



UNIQUE IDENTIFICATION (UID)

**Joint Aeronautical Commanders
Group UID Working Group
October 13-14, 2004**



Agenda

Agenda Topics –Wednesday, October 13

	Time
Welcome and Objectives (LeAntha S., Mike B.)	8:30 to 8:45
Introductions and Review Agenda (James C.)	8:45 to 8:50
Review JACG Briefing (LeAntha S., Mike B.)	8:50 to 9:30
Present T700 Strategy (Mike B.)	9:30 to 10:00
Break	10:00 to 10:15
Engine Community Discussion (RR/PW/GE)	10:15 to 10:45
Present Depot Roadmap (Tom M.)	10:45 to 11:00
Present Industry Roadmap (Chris I.)	11:00 to 11:30
Open Discussion/Define Breakouts (LeAntha S., Mike B.)	11:30 to 12:00
Lunch	12:00 to 1:00
Convene Break-out Groups (facilitators)	13:00 to 17:00

Agenda Topics for Thursday, October 14

Regroup (LeAntha, Mike)	8:30 to 9:00
Convene Break-out Groups	9:00 to 11:00
Outbriefs (Group Leads)	11:00 to 11:45
Wrap Up and Next Steps (LeAntha, Mike)	11:45 to 12:00



Objectives

- Review concept from engine manufacturers for developing single standard for marking
- Discuss and develop strategies for changing engineering drawings to factor in UID
- Discuss policy for legacy data integration



