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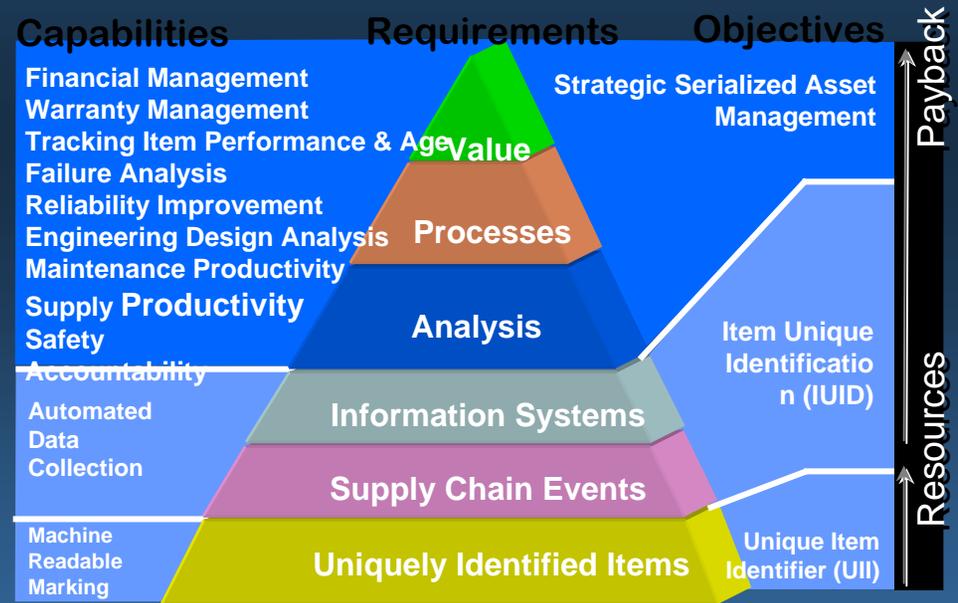
UID Update

April 2007



Topics

- Program Priorities
- Time Line on major efforts
- Reaffirm Memo
 - Program Plans
 - Major End Items
 - Other Stuff
- Item Management
- Registry Stats
- Vets Initiative
- Projects





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- IUID Training Institutionalization
 - AIDC Technologies - In Development
 - DoD Packaging, Handling, Storage And Transportation Program
 - In Development
 - Contracting Training Module – eBusiness Environment - Ready
- Focus: Connections, Marking, Tracking, Tracing, Managing - ***Re-affirm by USD AT&L – Released Feb 6th***
 - PM plan approval progress
 - Plans for new ACAT-1D programs – due 31 March 07
 - Quarterly updates for non-ACAT 1D plans due 5 Jan 07, 5 Apr 07, etc – **Reported to GAO**
 - Major end item serialization
 - APUID – Work in Progress
- Item Management
 - Directive 8230.aa – Awaits DepSecDef signature
- Vets
- Registry Stats
- Projects

https://learn.dau.mil - Mozilla Firefox

Progress Refresh Hide Table of Contents Close Window CLC033 - Contract Format and Structure for the DoD e-Business Environment ATLAS Pro

[Expand Tree] [Collapse Tree]

- CLC033
 - Contract Format and Structure
 - Module Introduction
 - Uniform Contract Format C...
 - Special Contract Structures
 - Line Item Structure
 - Exam
 - Survey

DAU Continuous Learning Center Contract Format and Structure
The Uniform Contract Format

Considerations for Section I, Cont.

Unique Identification in Contracts

The Department of Defense's Unique Identification (UID) program relies upon DoD contracting officers adhering to FAR and DFARS contract structure requirements so the [benefits of UID](#) can be realized. [Certain line items and subline items](#) require Item Unique Identification (IUID).

On the next screen we will cover "Do's" and "Don'ts" of UID compliance for contracts.



