



UID Program Plans

**JACG Working Group
13-14 October, 2004
UID PM Program Plan
Status
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Draft**



Topics

- ◆ Program Plan Formats
- ◆ Status - Virtual/Data Efforts with DA2410 for T-700



Program Plan - Requirements



Key Highlights of Proposed Policy Update Forecast

- ◆ Requests that the CAEs direct:
 - Program/item managers plan for UID legacy items in inventory/operation
 - Preparation of model program plans on a number of mission critical war fighting and combat support systems for submission by 11/04

- ◆ Plans target FY2007 as the point by which:
 - All existing serialized assets will be entered in UID registry
 - UID marking capabilities have been established such that marking can commence when equipment is returned for maintenance
 - Programs will have different levels of completion by 2010 based on maintenance and refurbishment schedules



UID Program Plan Requirements

- ✓ Plan to identify and mark with the UID mission-essential items first
- ✓ Identity of existing (e.g. plant equipment, spare and material) items serialized, tracked and marked uniquely. For this population of items discuss the approach to using virtual UIDs
- ✓ Criteria for and identification of embedded assets requiring UID (e.g. necessary to support maintenance strategy and inventory management)
- ✓ Identify expected technology for marking and reading required at identified marking/reading locations (e.g. depots, inventory control points, contractors) and associated business strategy
- ✓ Establish target dates for updating all sub-assemblies and end items with existing data plates
- ✓ Identify items that cannot be part marked until engineering assessment is complete and a plan to address these shortfalls



UID Program Plan Requirements, Cont'd

- ✓ Establish target dates for program plan updates to address business processes and data integration
- ✓ Describe the strategy and process for capturing product data for database entry ensuring integrating with planned/key automated information systems
- ✓ Identification of UID opportunities to improve or enhance business processes (e.g. beneficial suggestions)
- ✓ Forecast target level of completion by fiscal year through 2010 including projected trigger events for applying UID to existing items and planned program reviews



Planning Documentation



- **What Positive Results are we after?**
- **What and How do PMs submit Plans?**
- **What will the UID Program Office do with 1000s of Plans?**



Positive Response

- The planning process promotes the desired outcome



“What's in the Plans?”

- Essential Information
 1. System Description
 2. Re-Engineered Processes
 3. Schedules
 4. Resources



Description

System Description. Briefly describe the program UID system design, to include the following items:

1. Key features of the military system itself and related UID assets, hardware and software and the operational and logistical environment. Describe the automated weapon system environment (existing, enhanced or derived from implementation of the UID marking system). Identify any safety and mission critical systems and/or subsystems affected by UID implementation.
2. Interfaces with existing or planned systems that are required for mission accomplishment.
3. Overview of the current program manufacturing environment (Industry and/or Government) and current marking systems. Define the engine population
 - Quantities/location/depots/aircraft/stats/data
4. Overview of the Changed Business Environment as a result of UID implementation upon the system or enterprise



Re-Engineered Process

Re-engineered manufacturing or other government and/or industry enterprise process for production (including GFP) and legacy assets.

1. Old/New Marking System technology(process, location, physical method (ink, laser, peen, etc)), Recording of birth records, and process of transmittal of data to the registries. Diagram.
2. Describe the program UID constructs to be used throughout the program and/or enterprise and infrastructure required to implement UID within the subject program including, where applicable, modification or utilization of existing legacy AIS for UID capability and relational linkage.
3. Describe utilization of existing (legacy) serial number tracking programs to provide virtual UID within parent assemblies where applicable.
4. Describe critical safety and mission system performance environments and the methods by which such critical systems will be tested/verified in the operational environment to achieve a fully capable automated system. Identify the means of accreditation of test systems employed.
5. Describe the business process approach for organic and industry operations (including government property management) and contractual language to support opportunities to mark sub-assemblies, components and parts and GFP not yet marked with UID. Provide high-level responsibilities of key personnel within the program and/or organization involved in the implementation of the re-engineered process (Diagrams, charts, figures may be used as appropriate).



Schedule

Key milestones to full implementation of the program UID process. Show key milestones for transition to an automated maintenance/war-fighter support /asset management environment. Address the trigger events to be used by that program to mark equipment and forecast target level of completion by fiscal year.

