

Item **UNIQUE IDENTIFICATION (IUID)**



Property Management Concept of Operations

Draft November 17, 2005



CONOPS

◆ 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



Scenarios

- ◆ Real Property and Personal Property
- ◆ Property transfer
- ◆ GFP
- ◆ Military Equipment Valuation
- ◆ SIM/SNT/UIT
- ◆ Maintenance
- ◆ Supply
- ◆ Transportation

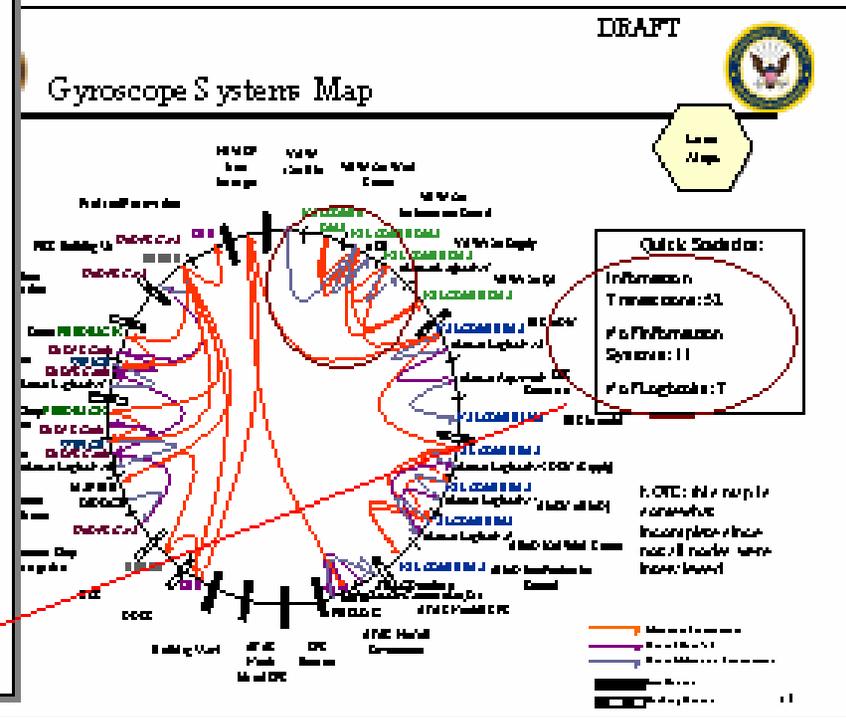
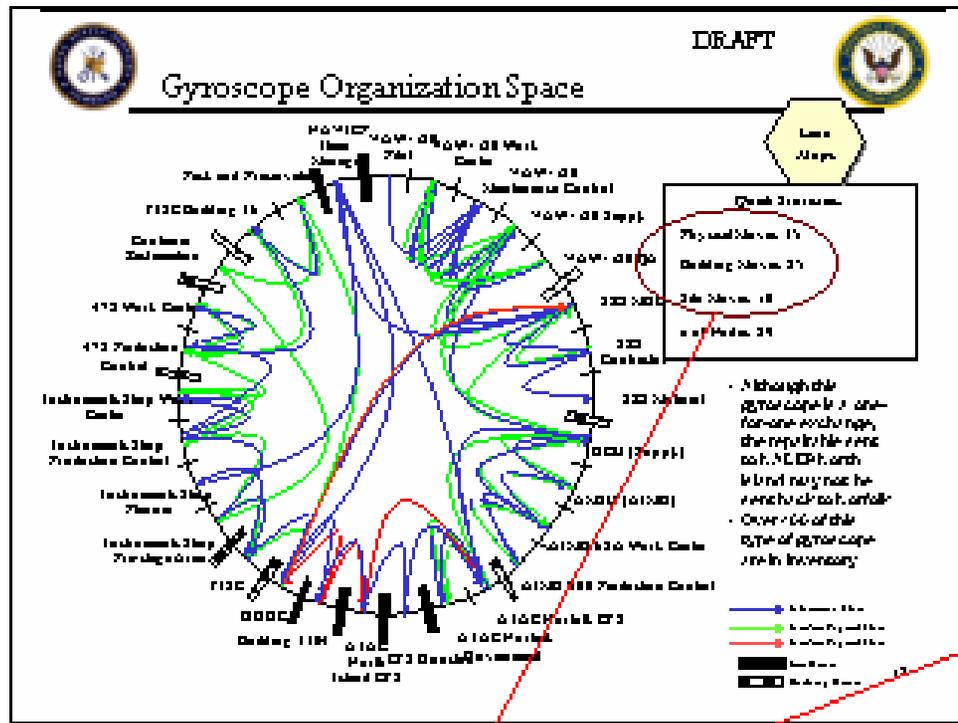


Capabilities

- ◆ Property management is strategically critical throughout the DoD enterprise to engage with precision and speed to:
 - Always know what property the DoD owns
 - Know where it is
 - Know who has custody of it
 - Know who is accountable for it
 - Be able to account for it
 - Know how it has been maintained
 - Know what it cost
 - Know what it's worth
 - And use this information to:
 - Support operations through Joint Logistics, Agile Sustainment, and Logistics Information Fusion
 - Support planning, forecasting, and budgeting
 - Identify gaps in capabilities
 - Improve reliability and warranty management
 - Improve processes
 - Reduce cycle time



