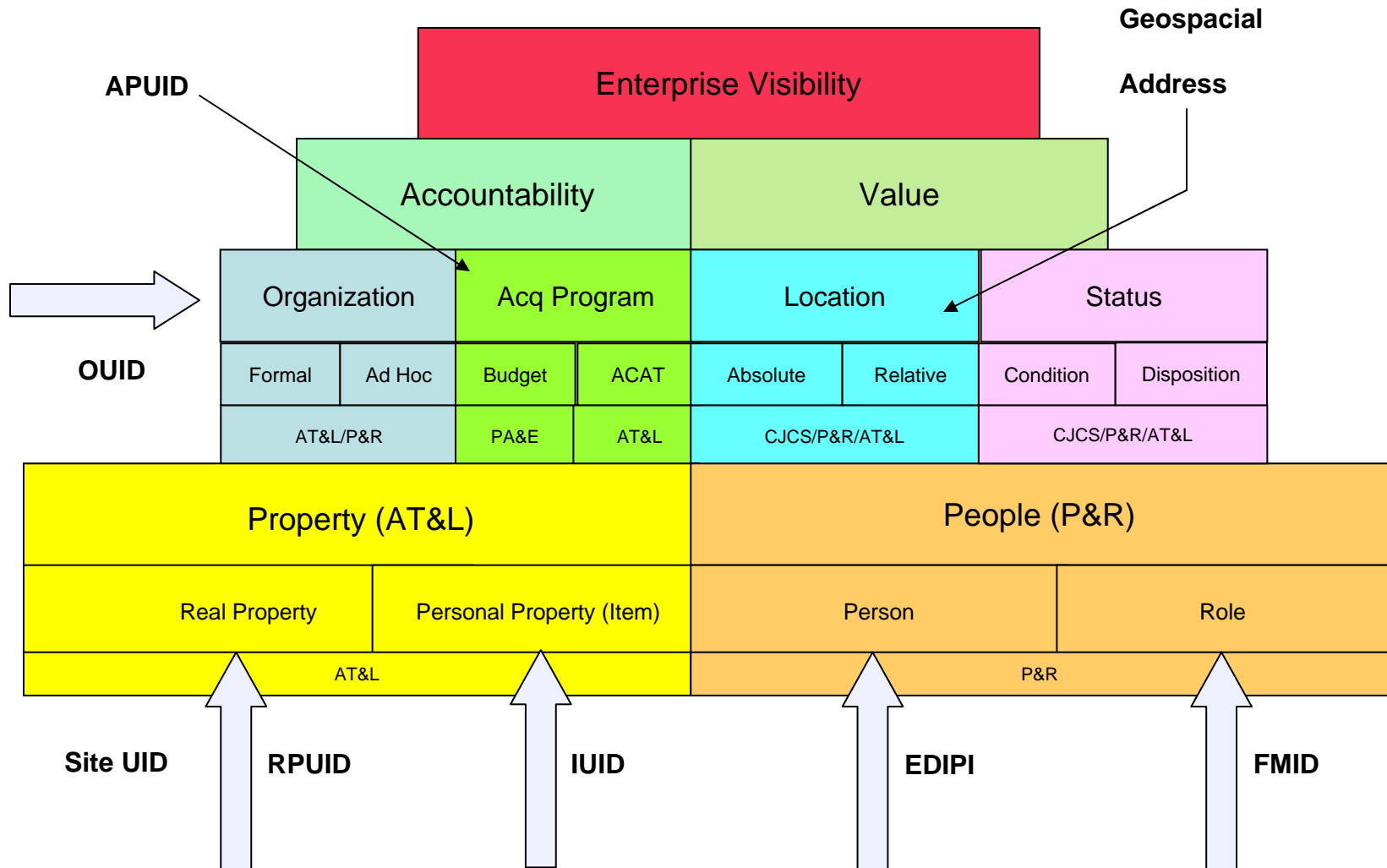


# DoD Vision for UID - FY04

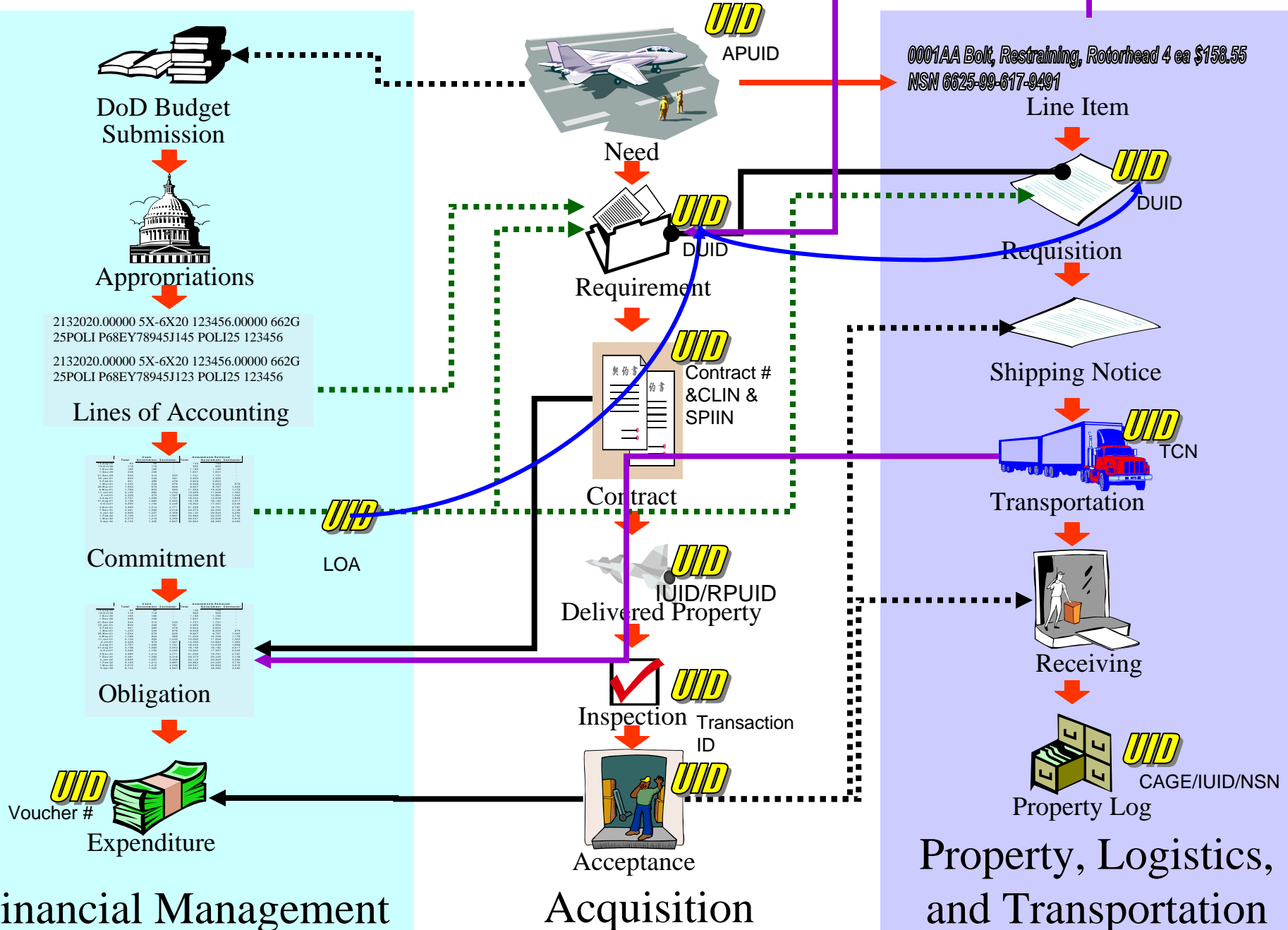


DoD, its coalition partners, and industry efficiently and effectively manage people, property, and intangible assets using globally unique identification