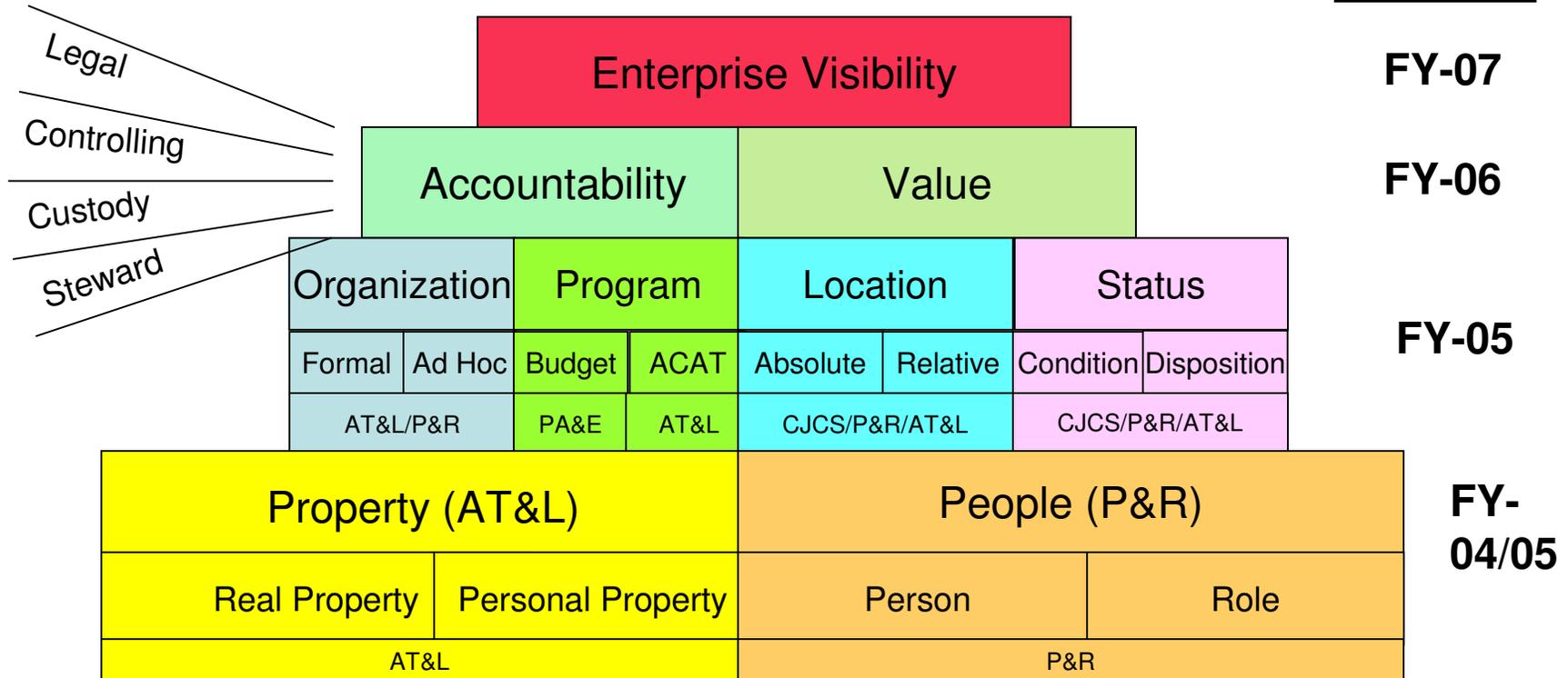
USD (AT&L) Objectives and Goals Update

- Integrate the various UID efforts working with the Joint Staff, Personnel and Readiness, PA&E, CIO and NII, Comptroller, Logistics, I&E and Acquisition Domains
- Develop a master plan and timeline integrating UID for Real Property, Personal Property, and RFID
- Develop strategy for managing GFP
- Develop a legacy UID policy and integrate the depot maintenance action plan



