



Item Management Using Item Unique Identification (IUID)

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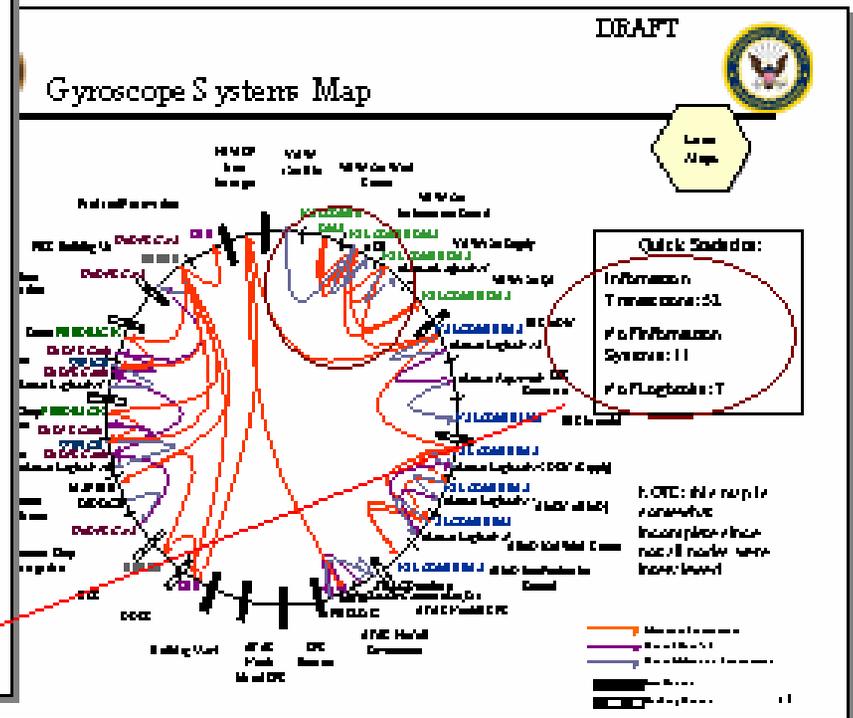
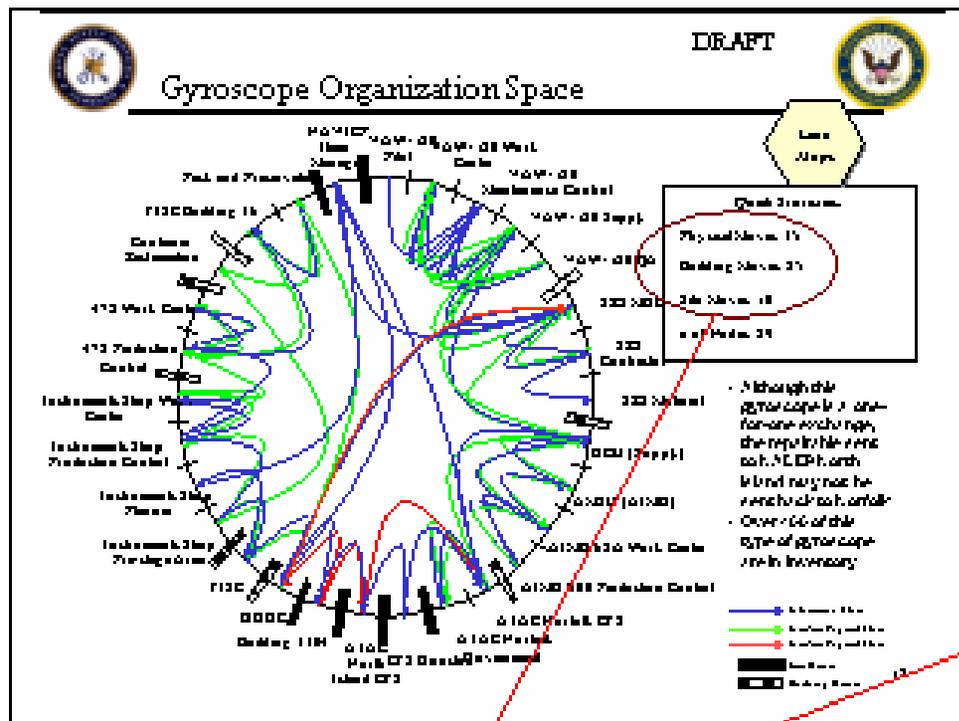
Office of the Under Secretary of Defense (AT&L)

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What Problems Need Fixing?