Property Transfer Environment



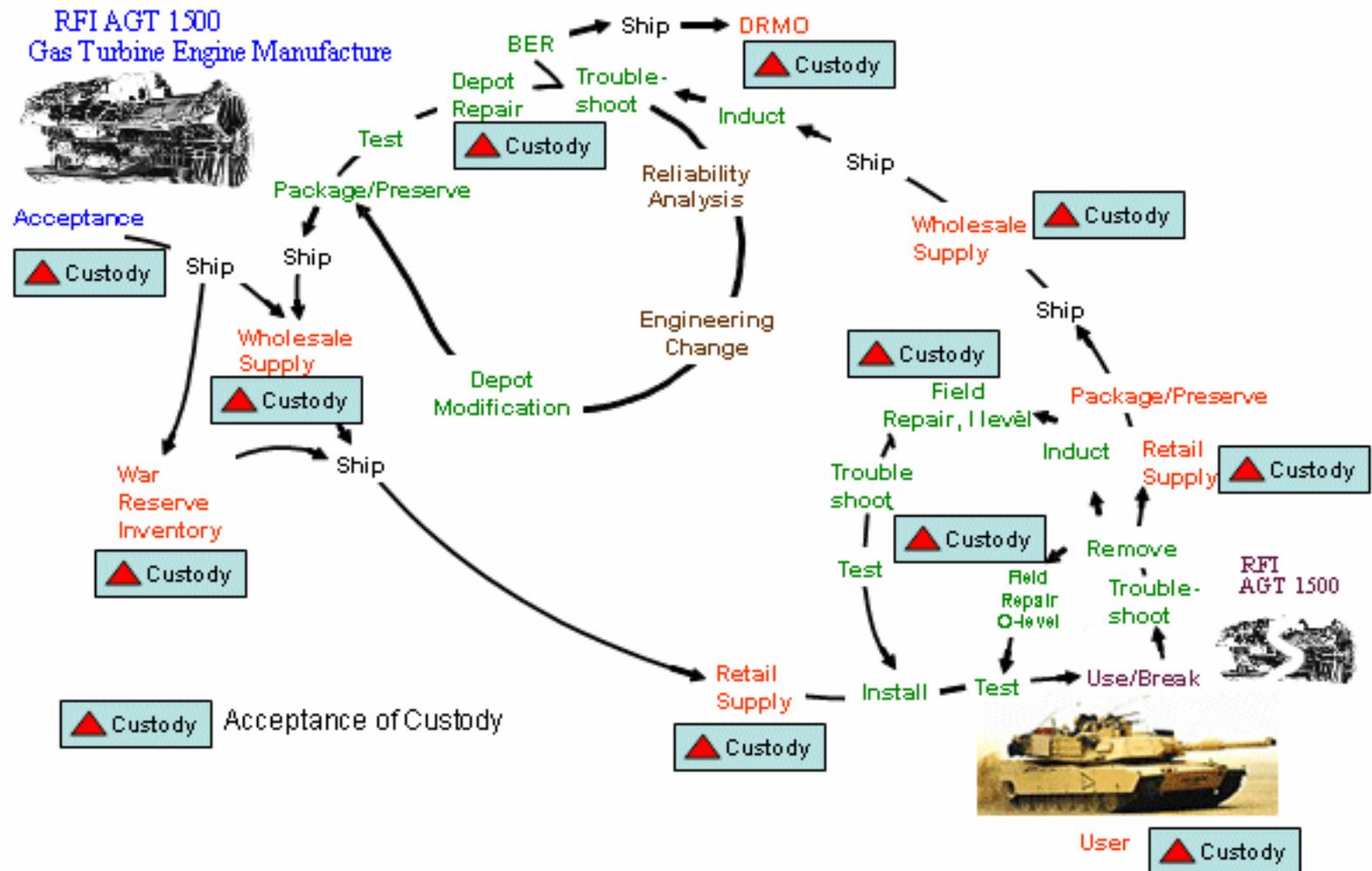
- 35 Physical Moves
- 25 Building Moves
- 10 Sites Moves
- 52 IT Transactions
- 11 Info Systems
- 7 Logbooks