Data Roadmap

Time Line



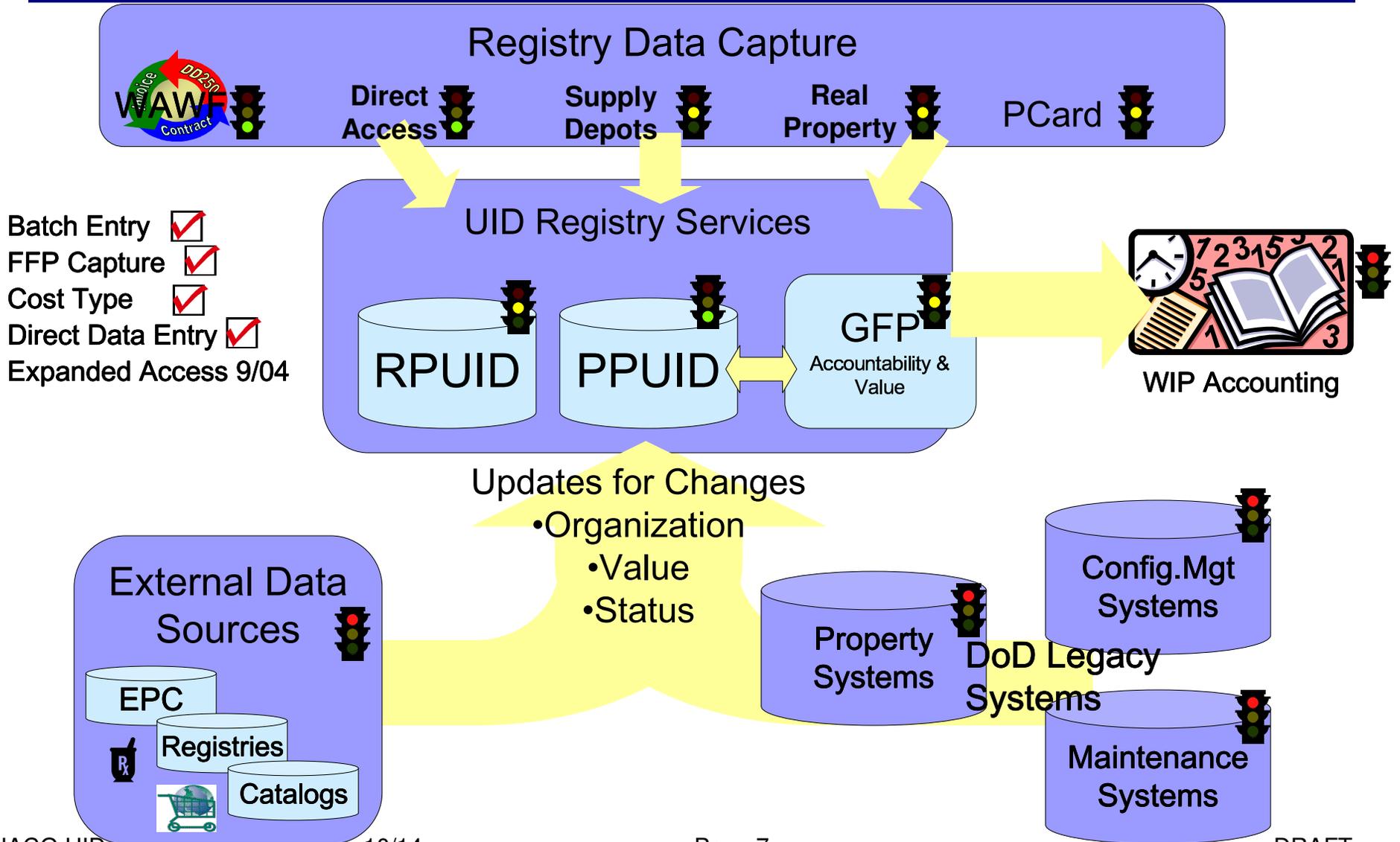


What we have learned about Property

- Cannot get clean audit or asset visibility without standardizing data and processes
- DoD has countless property management systems ranging from paper to automated systems, spanning accountability, maintenance, disposal, inventory, and distribution
- Currently personal property handoffs occur inconsistently (probably at least 75 different processes)
- Target three receipt and acceptance approaches – Will take five years to re-engineer all; deployment undetermined
 - ✓ Step one – DoD and Business Partners (Include GFP Registry)
 - ✓ Step two – Internal DoD
 - ✓ Step three – External Federal and Foreign
 - ✓ Step four – Real Property
- Re-engineering effort should be directed by AT&L for property



Property UID Systems Environment "To Be"





Reengineering Property Transfers

	Acceptance Point	Phase I Present-May 05	Phase II Oct 04-Jan 06	Phase III Oct 05-Sep 07	Phase IV Oct 06-Sep 08
External – Internal acceptance	Source and Destination	Dependent on completion of WAWF deployment			
External – Internal receipt and acceptance	Destination	Dependent on DSS-WAWF Integration			
Internal – External receipt and acceptance	Destination		GFP capture at WAWF or contractor		
Internal – Internal receipt	Destination			Integration w/Property Records	
Internal – Internal acceptance	Source and Destination				Captures & reconciles accountability transfer
External – Internal acceptance (Real Property)	On site				Integrating acquisition & real property records



Final UID DFARS Rule with Proposed Changes

◆ Requirement Clarifications

- Items under \$5K:
 - Equipment and reparable items when they are serially managed, mission essential, or controlled inventory
 - Material and consumable items when the requiring activity determines that permanent identification is required
- General requirement for commonly accepted commercial marks if UID not required - deleted
- Definitions added for Issuing Agency and Lot or Batch number
- Embedded items;
 - Any serially managed subassembly component, or part

◆ Exceptions Added

- Contingency operations
- Items acquired from a small business or under FAR Part 12 for commercial items, when –
 - More cost effective for the Government to assign, mark, and register the UID after delivery, and
 - HCA approves D&F (CAE for – ACAT I)



UID Training Campaign

- ◆ DAU/NDIA Sponsored Events
 - Oct 22, Defense Supply Center Philadelphia General and Industrial Supplier Expo – King of Prussia, PA
 - Dec 17, USSOCOM Conference and Exhibit – Tampa, FL
- ◆ NCMA Midwest Conference – Oct 28, University of Minnesota
- ◆ DoD Small Business Training Conference – Oct 26-28, Temecula, CA