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Done learn.dau.mil

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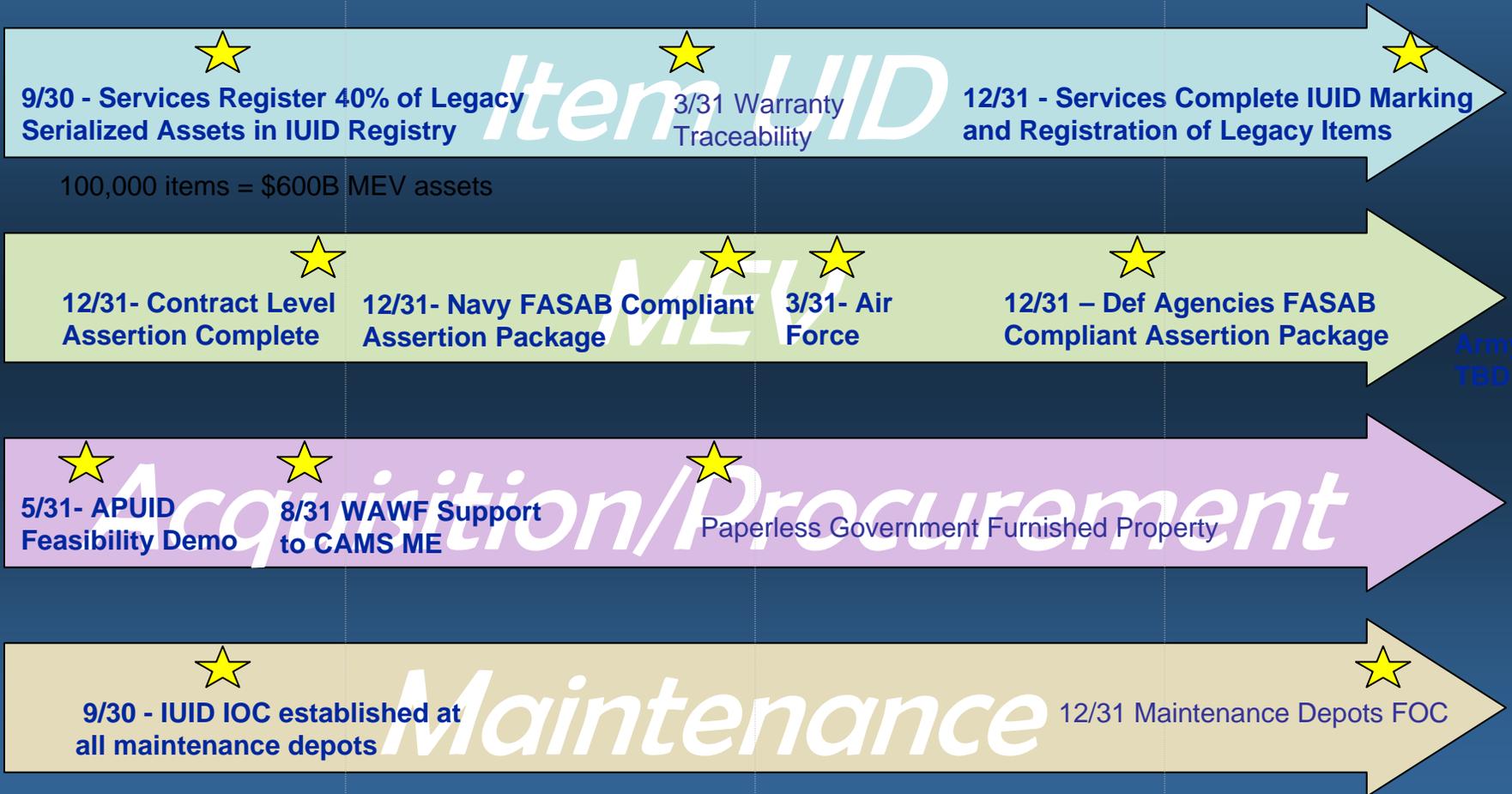
Integrated Timeline

2007

2008

2009

2010





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Reaffirm Memo 6 Feb 07 Key Points

- UID Implementation plans
 - Review your plans and updated annually as needed – They're all WIP!
 - Reports needed quarterly on updates, new filings etc....on going
 - Recently designated ACAT-1D Programs must provide a plan by March 31 2007 and 120 days after new designations

STATS Reported to GAO



ACAT 1D IUID Program Plan Status as of 29 Jan 2007*

| Service Branch | Total Program Plans | Total Complete | Percent Complete |
|--------------------------------------|---------------------|----------------|------------------|
| AIR FORCE TOTAL | 15 | 6 | 40% |
| ARMY TOTAL | 12 | 10 | 92% |
| Dept of NAVY TOTAL | 20 | 18 | 90% |
| USSOCOM TOTAL | N/A | N/A | N/A |
| Dept of Defense | 3 | 0 | 0% |
| Joint Ordinance Command Group | 1 | 1 | 100% |
| Missile Defense Agency | 6 | 6 | 100% |
| Chem DeMil Agency | 3 | 3 | 100% |
| TOTALS | 59 | 44 | 75% |

A12

UPDATE

ACA ITEC4, 3/7/2007



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NON ACAT 1D IUID Programs

NON ACAT 1D IUID Program Plan Status as of 29 January 2007

| Service Branch | Total Program Plans that Require Submission | Total Submitted | Percent Complete |
|---------------------------|---|-----------------|------------------|
| AIR FORCE TOTAL | 110 | 77 | 70% |
| ARMY TOTAL | 293 | 142 | 48% |
| Dept of NAVY TOTAL | 252 | 198 | 78% |
| USSOCOM TOTAL | 74 | 47 | 64% |
| TOTALS | 747 | 377 | 50% |



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Reaffirm Memo 6 Feb 07 Key Points

- Changes – Guidance on inputs to the IUID Registry (Virtual or actual) from 23 December 2004 memo – (Was all serialized assets by end of FY07)
 - Phase 1 assets – Major end items (aircraft, ships, tactical vehicles) incorporated NLT end of FY07
 - Phase 2 assets - Major sub systems (launchers, radars etc) NLT end of FY08
 - Phase 3 assets – Support and Test Equipment (GCSS-A, EOD Equipment) NLT end of FY09



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Examples Phase 1,2,3

| PEO | Program Name Phase 1 |
|-----|--------------------------|
| AVN | AH-1 Cobra |
| GCS | M198 Howitzer - Hardware |
| GCS | Abrams M1A2 |

| PEO | Program Name Phase 2 |
|------|----------------------|
| ASMD | Avenger |
| ILSC | Binocular |

| PEO | Program Name Phase 3 |
|--------|--|
| AMCOM | Test Equipment Modernization TEMOD |
| CS&CSS | Bailey Bridge System (Bridging) |
| CECOM | Flight Operations Central (AN/TSQ-70A) |

Check the Link for your system:

http://www.acq.osd.mil/dpap/UID/attachments/PhaseI-II-III-Program%20List_ver3-20070215.xls



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Major End Item Serialization

..... **to be loaded into the Registry by end of FY07 (eg: Ships, Tanks, Aircraft)**

“Mark Contents” field will have to be filled by the user with the type of data being recorded (e.g. USAF Number, Tail Number (aka Bureau Number), Hull Number; Type/Model/Series; Service). Release 3.4 will incorporate a drop down menu of choices NLT June 2007.