- Item identification must be globally unique
- Machine readable language for AIT devices must be interoperable
- Item valuation and property transfer process must be consistent
- Maintenance data must be exchanged in a common format
- Data keys are critical; standards can be useful

Property Transfer Environment



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

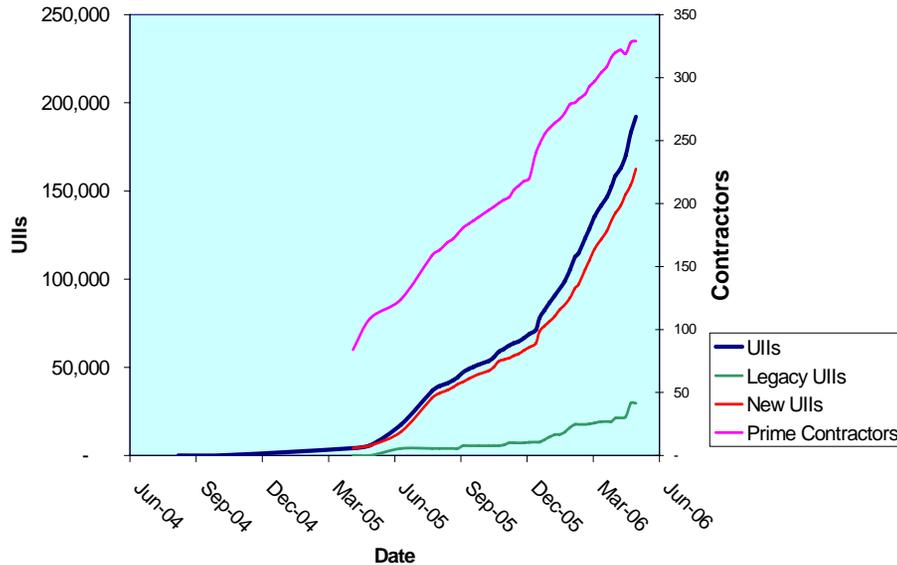
- *No End-to-End Management*
- *Lack of Visibility*
- *Long-Cycle Times*
- *Increased Inventory Levels*
- *Limited Ability to Forecast*

UID Update - Registry Statistics

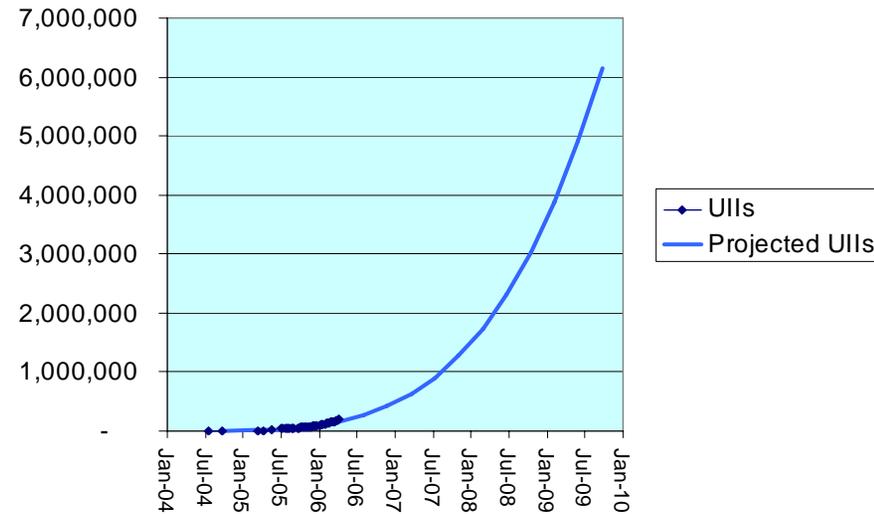
(through 3 May 06)