# Unique Identification – The Capstone View



# Enterprise UID Digital Data Flow



## Financial Management

## Acquisition

## Property, Logistics, and Transportation

# CONOPS – Item UID

## ◆ A common sense approach:

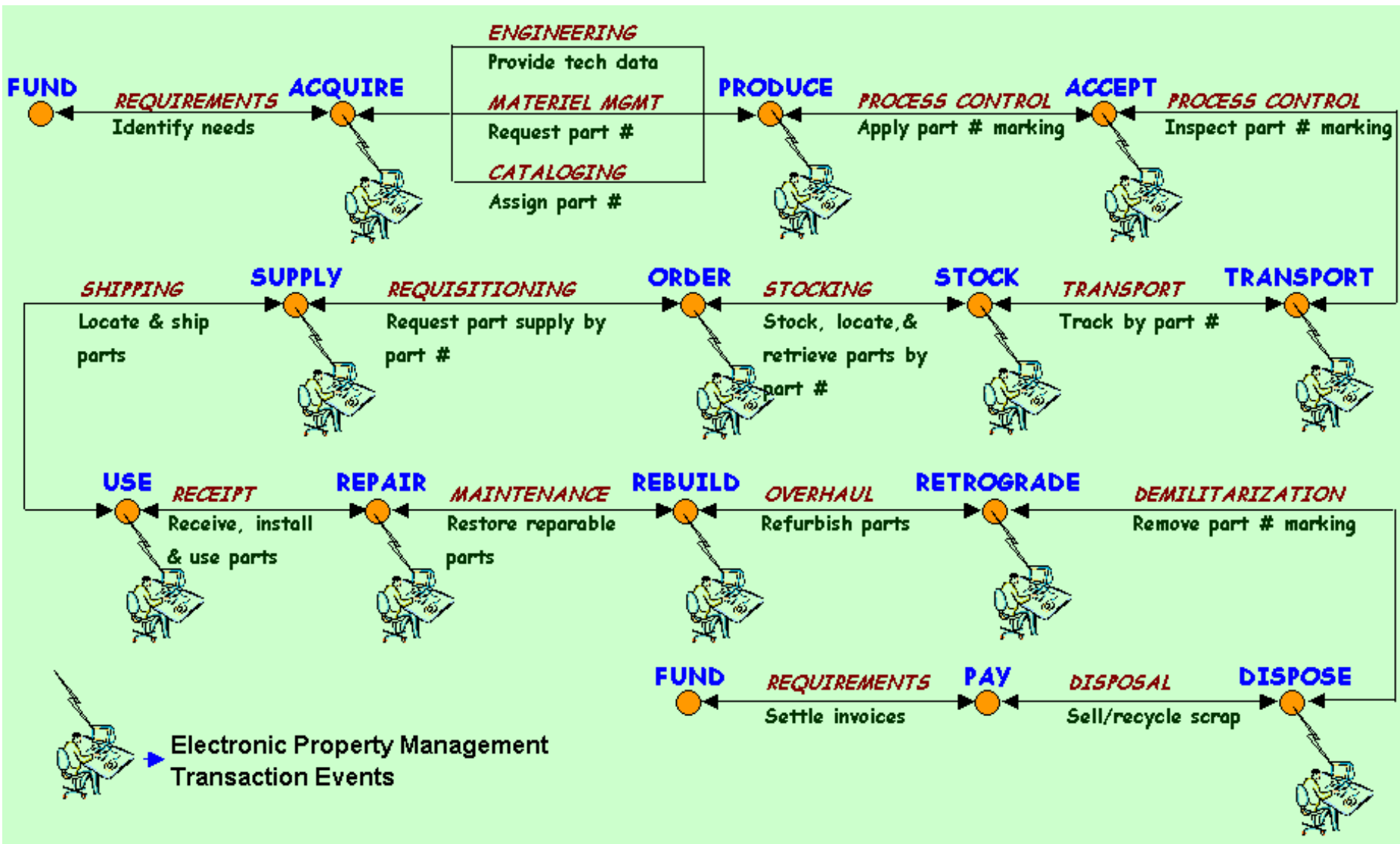
- Mark items with **machine readable** unique identifiers
- Centrally register pedigree data and value for each marked item
- Retrieve unique identifier from item in use through **automatic data capture**
- **Associate and retrieve** data on item value, maintenance history and accountability
- Identify and define collaboratively high priority scenarios for step-wise application

## ◆ Achieve value and extend resources:

- Exploit **automatic data capture** to improve productivity
- Enhance **precision** of logistics, contracting, and financial business transactions
- **Consistently capture** the value of items DoD buys, control these items during their use, and improve item performance
- **Track items** in property accountability, inventory, and financial management systems toward achieving compliance with the Chief Financial Officers Act
- Enable Serialized Item Management