1. Contents field to capture government designator and serialization (Type/Model/Series, USA Number, BUNO, Ship Hull Number, etc)
2. Contents field to capture “Service” (Army, Navy, Air Force, USMC etc)
3. “Sets” to capture collocation of markings (Examples: data plate(s), external markings)

No change to the way we construct Ulls

Example Data Entries

USS Stennis, CVN-74

| Content | Value |
|------------------------|--------------|
| HULL NUMBER | 74 |
| TYPE DESIGNATION | CVN |
| SERVICE/AGENCY/COMMAND | USN |

For C-17A Globemaster, 950102

| Content | Value |
|------------------------|--------------|
| TAIL NUMBER | 950102 |
| TYPE DESIGNATION | C-17A |
| SERVICE/AGENCY/COMMAND | USAF |

For F/A-18E, 165896

| Content | Value |
|------------------------|--------------|
| BUREAU NUMBER | 165896 |
| TYPE DESIGNATION | F/A-18E |
| SERVICE/AGENCY/COMMAND | USN |

For M1A2 Tank, JZ00A9

| Content | Value |
|------------------------|--------------|
| USA NUMBER | JZ00A9 |
| TYPE DESIGNATION | M1A2 |
| SERVICE/AGENCY/COMMAND | USA |

For Sedan, Four Door, 95B34

| Content | Value |
|------------------------|------------------|
| USAF NUMBER | 95B34 |
| TYPE DESIGNATION | Sedan, Four Door |
| SERVICE/AGENCY/COMMAND | USAF |

For Mixer Concrete Portable 16 CU FT, 24-07627

| Content | Value |
|------------------------|----------------------------------|
| USN NUMBER | 24-07627 |
| TYPE DESIGNATION | Mixer Concrete Portable 16 CU FT |
| SERVICE/AGENCY/COMMAND | USN |



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WHY? A Couple of Reasons.....



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- The Problem (s):
 - The Department has redundant and concurrent serialization schemes
 - Contract receipt and acceptance item identification data may not match maintenance data
 - Update to the IUID Registry using maintenance data keys cannot be linked to UII records in some cases
 - Physically marked data may differ from system keys used and may not have been captured in existing systems
 - **Lifecycle management traceability cannot be achieved until this issue is resolved**
 - There are immediate requirements to achieve MEV by Sept 07
 - The IUID Registry has been identified as the only identification source for data in the Dept.
 - MEV has as its data key hull and tail numbers
 - **For the Dept. to execute the assertion process, specific assets must be directly linked to IUID'd items**



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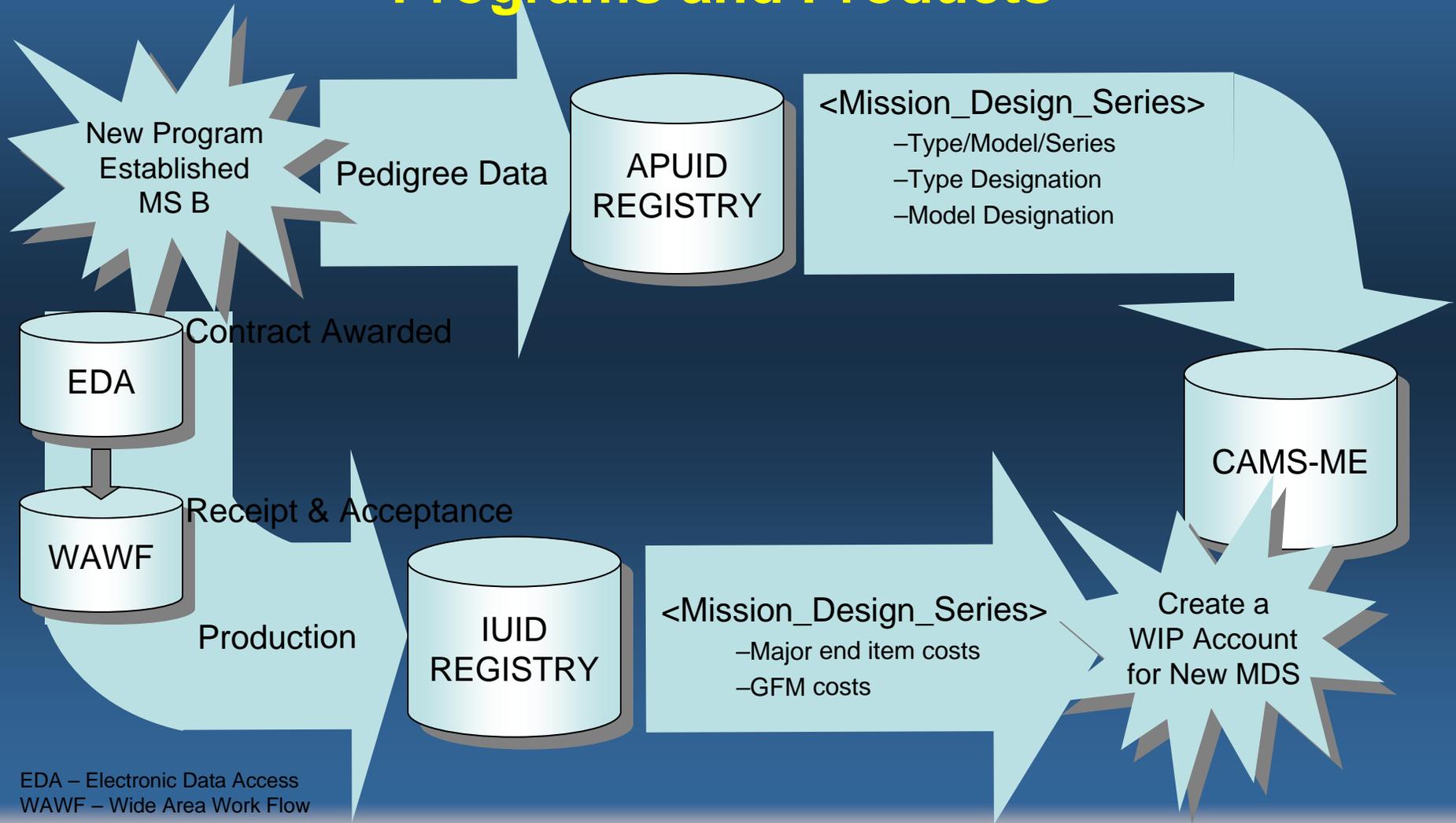
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Why APUID?