Goal: 97M IUIDs

IUID Registry Population



Registry Growth



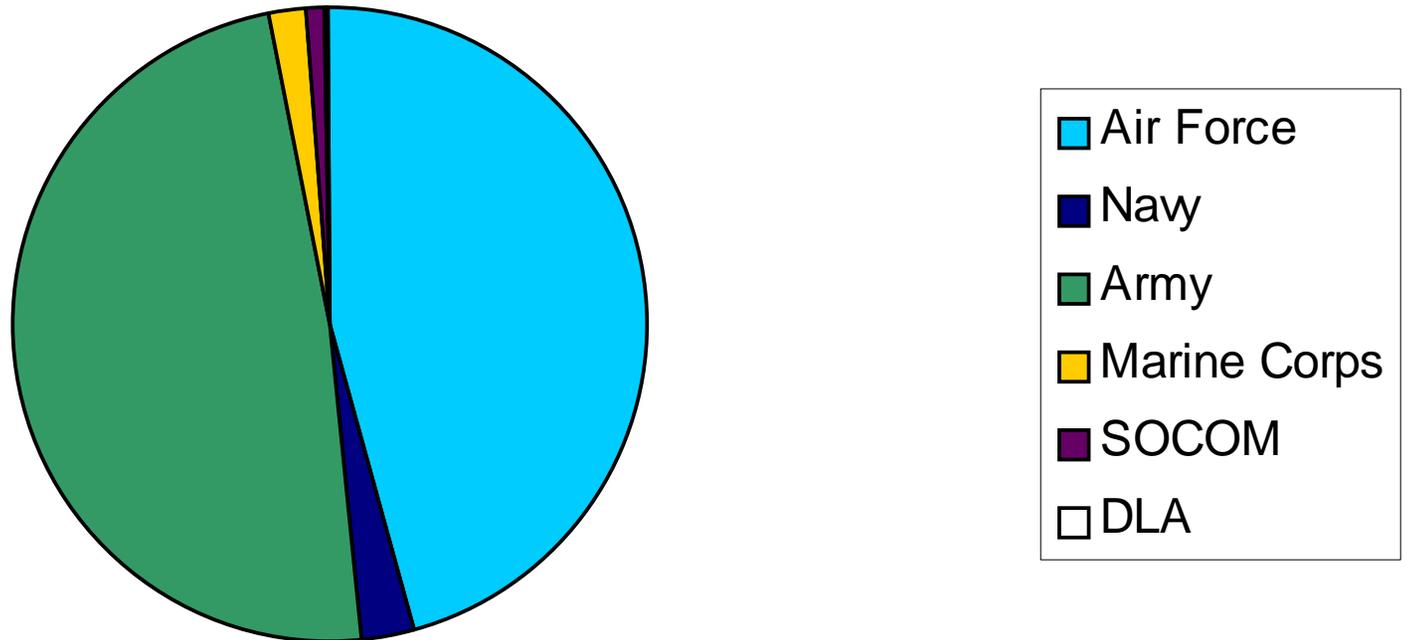
- **192,092** Items registered
- **162,478** New items
- **29,614** Legacy
- **329** Contractors have delivered new Ulls
- **194** of the contractors (**59%**) are small businesses

- **Growth rate over 9,000 Ulls/week**
- **19,788** Items are in GFP status
- **1,068** contracts with GFP listed

UIIs by Component

(Through 26 April)

