

**Army Regulation 700-145**

**Logistics**

# **Item Unique Identification**

**Headquarters  
Department of the Army  
Washington, DC  
24 September 2012**

**UNCLASSIFIED**

# ***SUMMARY***

AR 700-145

Item Unique Identification

This new publication, dated 24 September 2012--

- o Assigns responsibilities for item unique identification planning and implementation (throughout).
- o Provides policy to institutionalize the use of item unique identification throughout the life cycle for items subject to item unique identification criteria (throughout).

## Logistics


### Item Unique Identification

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By Order of the Secretary of the Army:

RAYMOND T. ODIERNO  
*General, United States Army*  
*Chief of Staff*

Official:

  
JOYCE E. MORROW  
*Administrative Assistant to the*  
*Secretary of the Army*

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**History.** This publication is a new Department of the Army regulation.

**Summary.** This regulation implements key provisions of DODD 8320.03, DODI 8320.04, and DFARS 211.274–5 and prescribes Department of the Army policy and responsibilities for item unique identification that includes planning, acquiring, and sustaining item unique identification for Army managed items.

**Applicability.** This regulation applies to the Active Army, the Army National Guard/Army National Guard of the United

States, and the U.S. Army Reserve, unless otherwise stated.

**Proponent and exception authority.**

The proponent of this regulation is the Assistant Secretary of the Army (Acquisition, Logistics and Technology). The proponent has the authority to approve exceptions or waivers to this regulation that are consistent with controlling law and regulations. The proponent may delegate this approval authority, in writing, to a division chief within the proponent agency or its direct reporting unit or field operating agency, in the grade of colonel or the civilian equivalent. Activities may request a waiver to this regulation by providing justification that includes a full analysis of the expected benefits and must include formal review by the activity's senior legal officer. All waiver requests will be endorsed by the commander or senior leader of the requesting activity and forwarded through their higher headquarters to the policy proponent. Refer to AR 25–30 for specific guidance.

**Army internal control process.** This regulation contains internal control provisions in accordance with AR 11–2 and identifies key internal controls that must be evaluated (see appendix B).

**Supplementation.** Supplementation of this regulation and establishment of command and local forms are prohibited without prior approval from the Deputy Assistant Secretary of the Army (Acquisition Policy and Logistics) (SAAL–ZL), 103 Army Pentagon, Washington, DC 20310–0103.

**Suggested improvements.** Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) directly to the Deputy Assistant Secretary of the Army (Acquisition Policy and Logistics) (SAAL–ZL), 103 Army Pentagon, Washington, DC 20310–0103.

**Distribution.** This publication is available in electronic media only and is intended for command levels C, D, and E for the Active Army, the Army National Guard/Army National Guard of the United States, and the U.S. Army Reserve.

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## **Section I General**

### **1–1. Purpose**

This regulation prescribes the policy for item unique identification (IUID) in the Army. IUID facilitates information sharing between users at all levels within a net-centric environment by establishing a unique identity for materiel (including components) that require unique item traceability or handling. IUID supports Army modernization by improving business processes that include property accountability, property valuation, serialized item management (SIM), configuration management, and product life cycle management.

### **1–2. References**

Required and related publications and prescribed and referenced forms are listed in appendix A.

### **1–3. Explanation of abbreviations and terms**

Abbreviations and special terms used in this regulation are explained in the glossary.

### **1–4. Responsibilities**

Responsibilities are listed in section II of chapter 1.

### **1–5. Policy**

This policy—

- a.* Defines the criteria for items requiring IUID.
- b.* Assigns responsibilities for planning, marking items, and sustaining IUID marks within the Army.
- c.* Sets the policy for acquiring automatic identification technology (AIT) products to mark items and capture IUID data.
- d.* Applies to all government-owned materiel regardless of method of acquisition, current location, or custody arrangement.

## **Section II Responsibilities**

### **1–6. Assistant Secretary of the Army (Acquisition, Logistics and Technology)**

The ASA (ALT) will—

- a.* Establish and develop policies and goals for the Army IUID Program.
- b.* Designate the Deputy Assistant Secretary of the Army (Acquisition Policy and Logistics) (DASA (APL)) to serve as the approval authority for program IUID implementation plans, for which the ASA (ALT) in the capacity of the Army Acquisition Executive is the milestone decision authority (MDA), and acquisition category ID (see special abbreviations and terms) plans.
- c.* Ensure technical and functional integration and synchronization across assigned programs.
- d.* Monitor the Army IUID effort in coordination with other Army agencies to ensure effective implementation in accordance with Headquarters, Department of the Army requirements.
- e.* Ensure materiel developers (MATDEVs) plan, budget, and implement IUID programs for their assigned systems.