- QDR gap identified
 - There is no common way to link data on weapon/materiel systems in acquisition from one data source to another
 - Only ACAT ID programs are uniquely identified by OSD (AT&L)/ARA
 - Only Navy and Army have service acquisition program IDs
- APUID will be used to:
 - Establish a Unique ID for ALL ACAT programs in DOD (approximate population 4,000)
 - Flag contracts for Work in Process Accounts (Milestone C and beyond– Standard Financial Information System Requirement)
 - Trace the evolution of ACAT programs throughout their life cycle
 - Identify programs in property systems; Matrix Mgmt Tool and other resource systems



Mission Design Series is the Glue Between Programs and Products



EDA – Electronic Data Access
WAWF – Wide Area Work Flow



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Registry Ver 3.4 June 2007

- Facilitates Loading of End Item data to comply with the Reaffirmation Memo dated 6 Feb 2007
- Recommendation:
 - Collect your data
 - Wait till Ver 3.4 arrives to load phase 1

Practice Site - For practice only

"Records may be remove without prior notification"

UID

Item Unique Identification



UID

[Public Access](#)

[Controlled Access](#)

[Defense Procurement and Acquisition Policy - Unique Identification \(UID\)](#)

[DoD Guide to Uniquely Identifying Items v1.5 \(June 7, 2005\)](#)

[Program Manager Planning Roadmap v1.2 \(June 10, 2005\)](#)

[Help](#)

[User Manual](#)

[Version Changes](#)



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Reaffirm Memo 6 Feb 07 Key Points cont'd

- Format Code “12” replaces “DD” for TEIs
- Effective Feb 1st maximum allowable characters for UII is 50
 - Facilitates International and EFP system compatibility
- Warranty input to the Registry
- Update Mil Std 129 to leverage IUID



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Item Management

✓ Unique
ID

Item Tracking

Transaction Tracking
and Traceability

I + T =

Management

(Inventory, Maintenance, Financial,
Acquisition, Readiness)



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Unique Item ID Requirements

- DoD Directive 8230.aa, Unique Identification for a Net-Centric Department of Defense (Pending signature)
- DFARS 252.211-7003, Item Identification and Valuation (JUN 2005)
- MIL STD 130M DoD Standard Practice: Identification Marking of U.S. Military Property, 2 December 2005
 - MIL STD 130N revision in preparation
- MIL STD 129 (Pending)
- DoD 4100.39-M, Federal Logistics Information System (FLIS) Procedures Manual (Pending)
- Federal Aviation Reg (Code of Federal Regulations)



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Item Track and Traceability Requirements

- DoDI 5000.64, Accountability and Management of DoD-Owned Equipment and Other Accountable Property, Nov 2, 2006
- DoDD 4140.1, Supply Chain Material Management Policy, Apr 22, 2004
- DoDD 4151.18, Maintenance of Military Material, Mar 31, 2004
- DoD IG Auditor Access for Financial Statement Audits



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Item Track and Traceability Requirements

- DoD 4000.25M, Defense Logistics Management System (DLMS), Mar 10, 2003
- DoD 4161.2-M, DoD Manual for the Performance of Contract Property Administration, Dec 1991
- DODI 5000.2, Operation of the Defense Acquisition System, May 12, 2003
- DOD 7000.14-R, Department of Defense Financial Management Regulations (FMRS), Vol 1-15
- DoDD 8190.1, DoD Logistics Use of Electronic Data Interchange (EDI) Standards, May 5, 2000



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Item Management

- DFARS 252.245-7001, Reports of Government Property (Proposed Rule)
- DoD 4140.1-R, DoD Supply Chain Material Management Regulation, May 23, 2003 (under revision)
- DoDI 4161.2, Management, Control and Disposal of Government Property in the Possession of Contractors, Sep 26, 1997 (under revision)
- DoD I 4151.19 Dec 26, 2006 - Serialized Item Management



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DoD I 4151.19 Dec 26, 2006 - Serialized Item Management

- Instruction establishes a serialized item management program where the Military Departments and Defense Agencies:
 - Identify populations of selected items
 - Mark all items with UIIs
 - Generate, collect and analyze maintenance, logistics and usage data about each specific item



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Vets Initiatives (2)