Delivered UIIs



Current Categories of Individual Items

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

**Goal: Uniquely Mark Items + Track =
Manage**

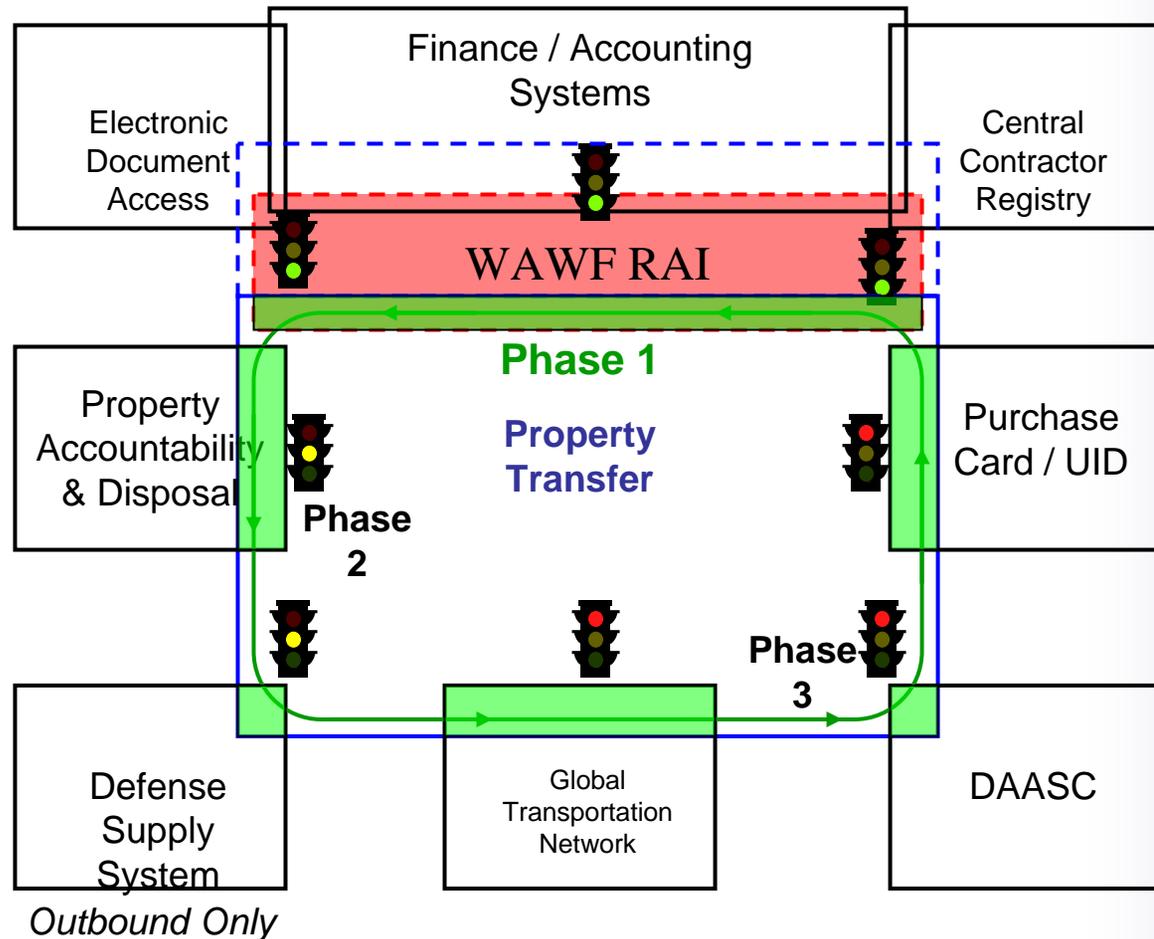


Electronic "Paperless" Property Process

Wide Area Workflow (WAWF) as the financial system is the base of a paperless process

WAWF is a transaction system, supporting a distinct part of the procurement lifecycle from:

- submission of electronic invoices
- through Inspection and Acceptance
- to Electronic Payment Receipt



Target Property Environment (Track & Manage)

- Create data one time, reuse often
- Property should only be in one accountability system at a time
- **Items should be issued from the supply system using UII**
- Acquisition value will only be recorded and updated in the IUID Registry
- IUID Registry will -
 - Never be an accountability system; but will be the audit trail of current and previous accountability systems
 - Maintain basic/master IUID data, including acquisition value
 - Not maintain contextual data (full life cycle); the registry will point to supply, accountability and maintenance system(s)
 - Will be updated with key transaction events
- The concatenated UII will be the common data key across systems