### **1–7. Assistant Secretary of the Army (Financial Management and Comptroller)**

The ASA (FM&C) will—

- a.* Review program and budget requests supporting IUID.
- b.* Provide oversight responsibility for technical aspects of IUID cost and economic analysis in the Army.
- c.* Develop input for the Army's Resource Formulation Guide for Army commands in support of program budget development process.
- d.* Develop cost estimates for programs that appear before the Army Systems Acquisition Review Council.
- e.* Ensure that cost estimates are available for review by Headquarters, Department of the Army staff.

### **1–8. Chief Information Officer/G–6**

The CIO/G–6 will provide functional policy and guidance on information technology systems and networks' use of IUID.

### **1–9. Deputy Chief of Staff, G–3/5/7**

The DCS, G–3/5/7 will—

*a.* Prioritize legacy equipment to be marked in support of MATDEVs; U.S. Army Materiel Command (AMC); Deputy Chief of Staff, G-4 (DCS, G-4); and Deputy Chief of Staff, G-8 (DCS, G-8).

*b.* Identify legacy items available for IUID marking through mobile marking teams in support of MATDEVs; AMC; DCS, G-4; and DCS, G-8.

#### **1-10. Deputy Chief of Staff, G-4**

The DCS, G-4 will—

*a.* Develop operational, Automated Information System (AIS), AIT, and SIM requirements needed to use IUID throughout the Army Enterprise, to include property accountability and management, supply, maintenance, transportation, and supporting logistics systems in coordination with the U.S. Army Training and Doctrine Command (TRADOC).

*b.* Ensure the unique item identifier (UII) or Department of Defense (DOD) IUID-approved equivalents are used in all unique item tracking, serial number tracking, and SIM programs.

*c.* Resource IUID requirements and implementation strategies to ensure commonality and interoperability with all AIT infrastructure requirements and IUID data management.

*d.* Develop supply, maintenance policy, and business processes needed to use IUID, correct two-dimensional (2-D) mark deficiencies (missing or damaged marks), and sustain applied marks throughout the Army Enterprise.

*e.* Maintain oversight of IUID planning and implementation in the operational environment: Army depots, arsenals, and National Maintenance Program providers.

*f.* Develop a data management strategy for IUID.

*g.* Oversee marking by AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.

*h.* Develop plans to facilitate legacy item marking and registration in the DOD IUID Registry in coordination with appropriate MATDEVs, AMC, and item managers.

*i.* Ensure IUID resource requirements are identified in the program objective memorandum (POM) and applicable budget requests for legacy items.

*j.* Coordinate integration of supply-chain business processes with the Defense Logistics Agency.

*k.* Ensure the product manager Joint-automatic identification technology (PM J-AIT) is used as a central source for AIT products and technical expertise.

*l.* Develop input for the Army's Resource Formulation Guide for Army commands in support of program and budget development processes.

#### **1-11. Deputy Chief of Staff, G-8**

The DCS, G-8 will—

*a.* Transition approved Army requirements from the planning to the programming phase of the Planning, Programming, Budgeting, and Executing System.

*b.* Develop and defend the Army POM, Future Year Defense Program, and the independent assessment, integration, and synchronization of the Army program objective.

#### **1-12. Assistant Chief of Staff for Installation Management**

The ACSIM will—

*a.* Provide planning guidance, direction, control, oversight, and support necessary to the U.S. Army Installation Command and AMC to ensure that IUID is implemented throughout the life cycle for noncentrally managed items, installation procured items, and items managed at the installation level.

*b.* Coordinate legacy item marking requirements with AMC, DCS, G-4, and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.

*c.* Identify IUID resource requirements in the POM and applicable budget requests.

*d.* Ensure that PM J-AIT is used as a central source for AIT products and technical expertise.

*e.* Provide standard Armywide guidance, direction, control, oversight, and support necessary to ensure that standard IUID is implemented for tenant purchased nontable of equipment items.

#### **1-13. The Surgeon General**

TSG will—

*a.* Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for medical (Class VIII) materiel.

*b.* Coordinate legacy marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.

*c.* Identify IUID resource requirements in the POM and applicable budget requests.