- Veterans' Employment & Training Service
 - UID PMO commenced discussion with Department of Labor and Veterans Affairs on training of recently disabled vets with UID-RFID-AIT skills we expect to be needed for implementation of the Policy
 - Long Standing Effort provides grants to local veterans support groups for Training, Transition Support, Medical Prosthetics, Placement
 - Regular Grant Requests for Proposals released annually – Contact Kristine Mclaughlin



VETERANS CENTER *for* NEW TECHNOLOGY



The Veterans Business Resource Center was established in 2004 and is the first such center in the nation. It assists all U.S. military Veterans, Guard or Reserve members and active-duty personnel transitioning to civilian life to start businesses or expand existing companies. All services are at no cost to Veterans and include entrepreneurial training classes, loan application assistance and individual business counseling. The VBRC is a Project of the Veterans Advocacy Foundation, Inc., a nonprofit 501(c)(3) organization chartered in Missouri. Its core funding comes from the nonprofit public-private National Veterans Business Development Corp. of Washington, D.C. This core funding is supplemented by private industry donors including Emerson Electric Co., Enterprise Rent-A-Car Foundation, U.S. Bank, Commerce Bancshares Foundation, Midwest Bankcentre and the Dula Foundation as well as from individual Veterans and concerned citizens. For additional information, please visit www.vetbiz.com or call (314) 531-VETS (8387).



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Background

- An increasing number of military men and women are returning from the battlefield with disabilities and bleak employment prospects. The need is great for jobs paying an excellent wage to those disabled Veterans who have sacrificed so much for their nation.
- To meet that need, the Veterans Center for New Technologies was created. The Center's mission is to provide Career-oriented training in cutting-edge automatic identification technologies that are in tremendous demand in the public and private sectors. The Center will train disabled Veterans from across the nation in Data Matrix (DMx) Symbology, Radio Frequency Identification (RFID) and other state-of-the-art automatic identification methods



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- The Center's training is provided at no cost to the Veteran.
- During training, housing will be provided at no cost to the Veteran.
- An in-house Veterans Benefits Counselor will be provided.
- Special needs care will be available at the St. Louis Veterans Hospital and the VA Regional Office.
- The Center's goal is to place every graduate in a meaningful, well-paying job.
- The Center's goal is to graduate 200 disabled Veterans a year.
- Independent, entrepreneurial activities will be encouraged and supported. Assistance will be provided by the Veterans Business Resource Center to graduates interested in starting their own businesses.
- The program is open to disabled Veterans from across the nation.



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Contact the Veterans Advocacy Foundation

- 4236 Lindell Blvd., Suite 102
St. Louis, MO 63108 ([Map it](#))
Email: Heavey@vetbiz.com
314-531-VETS (8387)
Open 9 AM - 5 PM Monday - Friday



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Registry Statistics (as of 22 March 07)

- **1.3M Items registered**
- **500K+ Legacy**

* Based on size status in CCR

** Legacy and GFP Ulls often come in large batches and weekly rates for those are not meaningful



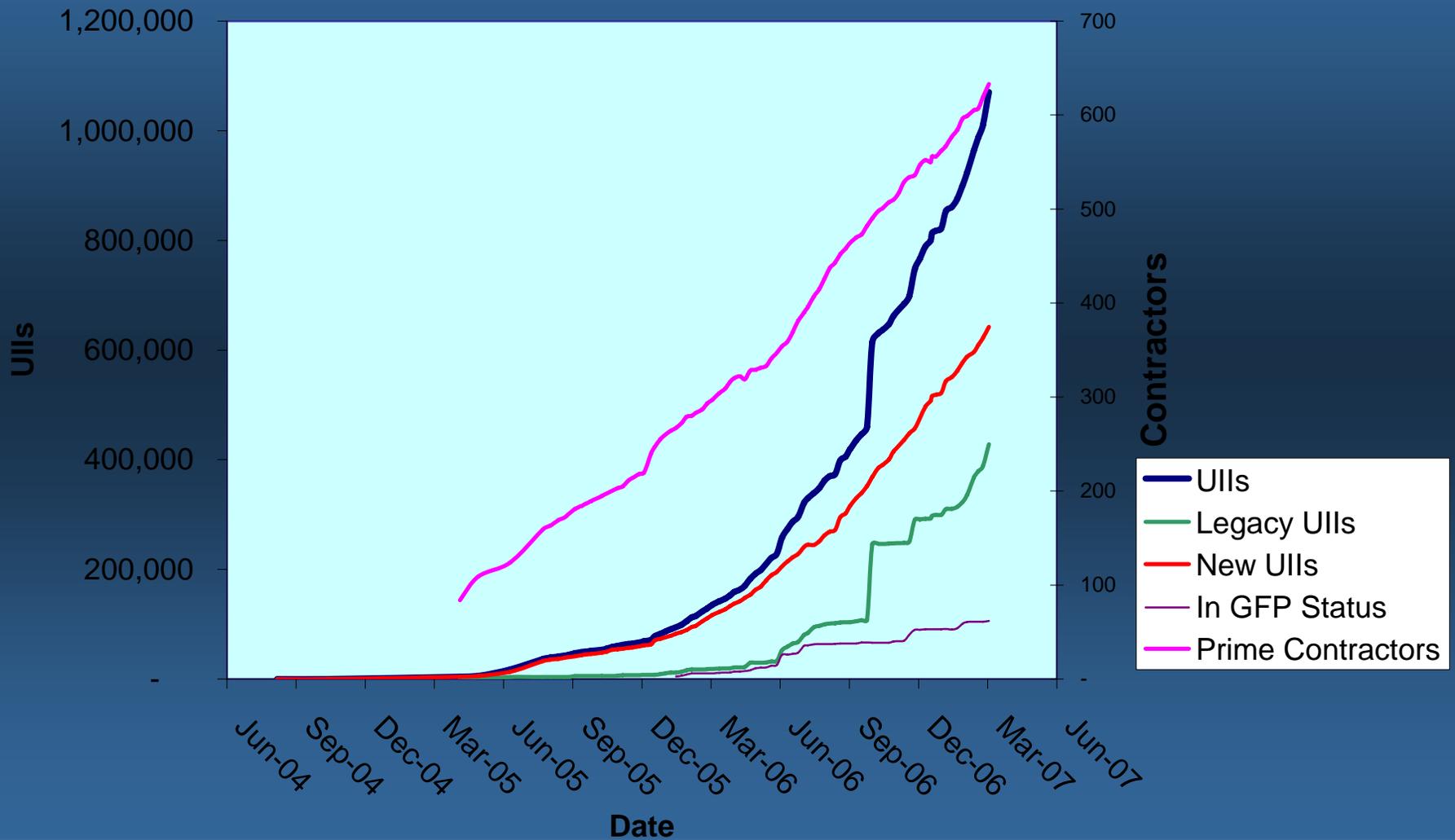
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IUID Registry Population