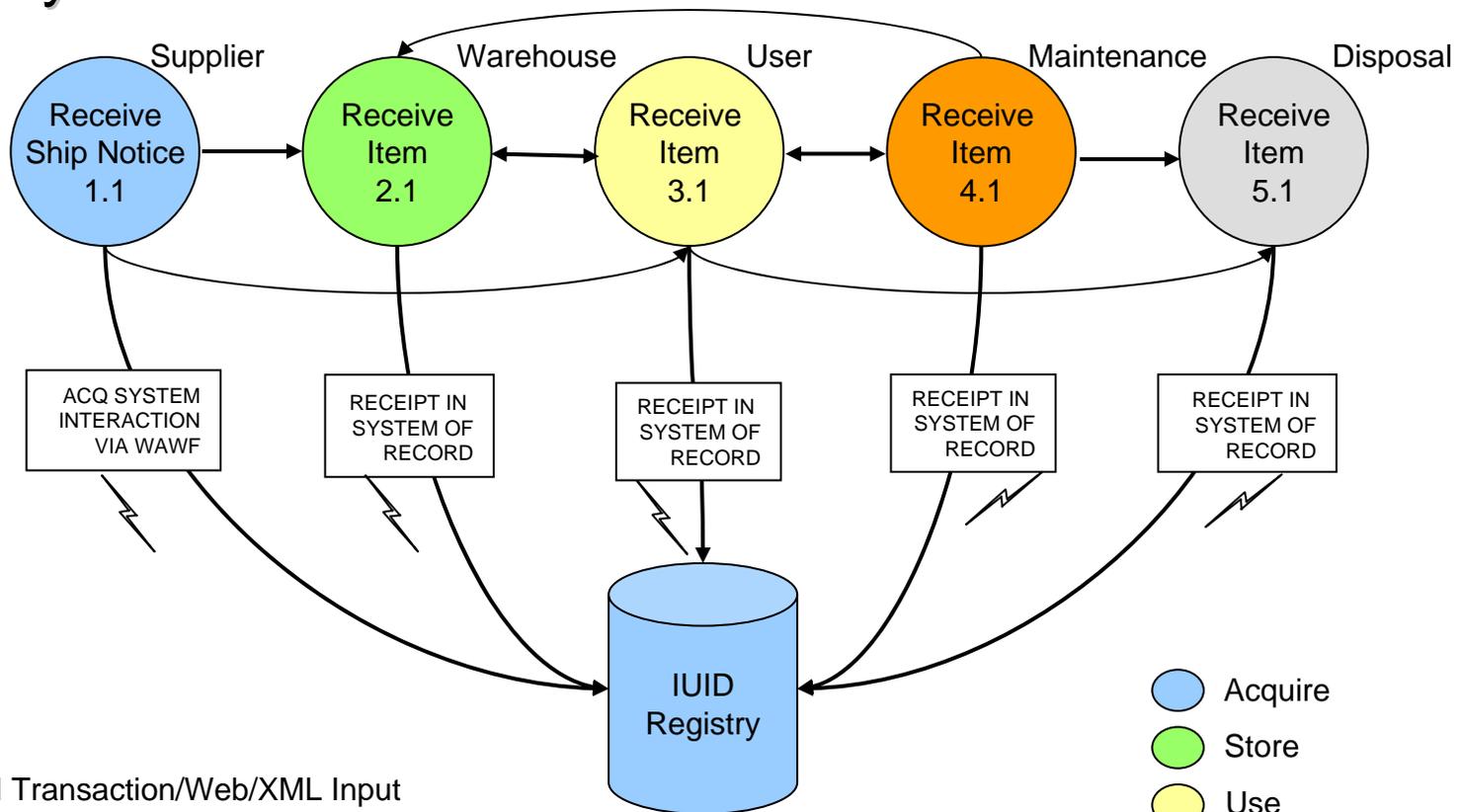
Fixed and Variable Item Master Data

Used for Legacy (Also used for PIPC)	Pedigree Data	Descriptive data	Used for PIPC
		Concatenated UII	
		Issuing Agency Code	
		Enterprise Identifier	
		Original Part Number	
		Serial Number	
		UII Type	
		Description	
	Batch/Lot	Used for Legacy (Also used for PIPC)	
	Current Part Number		
	Current Part Number Effective Date		
	Manufacturer Identifier		
	Parent Concatenated UII		
	ContractInfo		
Contract Number			
Prime Contractor Identifier			
Acceptance Code			
Acceptance Date			
Acquisition Cost			
CLIN/SLIN/ELIN			
Foreign Currency Code			
Ship-to Code			
Unit of Measure			
	Custody	Used for PIPC	
	CAGE		
