
Item Unique Identification
&
Automated Identification Technology
(IUID / AIT)

Informational Briefing
for
Contractors

Objectives

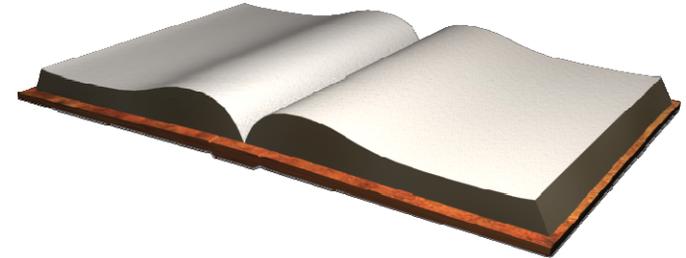
Understand the basics of Item Unique Identification

- **Who / What / When / Where / Why & How**
- **Item Unique Identifier 2-D Matrix**
- **Marking Format**
- **Implementation Plan**
- **Roles & Responsibilities**
- **Marking Capabilities**
- **DoD Registry**
- **Wide Area WorkFlow (WAWF)**

Policy & Regulations, Guides, National & International Standards, Directives and Regulatory Guidance

- **Reference OSD Web Site at:**

<http://www.acq.osd.mil/dpap/pdi/uid/index.html>



- **DFARS Clause**
- **AR 750-1** (Currently being revised to include the IUID Requirement)
- **DMWRs – Depot Maintenance Work Requirement**
- **NMWRs – National Maintenance Work Requirement**
- **DA PAM 700-85 Automatic Identification Technology (AIT) Integration Guide, 27 December 2000**
- **MIL-STD130**

OSD Web Site

The screenshot displays the OSD Web Site in a Windows Internet Explorer browser. The address bar shows the URL <http://www.acq.osd.mil/dpap/pdi/uid/index.html>. The page header features the DPAP logo and the text "Defense Procurement and Acquisition Policy" and "Defense Pricing". The main content area is titled "Unique Identification" and lists several topics with "Read More" links:

- Item Unique Identification Scorecard Briefings**: This page contains information regarding scorecard briefings within IUID. [Read More >>](#)
- Accounting and Valuation**: This page contains information regarding accounting and valuation within IUID. [Read More >>](#)
- Directives**: This page contains information regarding DoD issuances and directive-type memorandums used to convey DoD policies, responsibilities, and procedures. [Read More >>](#)
- Working Groups and Frequently Asked Questions (FAQs)**: This page contains a list of Working Groups and FAQs developed to aid the UID adoption and implementation efforts. [Read More >>](#)
- Implementation Guidance, Tools and Standards**: This page contains documents designed to assist in all phases of UID implementation. [Read More >>](#)
- IUID Registry**: This page contains important information regarding WAWF, data elements, data formats and FAQs related to the IUID Registry. [Read More >>](#)

The right sidebar contains a section titled "In This Section" with a link to "Up One Level". Below this is a circular logo for "ITEM UNIQUE IDENTIFICATION" and "IUID" with the tagline "ENHANCING LIFECYCLE TRACEABILITY". Underneath the logo is a section titled "Quick Compliance Tool Suite (QCTS)" with a description: "This automated tool has been designed for users to check the compliance of IUID marks via a web-based application. The QCTS can be accessed from: http://qcts.org/IUID_Compliance_Checker/". Below this is a "News" section with two entries: "February 3, 2012" (marked as "New!") regarding a "Register now for the 2012 UID Forum!" and "October 7, 2011" regarding a "Memorandum IUID Meeting Guide".

What is Item Unique Identification?

A system of distinguishing one object from another allowing DoD to track identical objects separately

What is an Item Unique Identifier?

A set of data that distinctly identifies an individual item from all other items.

A data set can be one of two constructs/formats:

- Construct 1 (Enterprise ID, Serial Number)
- Construct 2 (Enterprise ID, **Part Number**, Serial Number)
(TACOM prefers Construct 2 because of part number/vehicle system correlation)
- VIN – Vehicle Identification Number
- ESN – Electronic Serial Number – for cellular phones only



Microsoft Office
Excel Worksheet

The elements in either construct, when combined, make up a unique identifier and are housed in a 2-D Matrix (data matrix) that looks like this:



What is an Item Unique Identifier? (Continued)

The 2-D data matrix can be inscribed directly on:
an item, **a data plate** or a permanent machine-readable label affixed to an item or data plate.

Once an IUID is assigned, it will remain with an item throughout the life cycle of that item!