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



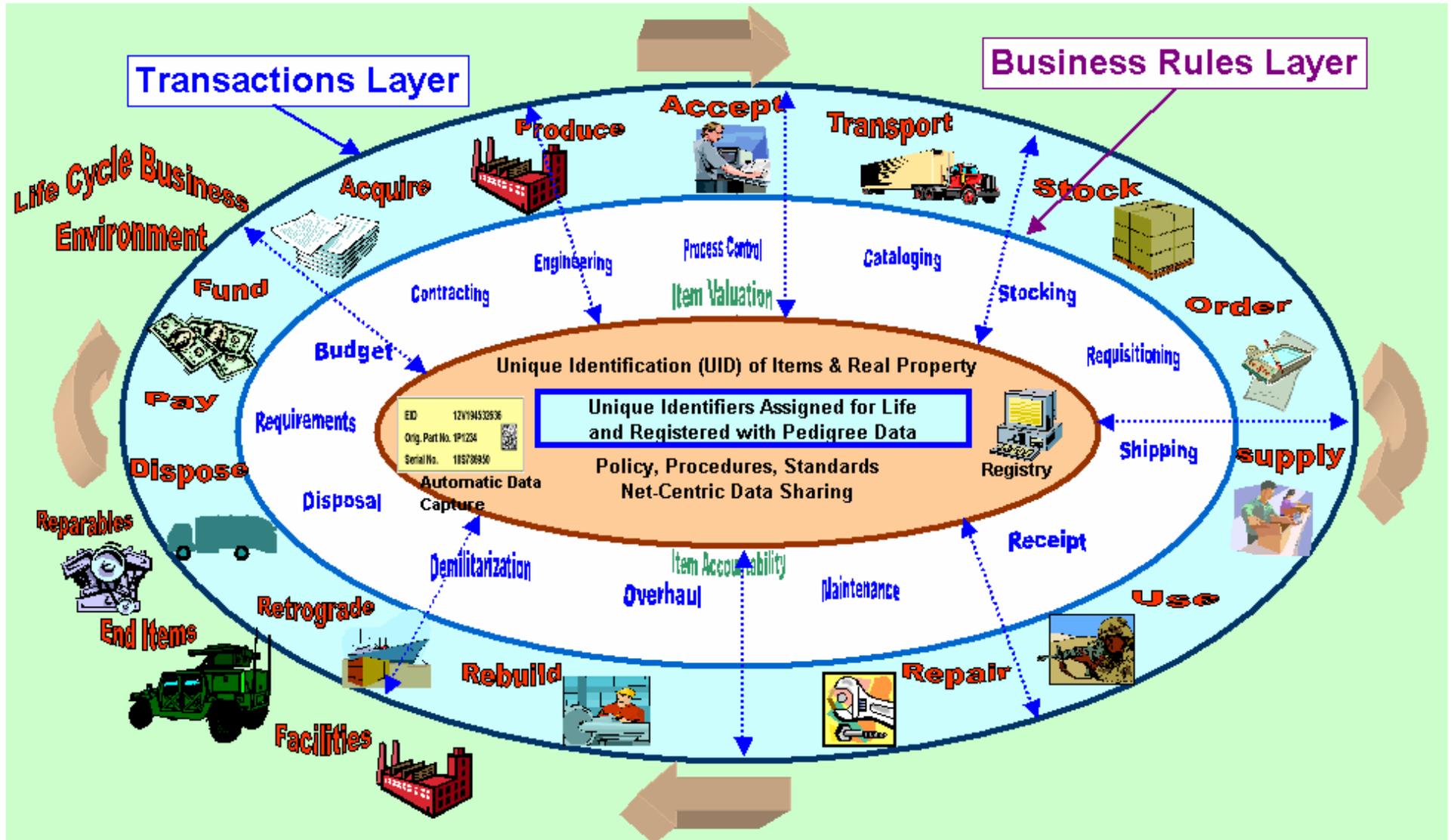
Property Transfer Dynamics

Property Custody Cycle



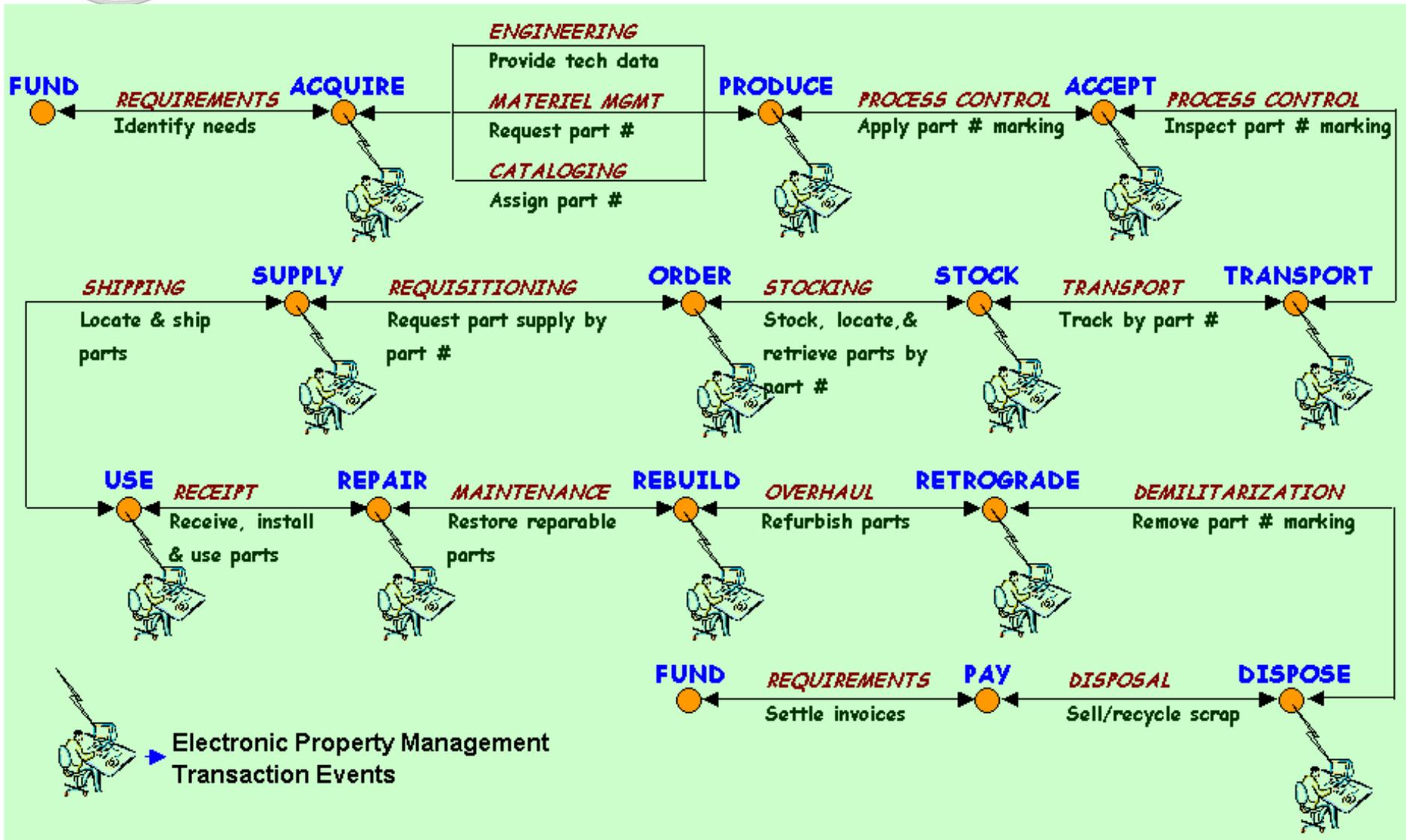


Operational Architecture Overview





Data Capture Opportunities





Goals and Objectives

Goals	Objectives
Goal 1: Ubiquitous and Globally Unique Identifiers	<ul style="list-style-type: none"> • Unique identifiers become keys to discovery and correlation of property information. • Repositories enable property data use. • Property Management business processes streamlined.
Goal 2: Lower Life Cycle Management Costs	<ul style="list-style-type: none"> • Right sizing of inventories. • Improved reliability and planning (e.g., warranty management and failure analysis). • Improved property responsiveness. • Improved utility of property information and cross-enterprise collaboration. • Improved predictability of maintenance events and costs
Goal 3: Improve Operational Readiness	<ul style="list-style-type: none"> • More effective and efficient property planning and deployment. • Improved property intelligence • Improved property management responsiveness to sustain operations
Goal 4: Capitalize on Leading Practices	<ul style="list-style-type: none"> • IUID is neutral and based on open standards, with data accessible by all systems. • Low cost and readily available unique identifier technologies. • Deliver instantaneous and repeatable information for locating, controlling and valuing accountable personal property and real property assets anywhere and anytime.
Goal 5: Reliable Accountability and Visibility	<ul style="list-style-type: none"> • Improved financial management accounting and reporting. • Improved property accounting audit trails and data integrity. • Stronger property management controls during implementation and operation. • Enhanced visibility and accountability.
Goal 6: Reduce Burden on Workforce	<ul style="list-style-type: none"> • Improvement in the quality of work-life. • Enhanced knowledge sharing. • Improved access to the right information. • Improved property data integrity.