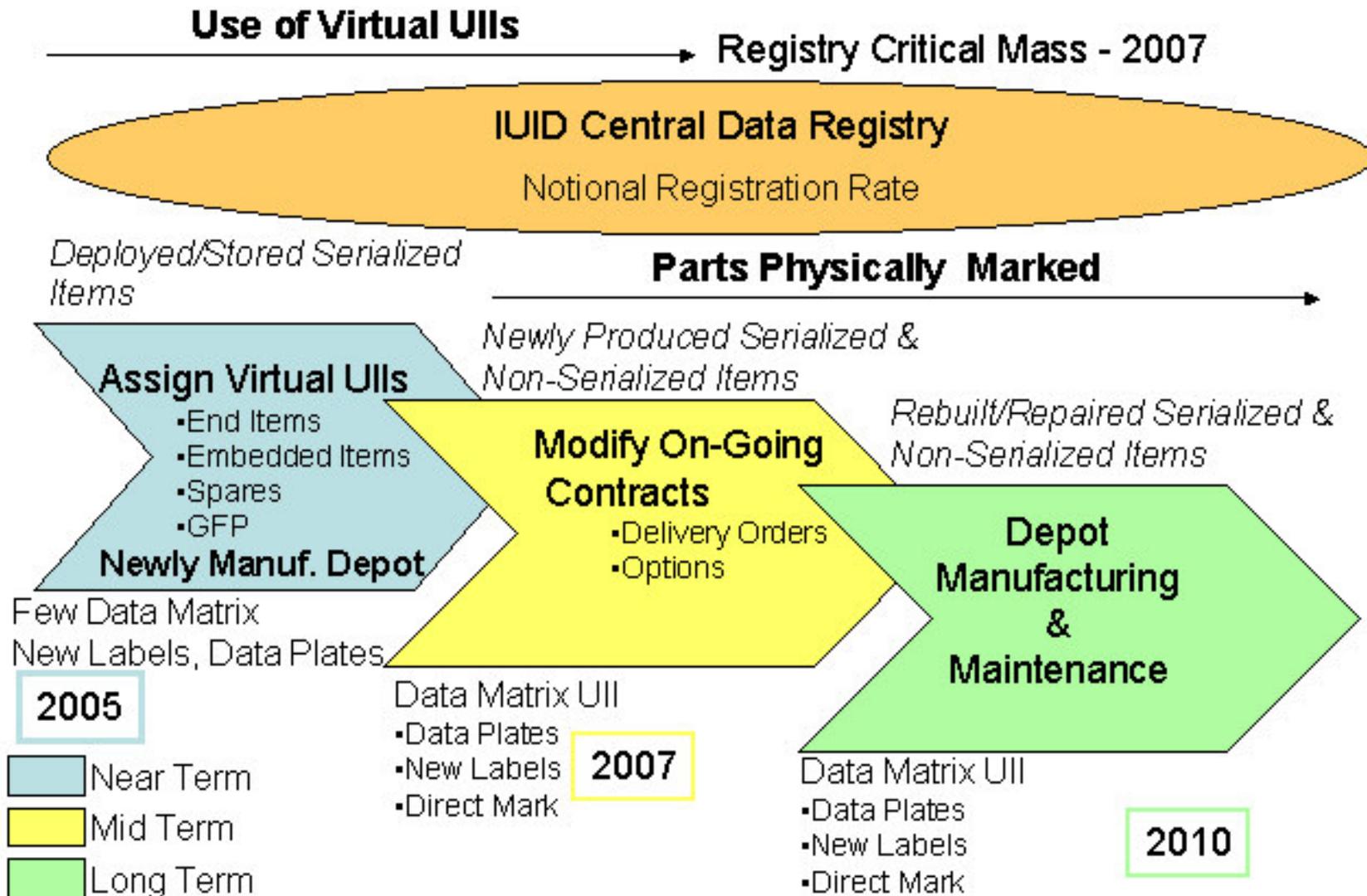


GFP Policy Priorities

- ◆ All GFP in the hands of contractors is serialized with a UID, either virtual or physical, no later than January 1, 2006.
- ◆ DCMA and the Components modify terms and conditions in contracts using block changes as facilities become UID capable.
- ◆ All solicitations issued after January 2006 contain UID provisions applied to prospective GFP
- ◆ Enhancement to applications should accommodate the business rules related to GFP UID items.



Legacy Policy Evolutionary Approach





Data Capture for Items in Use/Storage

A. Set Priority of IUID Application Scenarios

1. Globally serialized and tracked
2. Globally serialized and not tracked
3. Locally serialized and tracked
4. Should be serialized; should be tracked
5. Everything else

B. Assign Virtual UII in IUID Registry

1. Take scenario 1, 2 and 3 items and assign virtual UIIs using native unique serialization data elements

C. Physically Mark the Item

1. Put the assigned virtual UII physically on the item when it hits a scheduled trigger event, e.g., movement, modification, maintenance, or overhaul
2. For scenario 4 items, coincidentally construct the UII and physically mark them when they hit a scheduled trigger event

Use enterprise identifier of organization that assigns virtual UII

Resolve label versus direct part mark issues

Match strategies for each scenario to trigger events



Criteria for Assigning Virtual UIIs

Virtual Unique Item Identifiers (UIIs) will be established if -

- An item has an existing native unique serialized identity and qualifies for IUID
- The native serialized data (enterprise designation/part number/serial number/property control number), is permanently affixed to the item (e.g. contact memory button, 1D bar code, human readable data plate, etc)
- DoD or industry agree to identify the enterprise that will place the physical UII on the item prospectively
- That enterprise ID is used, in conjunction with the existing serialized identity (part number/serial number/property control number) to establish a "virtual UII" in the IUID registry
- To establish a "virtual UII" in the IUID registry, a minimum number of data fields must be entered by either the government or industry, establishing the item's pedigree
- The assigned virtual UII becomes the permanent UII for life and the eventual physical mark.
- Upon placing the permanent UII on the item, the IUID registry will be updated by the enterprise placing the UII on the item to indicate the UII is no longer virtual
- If the item is placed into the disposal process (i.e. for destruction purposes) the virtual UII will be used to track the item until destruction. No physical UII will ever be placed on the item in these circumstances