Marking Format

When you scan this



you get this



Construct 2 Data Content of 2-D Matrix for M9 Pistol

[>^R_S06^G_S17V8T257^G_S1PM9^G_SS1234567^R_S^E_O^T

1 2 3 4 5 6 7 8 9 10 11 12

- 1 = Message Header
- 2 = Format Indicator
- 3 = Data Element Separator (used between fields)
- 4 = CAGE/NCAGE Enterprise Identifier
- 5 = Contractor Number/Enterprise Number
- 6 = Data Element Separator
- 7 = Original Part Number Indicator
- 8 = Part Number
- 9 = Data Element Separator
- 10 = Serial Number
- 11 = End of Data Format Envelope
- 12 = End of Trail/End of Transmission

Why Do We Want To Identify Assets Using IUID?

IUID will:

- ✓ **tell us what we own**
- ✓ **tell us who has possession**
- ✓ **tell us the configuration (of the asset)**
- ✓ **help us with other technologies**
[Condition Based Maintenance Plus (CBM+)]
- ✓ **afford us consistency with inventory**
- ✓ **help us to accurately distribute assets to Guard and Reserve units**

All on a singular level!

The IUID Implementation Plan

- **What is an IUID Implementation Plan?**

- *It's a plan that tells us how you're going to get your system and components marked*

- **Who Needs an IUID Implementation Plan?**

- *You - if you manage a Class VII weapon system*

- **How do I make an IUID Implementation Plan?**

- *Coordinate with your PM, Item Managers, Engineers and ILSC IUID/AIT POCs*

- *Use one of two available templates*

- **Where do I find an IUID Implementation Plan template?**

- *Request a template from the ILSC IUID/AIT Team*

- *Go into SYSPARs through LOGSA at the following link:*

<https://www.logsa.army.mil/lec/>

The IUID Implementation Plan

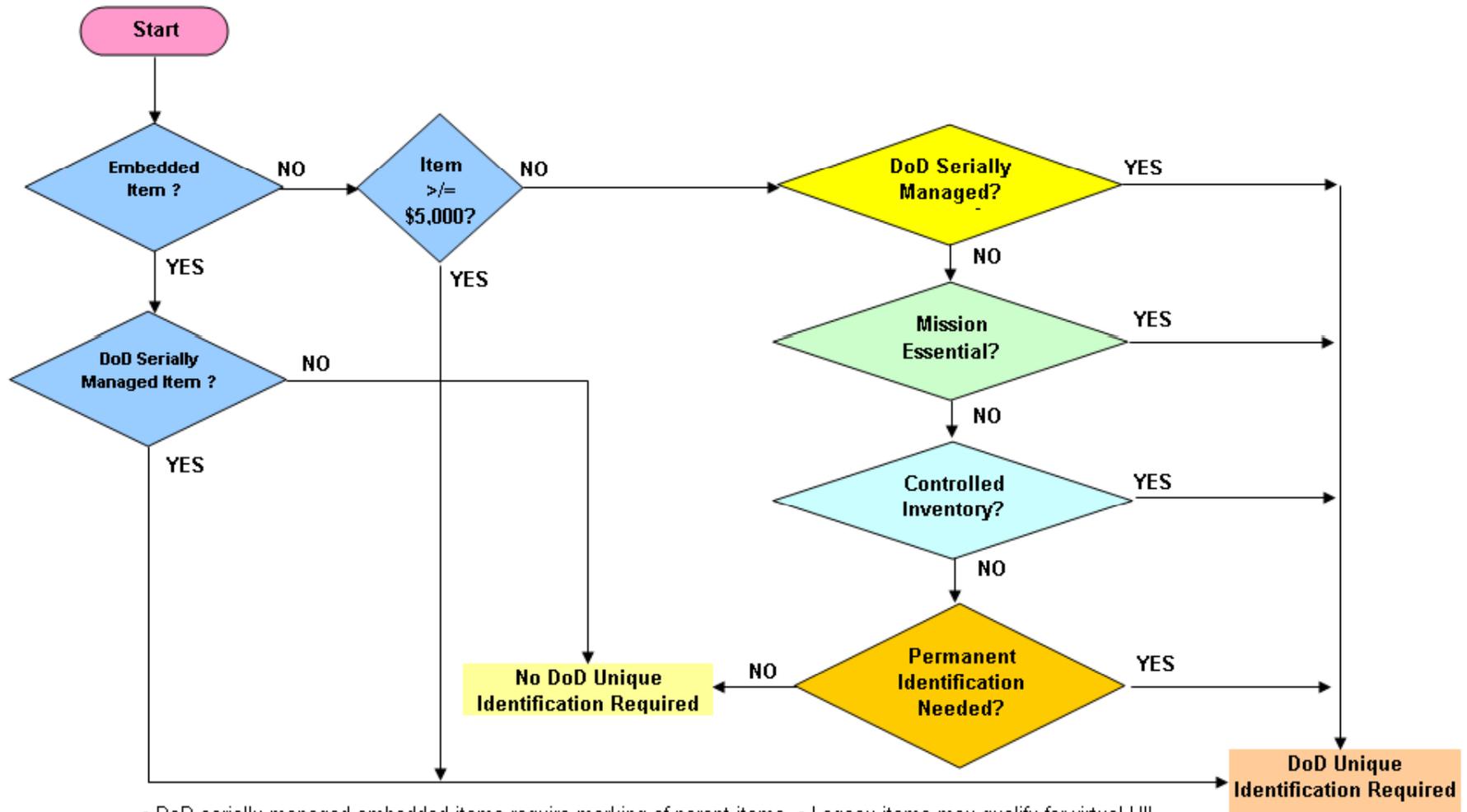
(Continued)