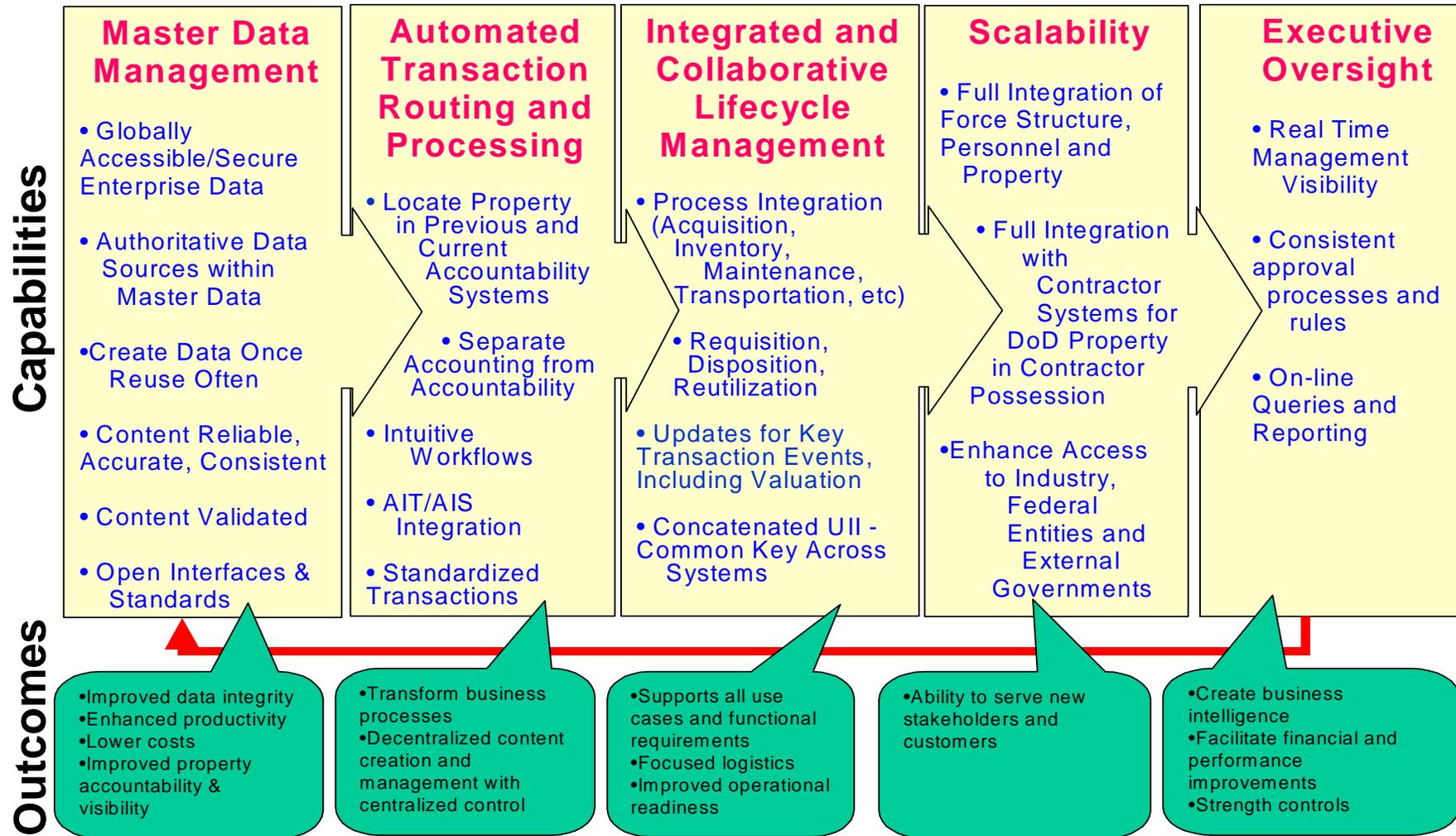


Strategic Outcomes

Strategic Outcome	Description	Period of Performance
Personal and Real Property Uniquely Identified	Efforts associated with mapping real and personal property with a unique identifier.	Current and indefinitely into future.
Critical Mass of Uniquely Identified Personal and Real Property Achieved	Efforts associated with achievement of item unique identification (IUID) program ramp-up and self-sustainment.	Current through EOY07 (personal property) and EOY10 (real property).
Robust Infrastructure Installed	Efforts associated towards architecting and developing an infrastructure capable of technically and functionally managing unique identifiers, registries and other technical requirements.	Current through EOY08 (full operating capability), with additional add-ons through EOY10.
Effective Operations Achieved	Efforts associated with maintaining operations and continuous improvement.	EOY07 and future.
Efficient Program Leadership Achieved	Efforts associated with managing the IUID Program, to assure best stewardship of taxpayer investment, stakeholder requirements, and industry best management practices.	Current and future.



Property Management Capabilities





Precepts

- ◆ The IUID Registry is not an accountability system
- ◆ The IUID Registry is not an asset in-transit visibility system
- ◆ The IUID Registry is the authoritative source for UIIs and their pedigree data, which includes acquisition cost and accountability
- ◆ All property that requires a UII is accountable property
- ◆ The UII shall be accountable in only one property accountability system of record at a time
- ◆ An item assigned a UII can only exist at one location at a time. The IUID Registry will maintain accountability at these levels:
 - To the top level Property Accountability System, as designated by the reporting component
 - To the inventory level by the DoDAAC of the storage destination
 - To the depot maintenance level by the DoDAAC of the depot
 - To disposal level by the DoDAAC of the accountable DRMO facility



Data Capabilities

- ◆ What is it?
 - Description
 - Part Number
 - Serial Number
- ◆ How much did it cost?
- ◆ Who has property stewardship for it?
- ◆ What accountability system knows about it?
- ◆ What's its state?
 - Storage
 - Use
 - Depot Maintenance
 - Disposal

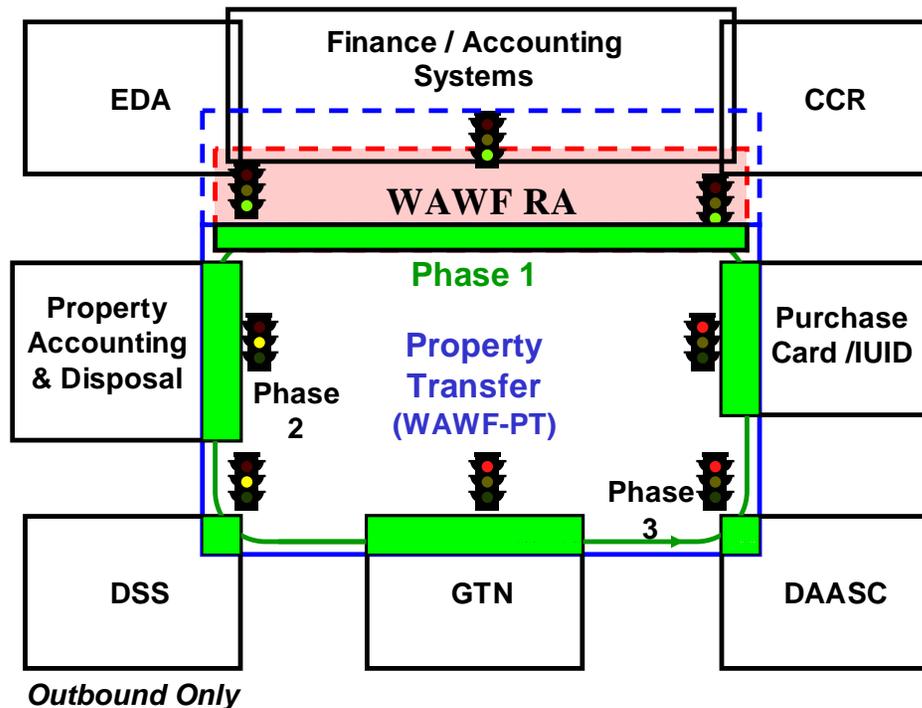


Electronic Transfer Process

Wide Area Workflow (WAWF) as the financial system is the base of a electronic property management process