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UID Integration Projects

- ★ • Proliferate by doing
 - Technical Lessons Learned
 - Cost information
 - ROI information from the Processes
- Help Generate Momentum at participating Depots, Projects ,Services



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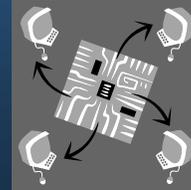
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Three Categories of Projects

1. UID Marking Pilots (10)



2. Integrated Data Pilots (7)



3. Service Level SNT-SIM-UID Transition (1)



Other - Hospital UID – RFID Pilot by MIT Healthcare
Research Initiative – Not Funded by DoD – Of Interest





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ELITE – PLCS – DEX Development (Completed)



Application of ISO0303AP239 and follow on Phases of the Electronic Logistics Information Trading Exchange (ELITE) to include UID data interface to the Registry & additional Navy, CCAD data exchange along with the current Sikorsky and Army DA2410 System current XML data exchange. Includes funding to NAVAIR and Redstone for organic support. **Production Follow-on Projects with NAVAIR and ARMY AV IMMC**

POC: Charlie Lord, UID PMO

Small Arms Marking at Anniston



End to end integration of UID marking and AIS/AIT to Anniston Army Depot M-9 and M-240 product lines to evaluate economics of service based approach.

POC: Mr. Phil Gunning, Soldier Wps, Phone No: (973) 724-5926 Email Address: Phillip.Gunning@us.army.mil

Standard Missile Marking and Serialized Item Management using UID as Enabler



Integrate UID technology into Standard Missile's Advanced maintenance Information System and perform real time SIM using UID technology

POC: Mr. Craig MacDougall, NSWC Corona, Ph (951) 273-4624; Email Address: craig.macdougall@navy.mil

Gage UID Pilot Project



Integrate USMC's Gage PM initiative to apply UII to all gages with NSWC Coronas Advanced Management Information System for support gage SIM

POC: Mr. Craig MacDougall, NSWC Corona, Ph (951) 273-4624; Email Address: craig.macdougall@navy.mil

APU UID on PBL at Cherry Point



NAVAIR will pursue applying UID technology to APUs that go through NADEP Cherry Point on a PBL with Honeywell

POC is Mike Breckon, NAVAIR Phone No: (301) 757-2670, Email Address: michael.breckon@navy.mil

Navy Cross Program Study for UID Implementation at Depots



Study the process of launching UID in the Navy and Marine Corps with the Depot's acting as single process initiators with the Program Offices they support

POC: Mike Breckon, NAVAIR Phone No: (301) 757-2670, Email Address: michael.breckon@navy.mil



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Direct Parts Marking Guide

Assemble, review and collate all existing data on applying direct part marks to various components and develop a standard direct parts marking guide for Gov't and Industry use.

POC: Chris Sautter, UAH Phone No. (256) 824-6147; Email Address: chris.sautter@uah.edu



CCAD UID Pilots for H-60 and H-47 (hyd shops, T-700)

CCAD to pilot applying UID technology to H-47 and H-60 components during overhaul process

POC: Chris Sautter, UAH Phone No. (256) 824-6147; Email Address: chris.sautter@uah.edu



DMLSS UID System ECP

Defense Medical Logistics Support System to develop the MHS UID policy and develop an implementation plan and implement engineering change proposals to modify DMLSS to enable the UII.

POC: Mr. Jon Sherman, Phone No:(703) 575-2398 Email Address: Jonathan.Sherman@tma.osd.mil



USMC 7 Ton Crane

Initiate UID on a land vehicle during overhaul at Maintenance Center, Albany

POC: James Gagnon, Phone No. (229) 639-5359 Email Address: james.gagnon@usmc.mil



USMC Legacy/Depot Parts Marking Pilots

USMC to mark fielded legacy system & a selected pilot system at the Barstow MB

POC: Steve Fraile: 843-218-4586 (DSN 588), frailes@spawar.navy.mil



Redstone UID Enhancement to TF160 MRC System

Integrates the Army Avn's new web based SNT program with UID – Registry interface

TF160 is the lead Army Aviation Unit for this effort

POC: Jimmy Cox: Phone No. 256 313 8969, jimmy.cox@amrdec.army.mil



UID Integration Project

Integration of data from existing legacy systems, including the Air Force Serialized Database, into the Air Force Knowledge Service (AFKS) & GCSS

Automatic update of UID information to the DOD Registry.