UID Registry Status

➤ **Implementation Timeline**

- ✓ Concept definition – Oct 03
- ✓ Development and Test – Nov 03 – May 04
- ✓ Production – May 04
- ✓ Move from DLIS domain to bpn.gov domain Sept 04

➤ **Functionality**

- ✓ Pedigree data capture for End Items
- ✓ Source data from vendors
 - WAWF Shipment Notification
 - Direct electronic
 - Web manual submission
- ✓ Current population
 - 126 UID records
 - 18 contracts
 - 17 unique CAGE codes



UID Registry Status (cont.)

- **Recent enhancements throughout UID submission flow**
 - ✓ Foreign currency indicator for unit cost
 - ✓ LD as IAC for DoDAAC
- **Future enhancements January 05**
 - ✓ Capability to capture embedded items (e.g., subassembly)
 - ✓ Capability to identify Government Furnished Property
 - ✓ Capability to capture type of mark
 - Virtual
 - Other unique marks
 - Sets environment for legacy item data capture
 - ✓ Government authorization and access to registry
- **Future enhancements – beyond January 05**
 - ✓ Reports
 - ✓ Location tracking
 - ✓ Alias association
 - ✓ Event status indicator
 - ✓ Electronic query (system to system interaction)



Next Steps

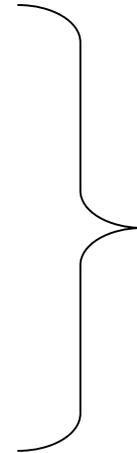
- ◆ **September 04**
 - ✓ USD (AT&L) issue legacy policy forecast
 - ✓ Refine plan to re-engineer receipt and acceptance
 - Develop plan to resource data strategy
- ◆ **October 04**
 - USD (AT&L) approve plan to resource data strategy (MID structure)
 - Refine master plan, timeline and resources to integrate UID for Real Property, Personal Property, and RFID
 - USD (AT&L) issue GFP UID policy
 - Staff revised directive on unique identity
- ◆ **November 04**
 - USD (AT&L) issue task to re-engineer receipt and accountability
 - USD (AT&L) strategy summit with SAEs and DCMA
- ◆ **December 04**
 - Issue Real Property UID Guidance
 - USD (AT&L) Legacy policy issuance



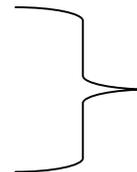
Roadmaps

DoD

- Distribution Centers & Depots
- Inventory Control Points
- DCMA
 - GFP
 - QA
 - Receipt & Acceptance
 - Address mid-909
- Program Managers
- Item Managers



Organizations



Roles and Resp.

Industry

- Small/Medium/Large Companies

AIS Roadmaps



Breakout Groups

Wednesday 10/13

Single Process Initiatives

Government Roadmaps (Acceptance Aspect)

Industry Roadmaps (Proposal Aspect)

Thursday 10/14

Quality Assurance



Supporting Documents



Action Items (June 9-10)

OPEN ACTION ITEMS

1. Develop strawman plan for corporate strategy to communicate with ACOs (Debra H.)
2. Develop set of recommendations for signature authority for SPIs (Debra H.) *in progress; document discussion*
3. Coordinate meeting of avionics folks at next GEIA meeting (Rob L.) *mtg week of 25 October*



Action Items (7/13-14)

OPEN ACTION ITEMS

1. Develop strawman/template/boilerplate for legacy item plans. (Max)
2. Review draft MIL-STD-130M and provide feedback to Rob L. (Rob L. to distribute).
3. Determine status of 129, and review 129 and 130 for consistency. (Lynn)
4. Identify applicable quality standards and marking verification – update first article inspection plan to include UID marking validation. (Debra)
5. Review decision flow developed by engine manufacturer group and provide comment to James. (Group)
6. Update UID Guide with the decision flow. (Max)
7. Develop list of UID actions for depot operations. (Tom M. and Eddie C., Navy POC).
8. Review Max's list of UID roadmaps and provide comments to Max. (Group)
9. Develop list of status code categories that are used for things throughout DoD (not the codes themselves). Ex. Demil status codes, GFP status codes, etc. Send to James. (Group)
10. Revise Industry roadmap (Chris Iaquinto)
11. Develop DCMA roadmaps
 1. R&A – Bruce & Dave
 2. GFP – James w/ GFP team
 3. QA – Debra