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

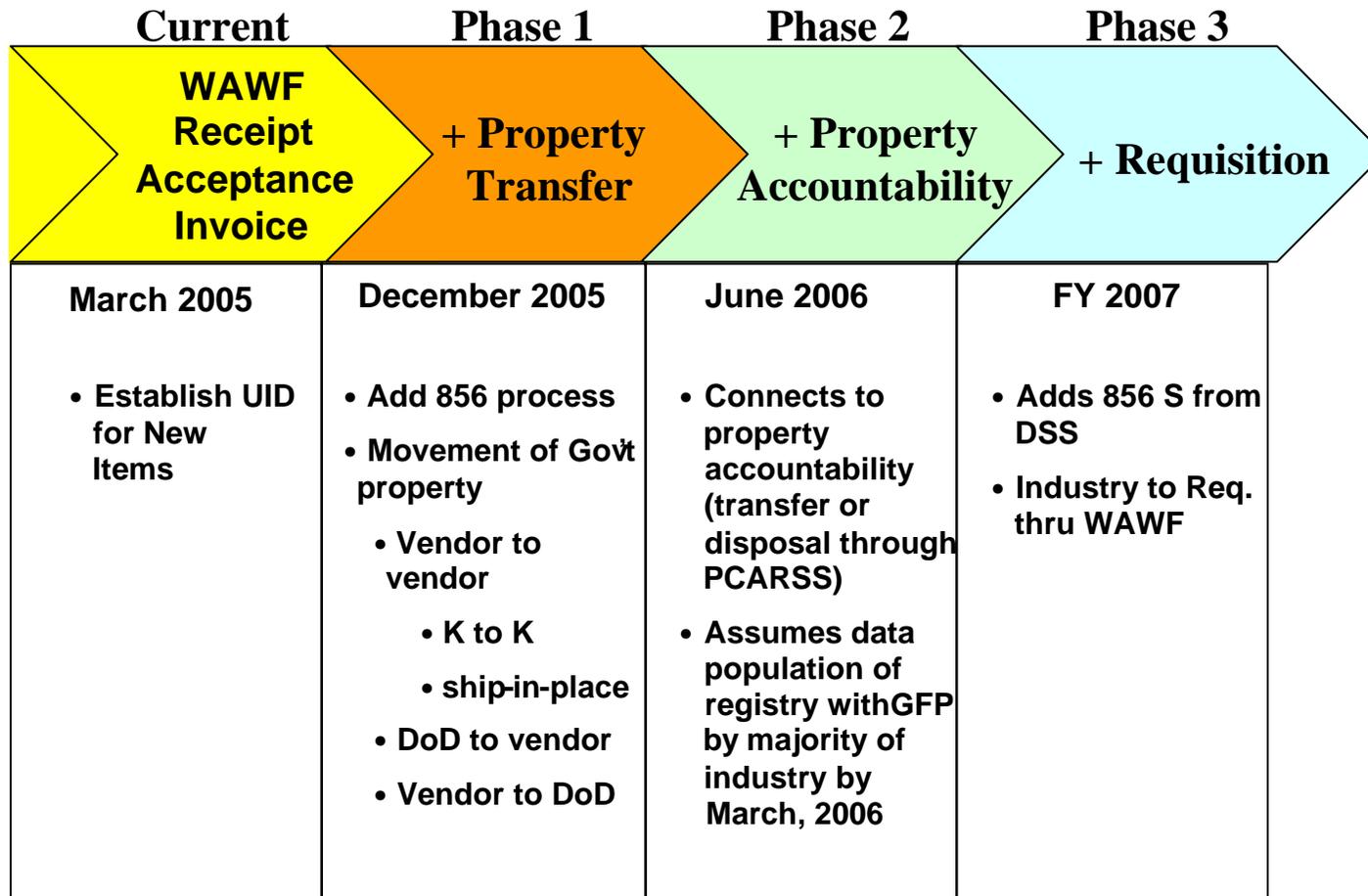
- submission of electronic invoices
- through Inspection and Acceptance
- to Electronic Payment Receipt



EDA – Electronic Document Access
 CCR – Central Contractor Registration
 DAASC – Defense Automatic Addressing System Center
 GTN Global Transportation Network
 DSS- Distribution Standard System