Things to Consider:

▪ **For New Systems**

- ✓ **Review the components that may meet the criteria during development of system**
- ✓ **Include the type and location of mark in the drawings for future buys and maintenance events**

Is IUID Required?



• DoD serially managed embedded items require marking of parent items • Legacy items may qualify for virtual UII

Reference: Department of Defense Guide to Uniquely Identifying Items,
 Assuring Valuation, Accountability and
 Control of Government Property
 Version 2.0
 October 1, 2008; <http://www.acq.osd.mil/dpap/pdi/uid/index.html>

Who Has Marking Capability

- **Letterkenny Army Depot**

- *Assisting sites without marking capability through “UIDworks” at the following Link:*
- *Supports both contractors and government entities*

<http://www.letterkenny.army.mil>

- **Commercial Off-the-Shelf Suppliers**

- *See list of Exhibitors who support the OSD IUID Forums*

<http://www.uidforum.com>

(look under Exhibitor listing)

The DoD Registry

- **The Official Data Base for all registered DoD Assets – *It's located at DLIS in Battle Creek, MI***
- **To access site you must register for a login and password at the following link: <https://www.bpn.gov/IUID/>**
- **The Registry allows you to monitor whether or not**
 - *assets are being registered*
 - *the data is correct*
 - *you're getting what you paid for*
- **When assets are not being marked, the marking is incorrect, or the contractor is not registering the assets**
 - *Utilize the Quality Deficiency Reporting System (QDR)*
 - *Request corrective action*
- **Bottom line – the data in this registry will be used throughout the life cycle of your weapon system – make sure it's correct!**

DoD Registry Web Site

IUID Website - Windows Internet Explorer

https://www.bpn.gov/iuid/default.aspx?AspxAutoDetectCookieSupport=1

IUID registry

File Edit View Favorites Tools Help

https://usagmi.army.mil/sites... IUID Website

IUID
Item Unique Identification

Item Unique Identification Registry

The UID 2009 Forum schedule has been released!
Click here for more information.

If you have questions regarding **policy issues**, please contact Customer Service at 877-376-5787 or by e-mail at defensepolicysupport@ebpsc.org

For IUID registry assistance please email IUID.helpdesk@bpn.gov or call 877-376-5787.

[Public Access](#) [Controlled Access](#)

click here to register

Defense Procurement and Acquisition Policy - Unique Identification (UID)

[DoD Guide to Uniquely Identifying Items](#)

[Program Manager Planning Roadmap](#)

[Help](#) [User Manual](#) [Version Changes](#)

E-GOV

Version 3.4.2

Please Read This Notice

Handicapped Accessible

bpnse
BUSINESS PARTNER NETWORK
Support Environment www.bpn.gov

Internet 100%

Wide Area WorkFlow

- **Electronic Invoicing System**

<https://wawf.eb.mil/>

- **Electronic DD250 (acceptance)**

- **Provides the Item Unique Identification Number to the DoD Registry**

- **Government makes an Electronic Payment to the Contractor**

- **Advantages**

- Shorter wait time for payment
- The Government pays only for goods accepted
- All data is collected at one time

- **Mandatory**

Summary

- **The Basics of IUID – Who/What/When/Where & How**
- **Policy, Regulation and Guidance**
- **Item Unique Identifier – Acceptable Data / Format and 2-Matrix**
- **Marking Format**
- **Implementation Plans**
- **IUID Criteria**
- **Who Has Marking Capability**
- **DoD Registry**
- **Wide Area WorkFlow (WAWF)**