		<u>FY Start Date</u>	<u>FY Complete Date</u>
1.0	Preparation Activities		
1.1	Priorities for application of UID and associated data transfer established (<i>specify on page 2</i>)		
1.2	Listing of items requiring UID completed for each application priority (<i>1.1 application categories...see page 2</i>)		
1.3	UID marking strategy studies and ROM estimates completed		
1.4	AIS integration strategy studies and ROM estimates completed		
1.5	Budget for UID implementation submitted		
2.0	Implementation/Execution Activities		
2.1	Legacy contracts (issued prior to 1 Jan 2004) modified		
2.2	Virtual UIDs Loaded into Registry		
2.3	Key Program trigger events (physical marking of items) identified		
3.0	Capability Achieved (physical marking & data transfers achieved unless otherwise noted)		
3.1	Full UID capability for new solicitations achieved		
3.2	Full UID capability for on-going contracts achieved		
3.3	Full UID capability for GFP in possession of contractors achieved (in-plant GFP – virtual)		
3.4	Full UID capability for items in operational use achieved		
3.5	Full UID capability for items in inventory achieved		
3.6	Full UID capability for depot maintenance for items achieved		
3.7	AIS – UID integration completed		



Resources

Provide a summary (preferably in a table or matrix format) of all key resources,

...both government and contractor, that will be used during the course of the program UID implementation.

Manpower/Personnel Training/Equipment. Estimate, by Fiscal Year the funding required to pay for the program UID transition costs for infrastructure manpower/personnel.

FY	FY1	FY 2	FY 3	FY 4
\$Infrastructure				
\$Manpower				
\$Training				



How?? Recommendation – step 1

Proposal

- Two Page Condensed Plan
- Web enabled - Drop Down Menus
 - Constrained to ensure simplicity – succinctness
- Electronically Submitted by PEO shops – Electronic Signature
- On-file on the UID web site
- ◆ Review Level - Role for UID PM Office
 - ACAT ID programs reviewed by UID PM Office?
 - Lower level Programs delegate to SAEs, PEOs?



How?? Recommendation – step 2

- ◆ Agree on Plan Essential Data Elements



How?? Recommendation – step 3

- ◆ Conclude Format
- ◆ Develop a Sample Condensed Plan to assist PMs
- ◆ Follow with Web Enabling



Back Up



UID Implementation Plan

Program System Name:
Program Manager Col Smith
Date:

Program Element: ABC123
 PEO ACC
 ACAT

		<u>FY Start Date</u>	<u>FY Comp Date</u>
1.0	Execution of Production Contract for UID		
	Modify legacy contracts prior to 1 Jan 2004		
1.1	Development of Legacy UID Mark Strategy (Studies, ROM Estimates)		
1.1.1	Development of AIS Integration Strategy (Studies, ROM Estimates)		
1.3	Implement Virtual UID Loading into Registry		
1.4	Submit Budget for UID Implementation		
1.5	Budget Execution span for UID Mark Implementation		
2.0	Key Program Trigger Events 1 for Legacy Marking (specify)		
2.N	Key Trigger Events N (up to 8)		
2.3	Legacy Plant Equipment UID		
2.4	AIS - UID Integration		
2.4.1	AIS - UID Update User Introduction		
3.0	Full System Implementation		

(250 words max – Succinct bulletized phrases acceptable – Total Plan 2 pages web based – PEO electronic signature) Briefly Describe Overall UID Integration Strategy to include marking of current and future contracts, marking of Legacy items and plant equipment. Describe Strategy for UID integration with Service/Program AIS. Budget submission date and amounts by Fiscal Year. List Metrics, Measures of success, business strategy, exit criteria for significant elements.

FY	FY1	FY 2	FY 3	FY 4
\$Infrastructure				
\$Manpower				
\$Training				



1.1 Established priorities for application of UID and associated data transfer: [insert priority number 1 (high), 2 (med), 3 (low), 4 (not applicable)]

- _____ New solicitations: Post Jan 2004.
- _____ On-going Contracts: Post Jan 2005.
- _____ GFP in possession of contractors: Post Jan 2005.
- _____ Operational Fleet: Post Jan 2005.
- _____ Assets in inventory: Post Jan 2005.
- _____ Assets in Depot Maintenance: Post Jan 2005

Exemptions or exclusions to the UID policy require approval by: _____ .

2.3 Identify Key Program trigger events (physical UID marking of items): *no more than 8*

_____ etc.