POC: Mr. Eddie Chase, Phone No. (937) 257-7186 Edwin.Chase@wpatb.af.mil



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TACOM Comprehensive

Multiple Tasks in support of UID marking and data use. Abrams parts marking at recap General Dynamics.

POC: Dr. Raj Iyer, Phone No. (586) 574-7186 ; Email Address: raj.iyer@us.army.mil



Navy IPO FMS Missile Tracking Project

Leverage Unique Identification (UID) asset information and generate shipping documentation and asset verification for missiles and other assets being sold, shipped and inventoried under Navy's Foreign Military Sales.

POC: Cdr Bill Hayes, Phone No. (703) 601 9737; Email Address: william.r.hayes@navy.mil



Navy Maintenance Figure of Merit (MFOM)

Integrate UID key with Tool developed by DON to calculate a material condition readiness value for equipment, systems, tasks, missions or the ship

POC: Mr. Dave Grefe, Phone No. (951) 273 5304; Email Address: david.grefe@navy.mil



STAMP – Hospital UID Project

To validate & implement DoD UID technology for civilian hospital applications

POC: Dr. In K. Mun MIT Health Research Initiative, Phone No. 305-582-7221, ikm1@MIT.EDU



TACOM – USMC Condition Based Maintenance

Evaluate use of IUID to tag conditioned based maintenance for components on the USMC LAV sense and respond Support system (Camp Pendleton)

POC: Mr. Bob Appleton, Phone No. (586)574-8368, Email Address: bob.appleton@us.army.mil

Site UID

Development/Integration of Site and Real Property UID Registries

POC: Mr. Craig Adams, ODUSD(I&E) Business Transformation, 703.604.5580, craig.adams@osd.mil



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Application of ISO Standard 10303 AP239 Product Life Cycle Support (PLCS)

Primary Goal

- Make more actionable information available to Warfighters faster by automating manual bottlenecks and producing interoperability between related systems.
- Make UID and the Maintenance Data More Useable
 - Write OnceUse Many Times



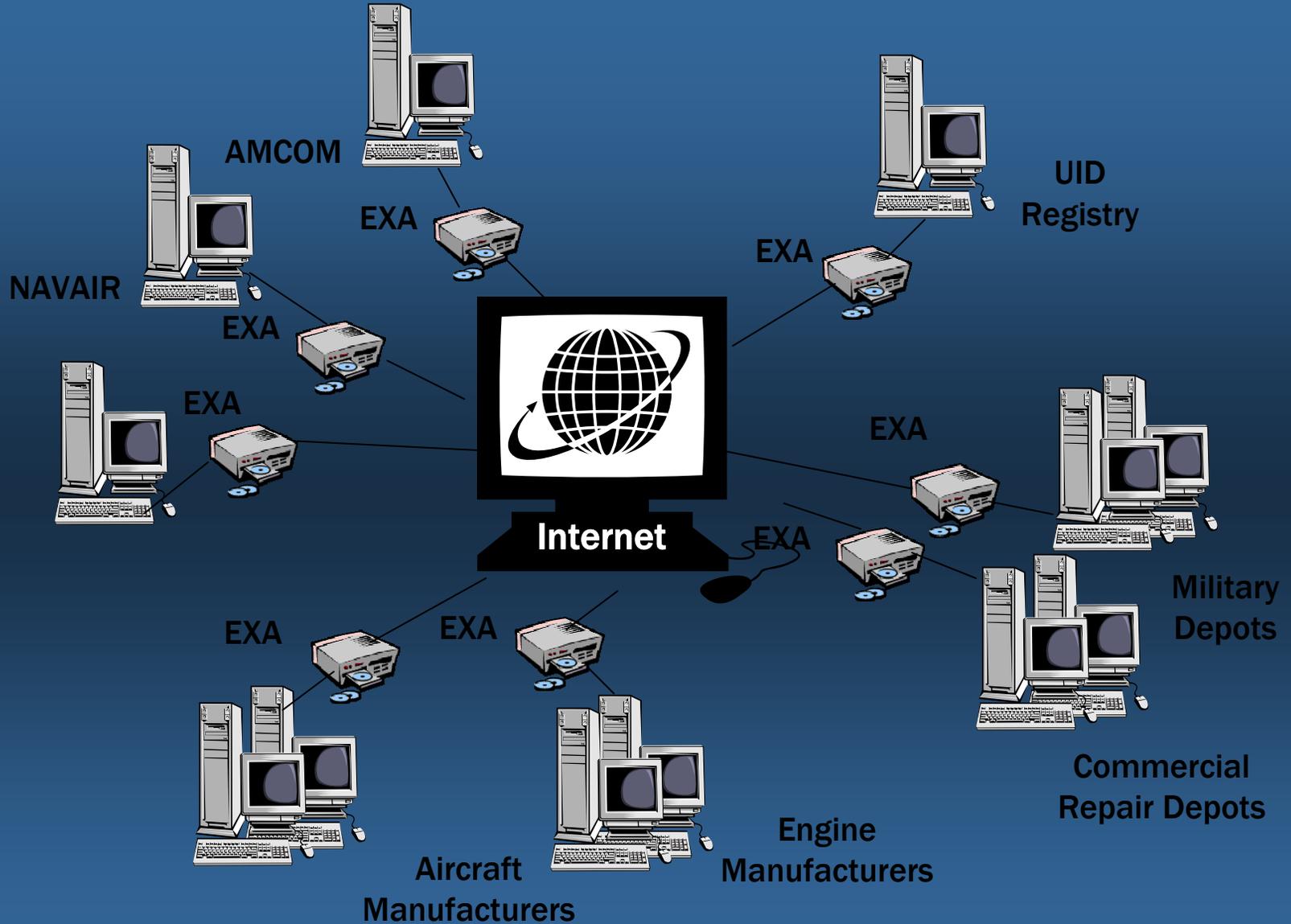
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Capabilities