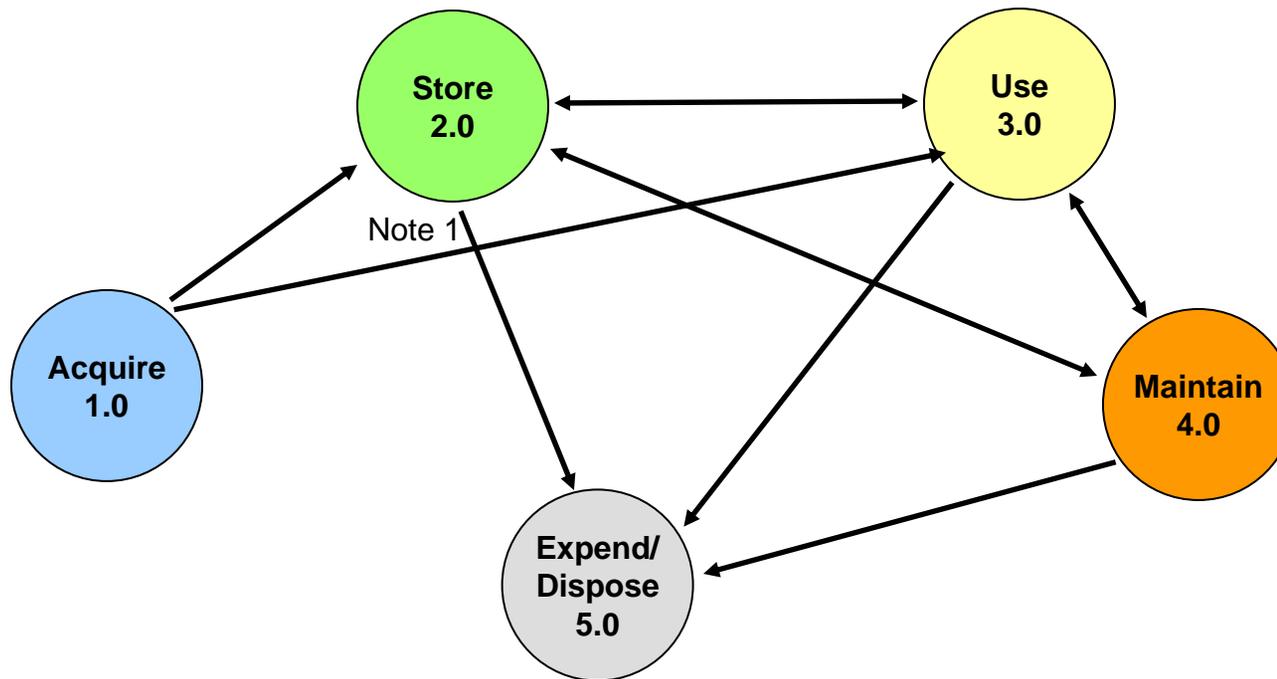


IUID Registry Capabilities





Accountable Functions



Note 1 – Excess or demilitarized designated items in storage

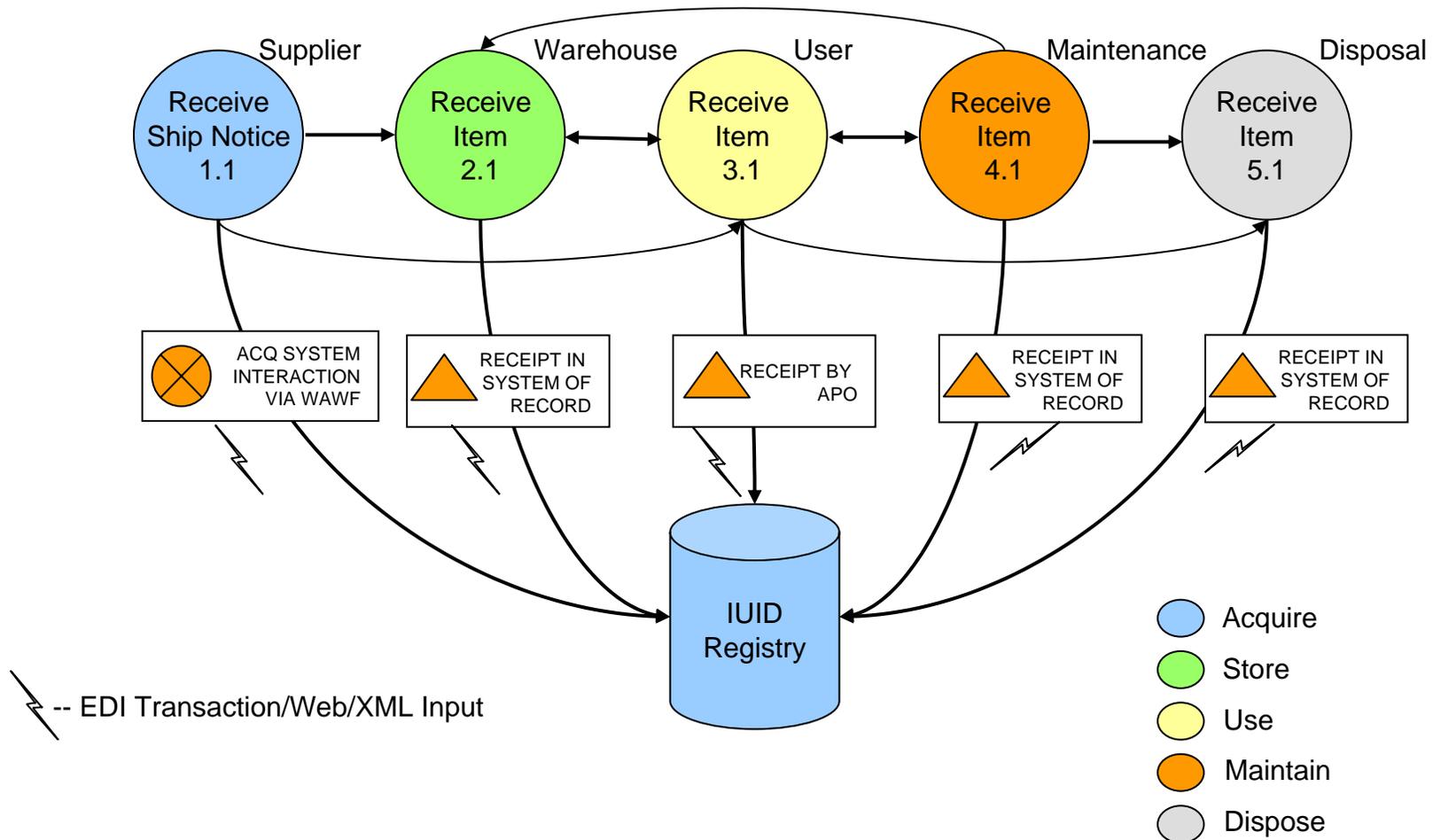


Interfaces

- ◆ The UII data in the IUID Registry shall be updated by EDI transactions or directly via Web/XML input
 - Preferred end state: “Wide Area Work Flow” Property Transfer Process?
- ◆ The following trigger events shall be used to update the accountability data for a UII registered in the IUID Registry:
 - Receipt by the Staging/Storage Destination
 - Receipt by the top level Property Accountability System
 - Receipt by the Maintenance Depot
 - Receipt by the Disposal Facility / Excess warehouse