# Data Capture Opportunities

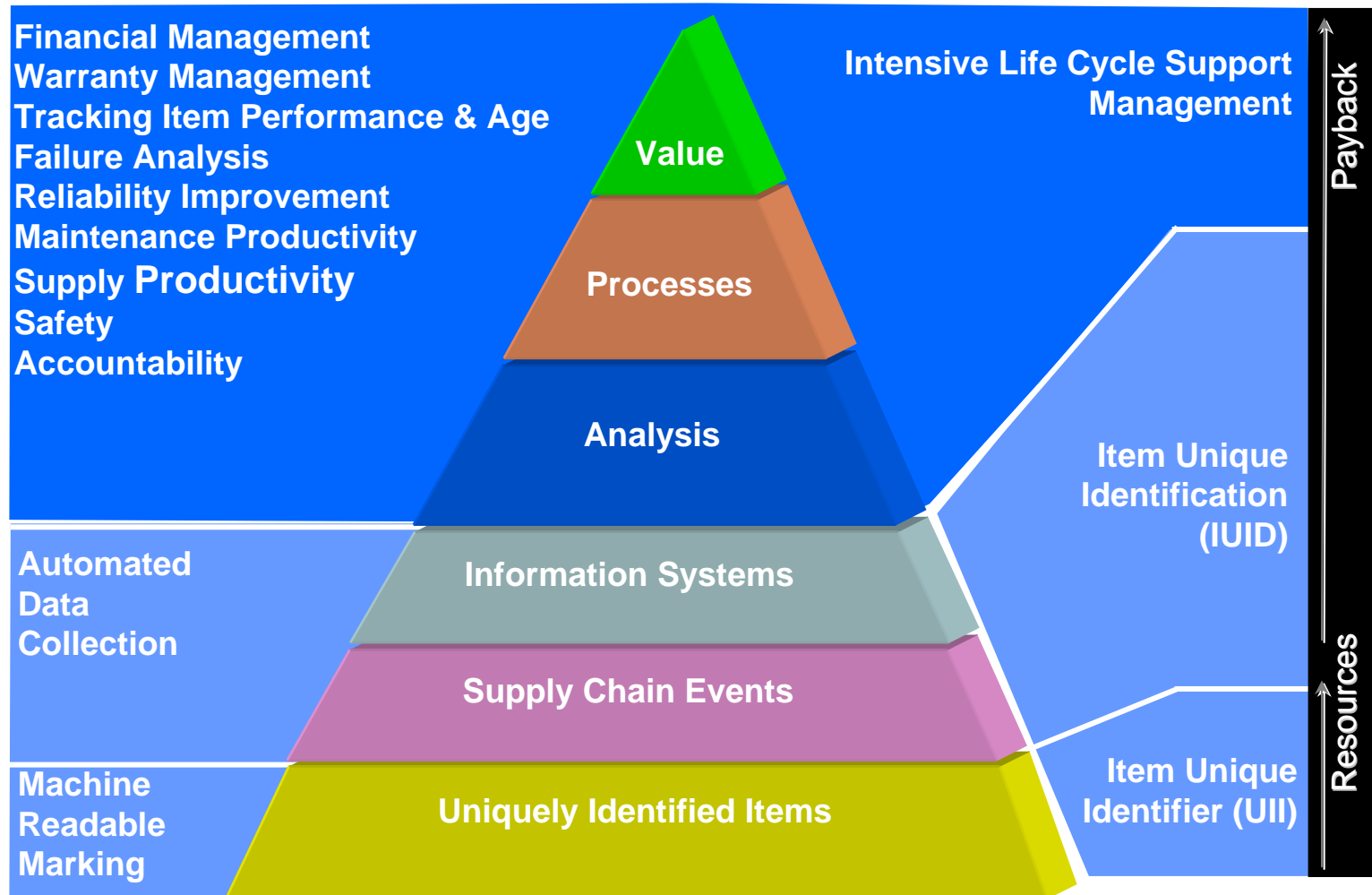


# IUID Enabled Intensive Life Cycle Support Management

*Capabilities*

*Requirements*