	Contract Number		
	DoDAAC		
	DUNS		
	Received Date		
	Sent Date		
	Status Flag		
	Category Code (E or M)		
	Mark		Used for Legacy (Also used for PIPC)
	Contents		
	Effective Date		
	AddedOrRemoved		
	Marker Code		
	Marker Identifier		
	Medium		
	Values in Mark Contents		
	Open Items	Used for Legacy (Also used for PIPC)	
	Custodian or Steward (System)		
	Location UID		
	Program UID		
	Item Status		
	Alias (system unique)		

Indicates data element may change during items life

Trigger Points for IUID Registry Updates

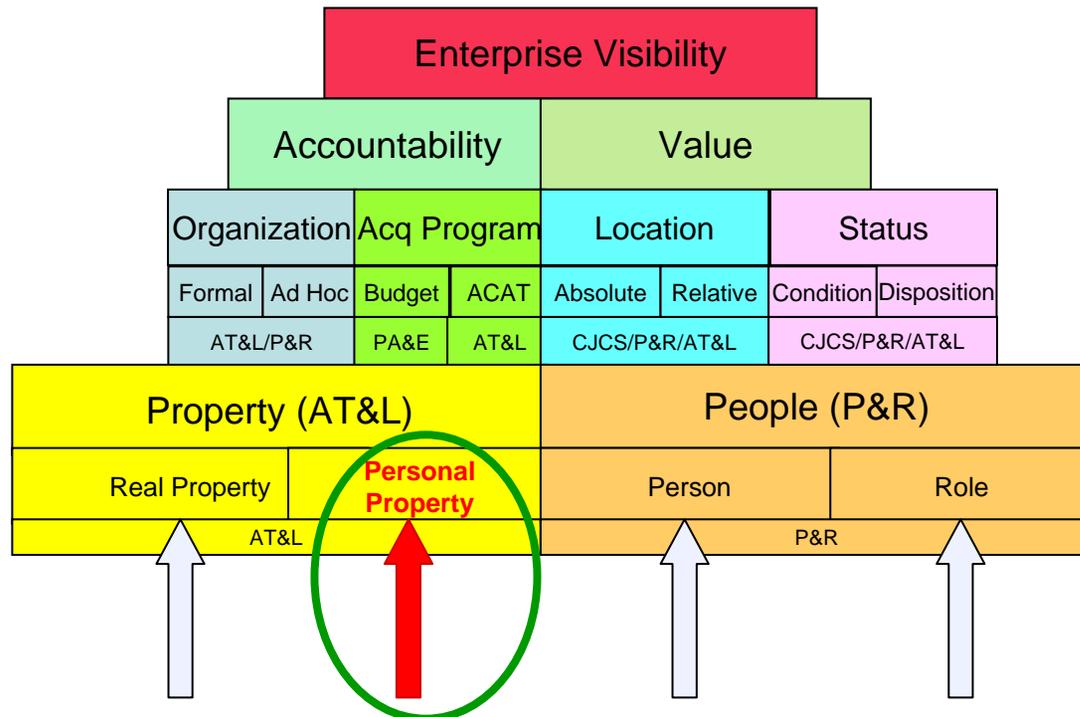
AIT is
Key



⚡ -- EDI Transaction/Web/XML Input

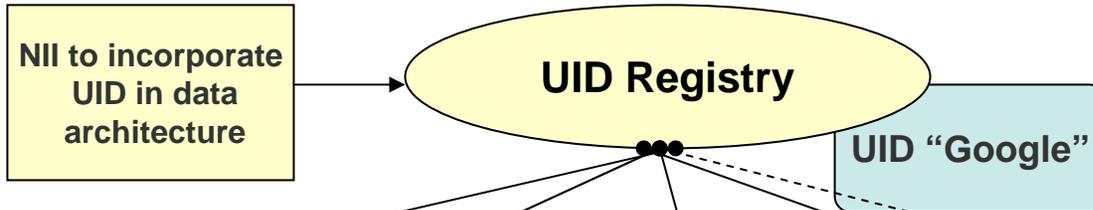
Unique Identification – The Capstone View