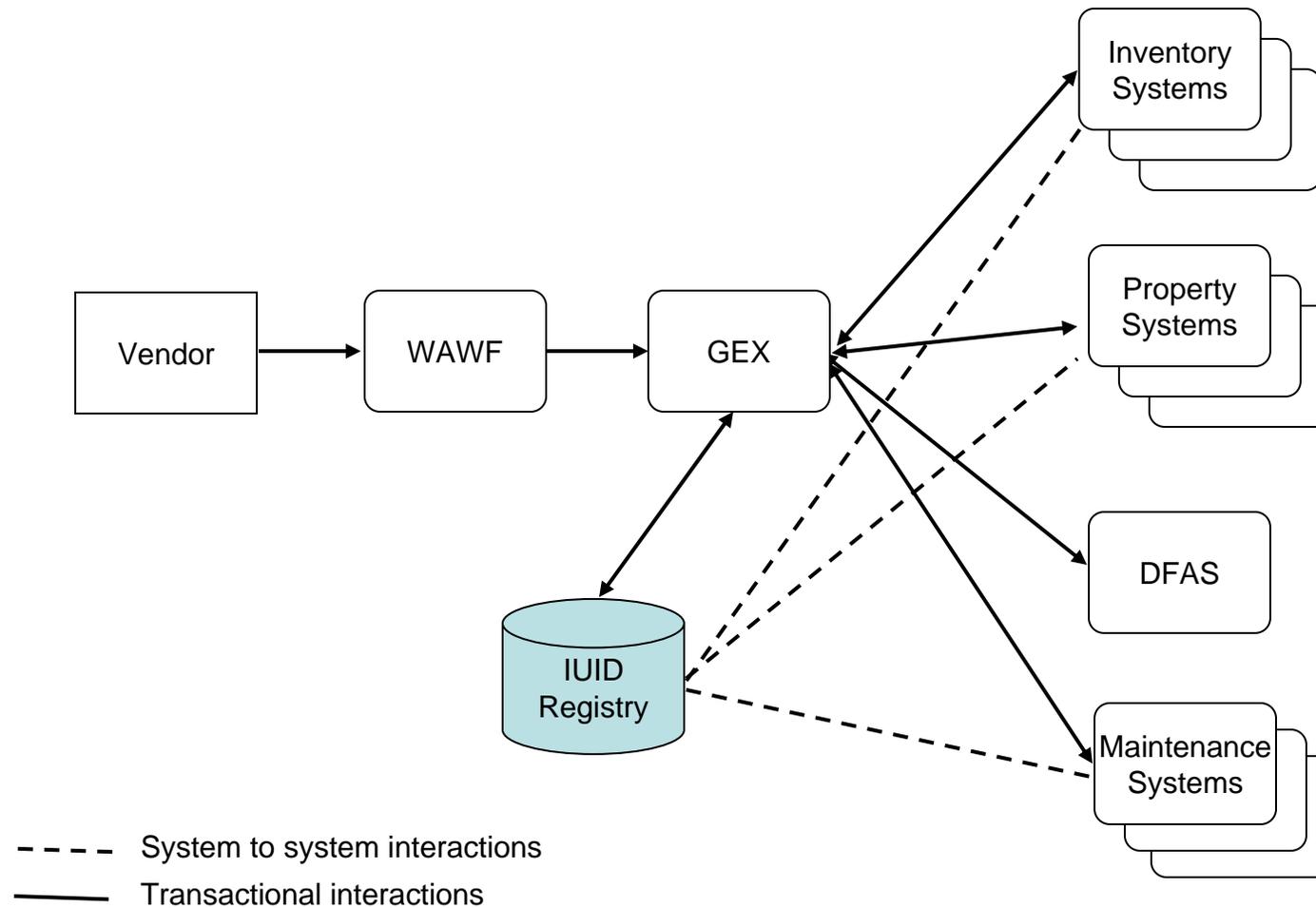


Trigger Points for IUID Registry Updates





Systems Interactions





Roles and Responsibilities

Roles	Responsibilities
Contractor	<ul style="list-style-type: none"> ◆ Delivers UII and registers pedigree data ◆ Maintains stewardship of GFP
DCMA or Destination	<ul style="list-style-type: none"> ◆ Inspects and accepts UII item
IUID Registry Administration	<ul style="list-style-type: none"> ◆ Establish interfaces with WAWF and Property Systems ◆ Maintain the IUID Registry
Storage Destination	<ul style="list-style-type: none"> ◆ Receipt transactions involving UIIs
Top Level Accountability Systems	<ul style="list-style-type: none"> ◆ Receipt transactions involving UIIs ◆ Maintain UII accountable property records current and correct in the applicable system of record. Report lost, destroyed or expended UIIs
Maintenance Depot	<ul style="list-style-type: none"> ◆ Receipt transactions involving UIIs
Disposal (DoD 4160.21M)	<ul style="list-style-type: none"> ◆ Receipt transactions involving UIIs ◆ Report disposition of UIIs



- ◆ First Military Equipment Valuation in 2006
- ◆ Critical mass of personal property items identified.
Measurable outcomes by 2007:
 - Existing serialized items meeting item unique identification (IUID) criteria marked and registered
 - Full Operational capability of IUID Registry
 - Full Operational capability of Real Property Unique Identification (RPUID) Registry
 - Critical Mass of RPUIDs
- ◆ 100% of personal property items and affiliated embedded items meeting IUID criteria marked and registered by December 2010.