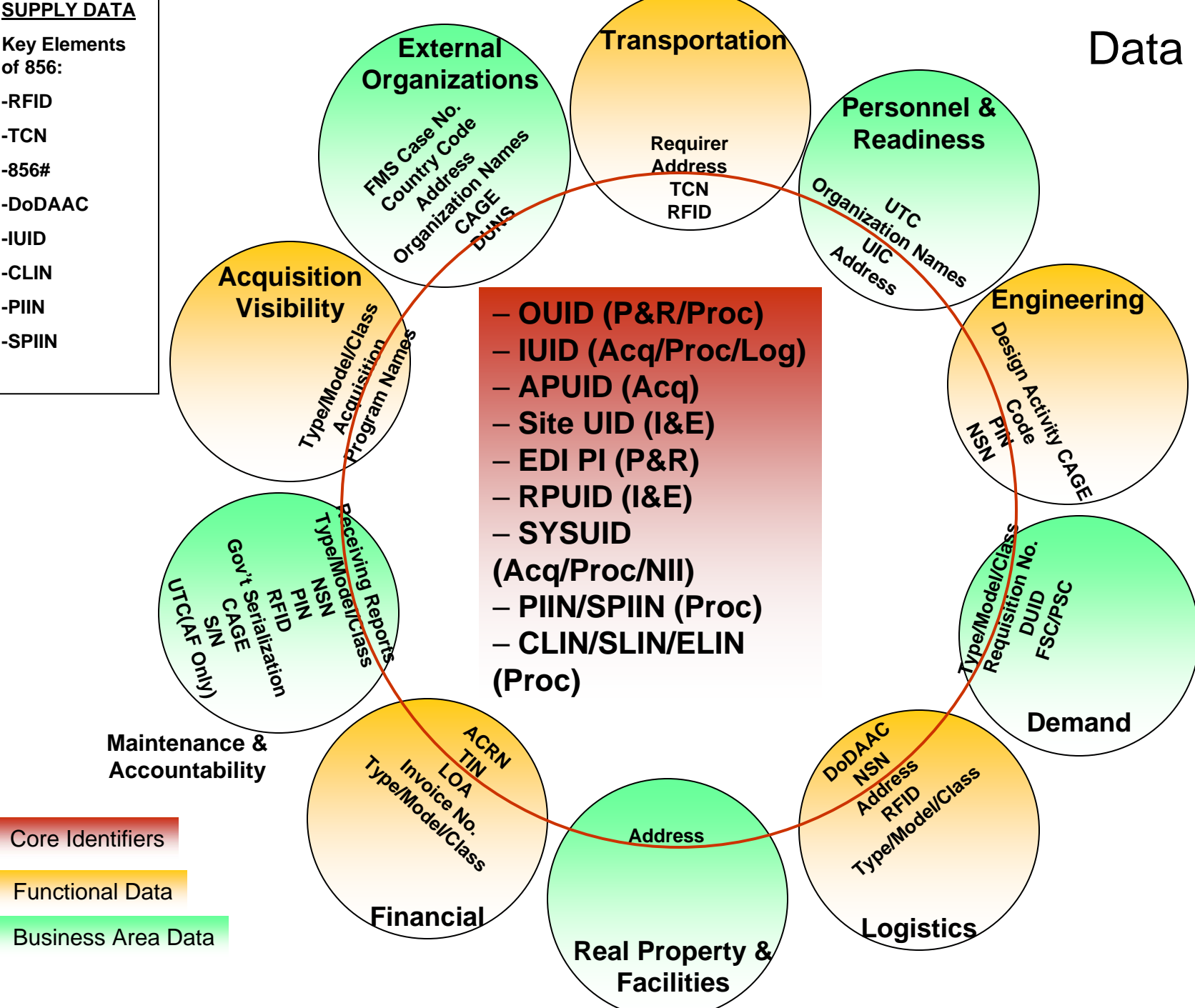
*Objectives*



**SUPPLY DATA**

- Key Elements of 856:
- RFID
  - TCN
  - 856#
  - DoDAAC
  - IUID
  - CLIN
  - PIIN
  - SPIIN