Requirements

Objectives

Financial Management
Warranty Management
Tracking Item Performance & Age
Failure Analysis
Reliability Improvement
Engineering Design Analysis
Maintenance Productivity
Supply Productivity
Safety
Accountability

Automated
Data
Collection

Machine
Readable
Marking

Value

Processes

Analysis

Information Systems

Supply Chain Events

Uniquely Identified Items

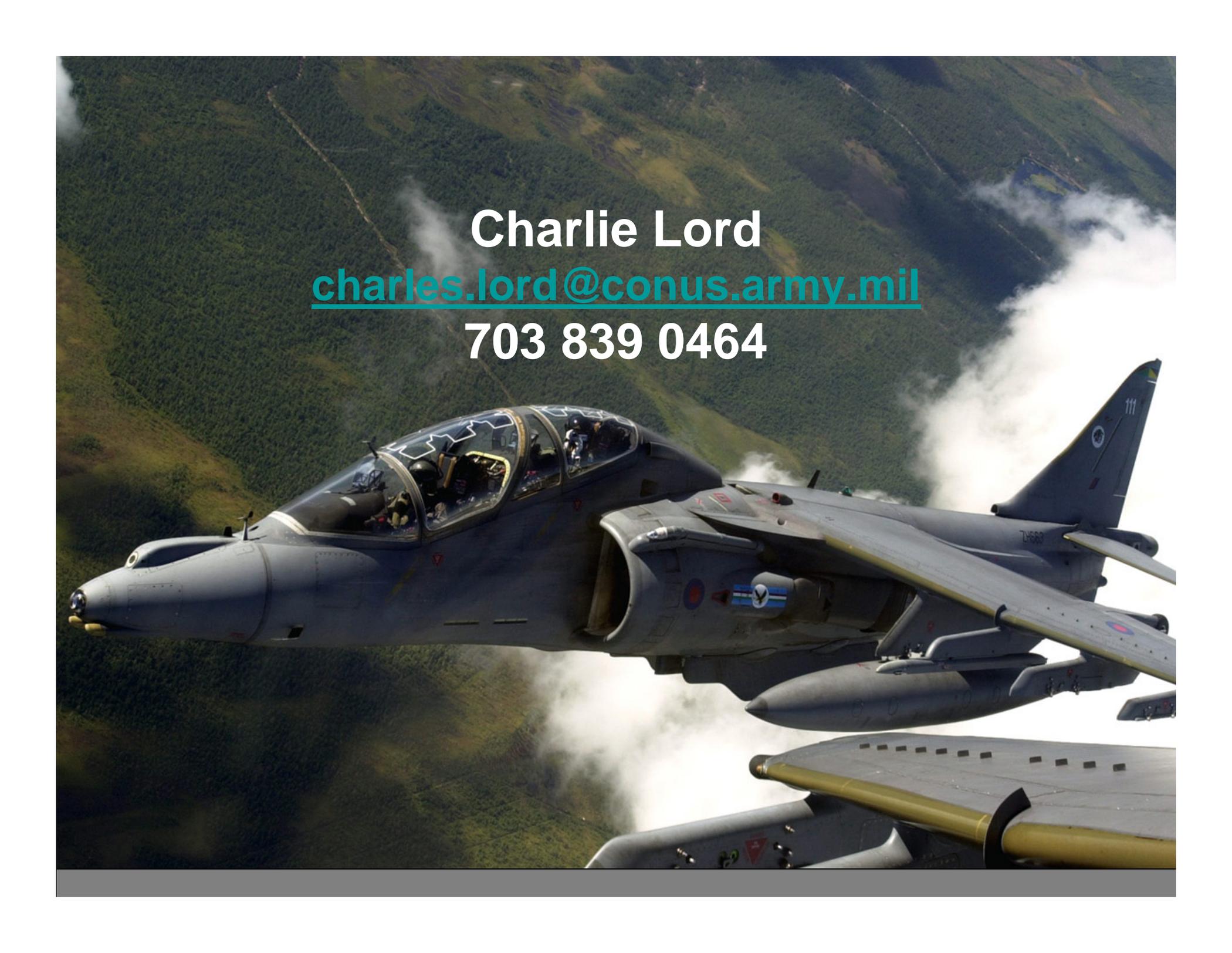
Strategic Serialized Asset
Management

Item Unique
Identification
(IUID)

Unique Item
Identifier (UII)

↑
Payback

↑
Resources

An aerial photograph of a military fighter jet, likely an F-16, flying over a lush, green, forested valley. The jet is viewed from a high angle, showing its cockpit with two pilots, its wings, and its tail. The tail fin has the number '111' and a circular insignia. The jet is flying through a layer of white clouds. The background shows a dense forest of green trees and a winding road or path through the valley.

Charlie Lord
charles.lord@conus.army.mil
703 839 0464