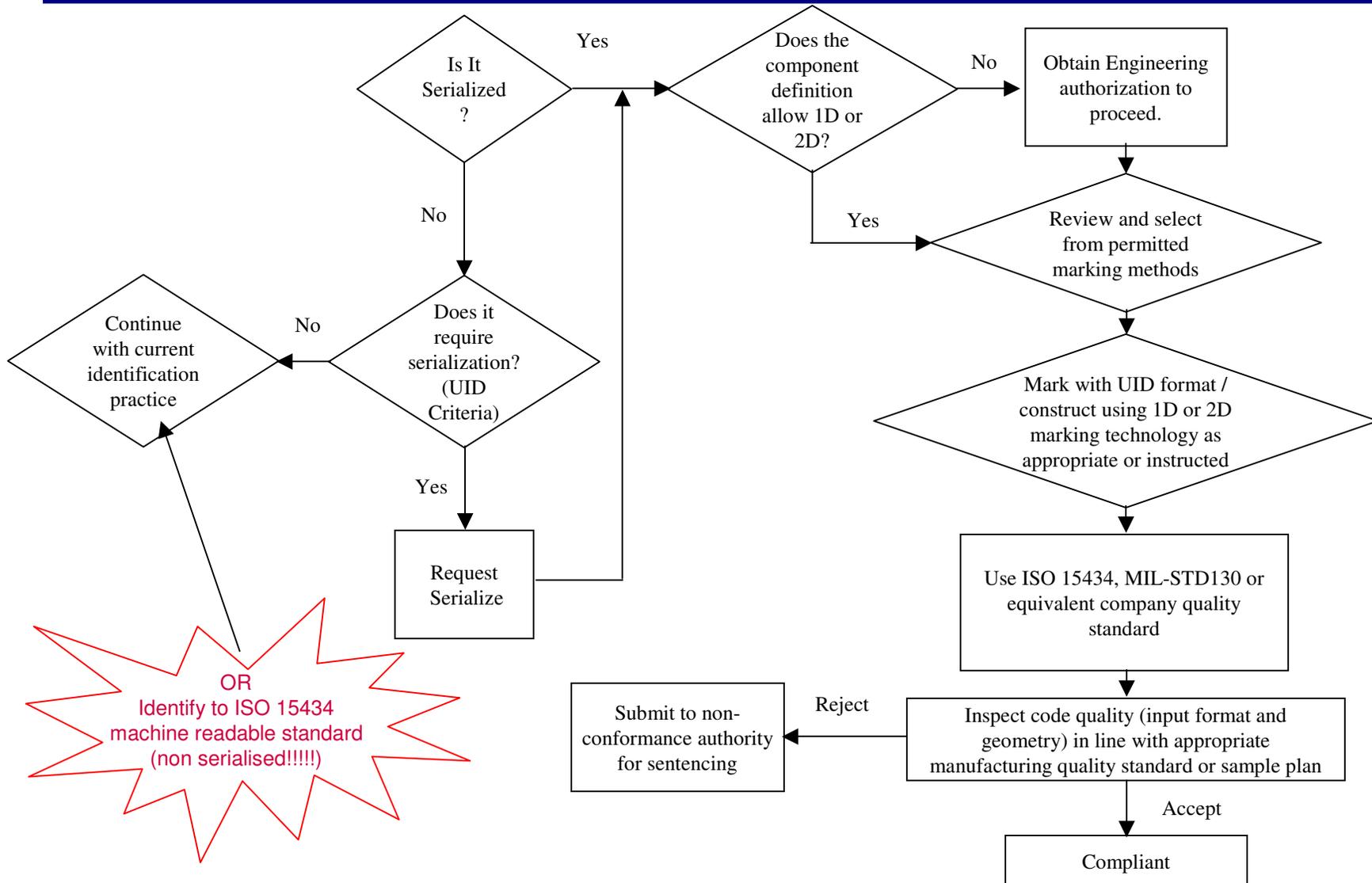
Action Items (7/13-14)

OPEN ACTION ITEMS

12. Review/revise Program Manager roadmap – Dean N.
13. Develop AIS roadmap – LeAntha, Maggie
14. Develop Item Manager roadmap – James/Item Management Working Group
15. Update UID CONOPS – UID Program Office
16. PBL roadmap – Mike
17. SPI Strategic Approach – Mike
18. Engineering Drawing Changes Best Practice Guidance Draft – Max
19. Research service-level engineering guidance for consistency – services & components



Decision Tree



OR
Identify to ISO 15434
machine readable standard
(non serialised!!!!)