**Data Keys**

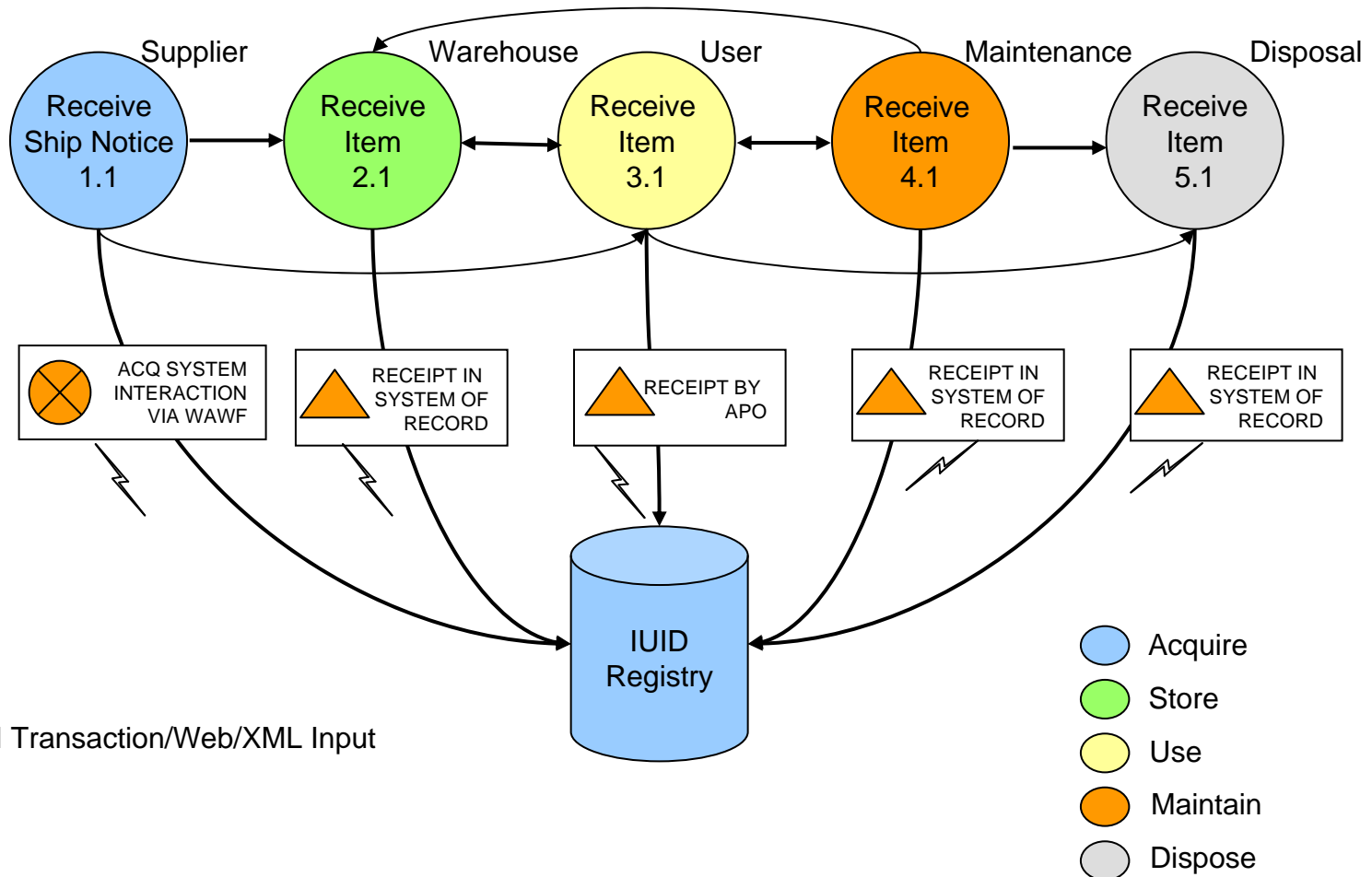


Core Identifiers

Functional Data

Business Area Data

# Trigger Points for IUID Registry Updates



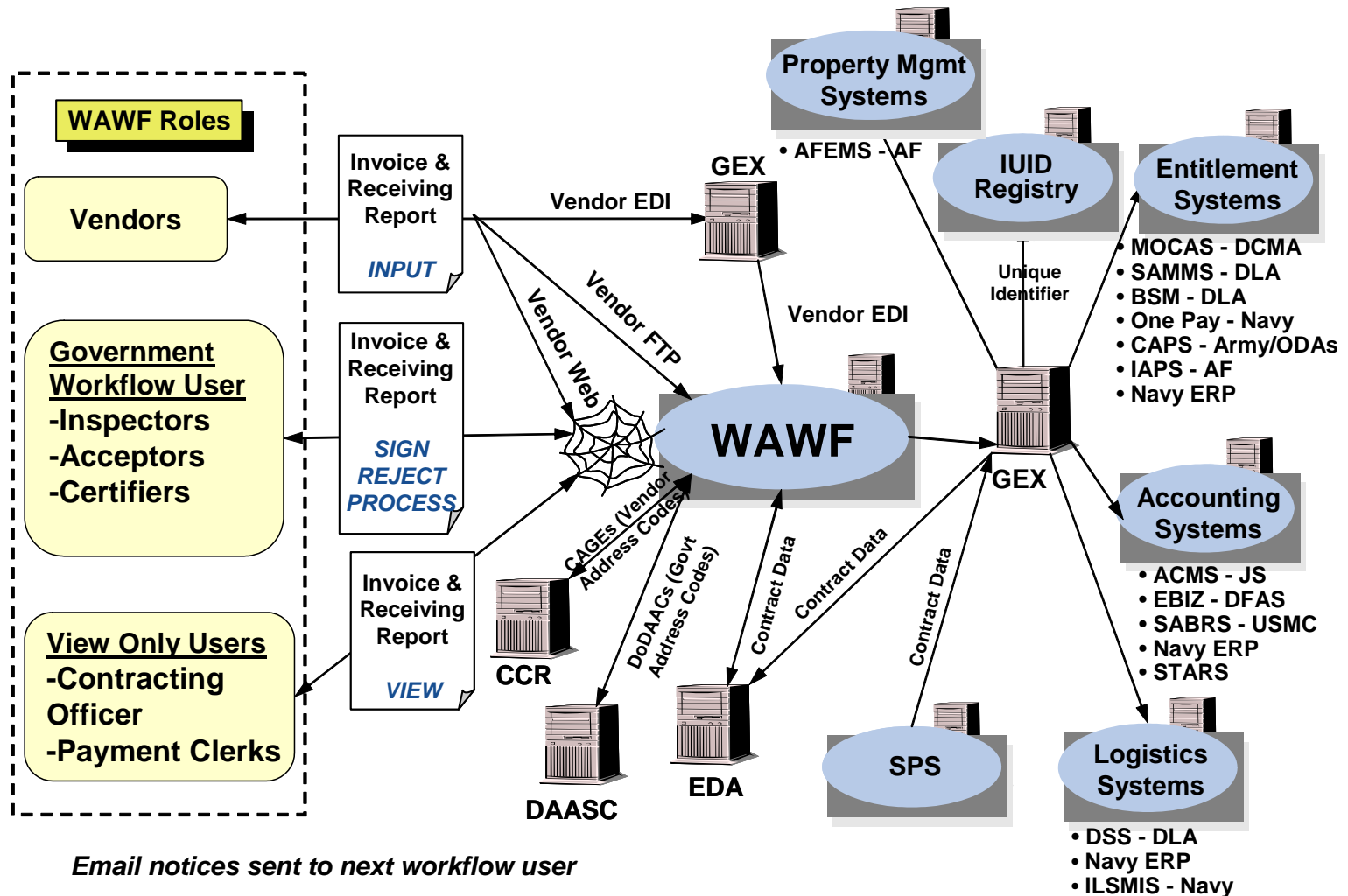
# Data and Process Goal

## Traceability of –

- Acquisition Demand to Procurement to Logistics
- Using Business Rules, Data Keys and enforcing the Regulations

Challenge: Consistent adoption of data standards for traceability in a cross functional environment

# WAWF Current Process State



# Keys for Tracking Warranty Performance

Isolate Minimum Data Elements (IUID Items only)

## Phase I:

### Acquisition Planning

Government Required	Warranty Type & Terms	Warranty Duration
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## Phase II:

### Solicitation / Contract Award

Contractor Provided	CLIN	Warranty Type & Terms	Duration
Government Required	CLIN	Warranty Type & Terms	

Contract No.
Modification
CLIN / SLIN / ELIN
All IUID Data

## Phase III:

### Receipt & Acceptance

Contractor Provided	Manufacturer	Warranty Vendor
Government Required	Warranty Procedures	

## Phase IV:

### Use; New Contracts (issued after JAN 2010)

**\*\* Goal: Clearly define contract data requirements. \*\***

# Challenges

- ◆ Adhering to the contract line item rules
- ◆ Developing a procurement data standard enabling national level conformed contracts and contract management
- ◆ Developing an electronic solution for Full Cost of a Delivered Item (including indirect costs and Government Furnished Property)
- ◆ Contingency capabilities
- ◆ Paperless Government Furnished Property
- ◆ Wide Area Workflow
  - Army and DLA at about 40%; 0 sites fully deployed
  - Air Force and Navy are in excess of 75% deployed
  - Receipt vs acceptance
    - Survey underway across DoD
    - Templates being developed with a focus on destination acceptance
    - Biggest challenge is destination at maintenance locations across DoD as DLA role evolves
  - Engaging logisticians