- **Related ISO UID Initiative**
 - ISO 15459 proposal describes uniqueness for transportation units, location and item unique identification
- **US DoD Vision of UID**

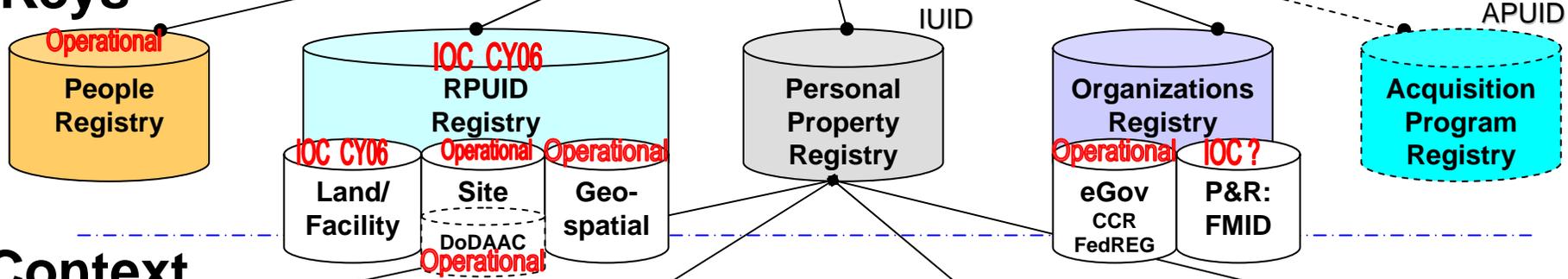


DoD UID Registry Plan

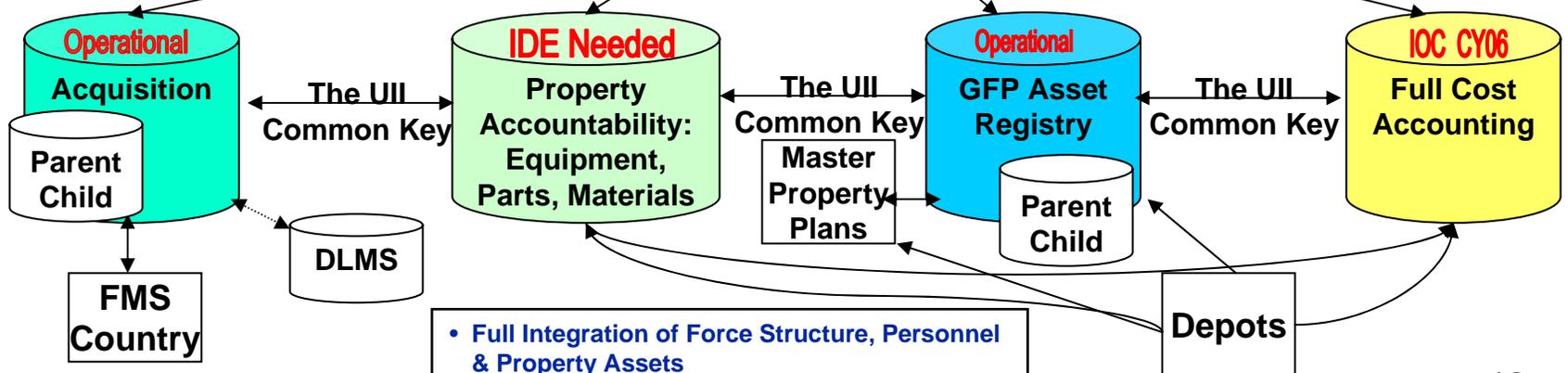
Rules



Keys



Context



CY09 -10

- Full Integration of Force Structure, Personnel & Property Assets
- Life Cycle Cost Improvements
- RPUID Includes Segmentation of Linear Assets