- d. Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

#### **1–14. Chief of Engineers**

The COE will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for COE-managed items subject to IUID criteria.
- b. Coordinate with applicable MATDEVs in planning IUID for MATDEV-managed items.
- c. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- d. Identify IUID resource requirements in the POM and applicable budget requests.
- e. Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

#### **1–15. Chief, Army Reserve**

The CAR will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for U.S. Army Reserve-managed items subject to IUID criteria.
- b. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- c. Identify IUID resource requirements in the POM and applicable budget requests.
- d. Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

#### **1–16. Chief of Chaplains**

The CCH will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for Army chaplaincy-managed items subject to IUID criteria.
- b. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- c. Identify IUID resource requirements in the POM and applicable budget requests.
- d. Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

#### **1–17. Commanding General, U.S. Army Materiel Command**

The CG, AMC will—

- a. Develop installation, industrial base, and depot IUID marking and registering infrastructure.
- b. Establish DOD IUID Registry process control guidance.
- c. Ensure that AMC industrial facilities plan and develop IUID marking capabilities in coordination with applicable MATDEVs.
- d. Manage nonrecurring engineering technical data requirements for IUID.
- e. Serve as the Army’s primary point of contact for IUID quality matters and develop and implement guidance and procedures for effective IUID quality management.
- f. Ensure Army organic depots, arsenals, and the National Maintenance Program use IUID in their industrial, warehousing, and distribution processes.
- g. Ensure life cycle management commands develop IUID implementation plans and execute requirements for items they manage (no longer MATDEV-managed).
- h. Establish an IUID management support office and repository for Army IUID implementation plans.
- i. Establish and maintain an Army IUID warehouse capability that interfaces with the Logistics Information Warehouse, Property Book Unit Supply Enhanced, and DOD IUID Registry.

#### **1–18. Commanding General, U.S. Army Space and Missile Defense Command/U.S. Army Strategic Command**

The CG, USASMDC will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for USASMDC-managed items subject to IUID criteria.
- b. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- c. Identify IUID resource requirements in the POM and applicable budget requests.
- d. Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

#### **1–19. Commanding General, U.S. Army Corps of Engineers**

The CG, USACE will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for USACE-managed items subject to IUID criteria.
- b. Coordinate with applicable MATDEVs in planning IUID for MATDEV-managed items.
- c. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- d. Identify IUID resource requirements in the POM and applicable budget requests.
- e. Ensure that PM J-AIT is used as a central source for AIT products and technical expertise.

#### **1–20. Commanding General, U.S. Army Intelligence and Security Command**

The CG, INSCOM will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for INSCOM-managed items subject to IUID criteria.
- b. Coordinate with applicable MATDEVs in planning IUID for MATDEV-managed items.
- c. Ensure that Defense Federal Acquisition Regulation Supplement (DFARS) Clause 252.211–7003 is incorporated in all new contracts and existing contracts for items as provided in DFARS Clause 211.274–5.
- d. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- e. Identify IUID resource requirements in the POM and applicable budget requests.
- f. Ensure that PM J-AIT is used as a central source for AIT products and technical expertise.

#### **1–21. Commanding General, U.S. Medical Command**

The CG, MEDCOM will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for MEDCOM-managed items subject to IUID criteria.
- b. Coordinate with applicable MATDEVs in planning IUID for MATDEV-managed items.
- c. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- d. Identify IUID resource requirements in the POM and applicable budget requests.
- e. Ensure that PM J-AIT is used as a central source for AIT products and technical expertise.

#### **1–22. Commanding General, U.S. Army Special Operations Command**

The CG, USASOC will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for USASOC-managed items subject to IUID criteria.
- b. Coordinate with applicable MATDEVs in planning IUID for MATDEV-managed items.
- c. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- d. Identify IUID resource requirements in the POM and applicable budget requests.
- e. Ensure that PM J-AIT is used as a central source for AIT products and technical expertise.

#### **1–23. Commanding General, U.S. Army Training and Doctrine Command**

The CG, TRADOC will—

- a. Develop operational, AIS, AIT, and SIM requirements needed to use IUID throughout the Army Enterprise (to include property accountability, supply, maintenance, and logistics systems, and deployment and distribution systems) using the Joint Capabilities Integration and Development System in coordination with the DCS, G–4.
- b. Develop IUID training requirements for tactical Army operations.
- c. Ensure IUID training is included in appropriate programs of instruction.

#### **1–24. Commanding General, U.S. Army Medical Research and Materiel Command**

The CG, USAMRMC will—

- a. Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for USAMRMC-managed items subject to IUID criteria.
- b. Coordinate with applicable MATDEVs in planning IUID for MATDEV-managed items.
- c. Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- d. Identify IUID resource requirements in the POM and applicable budget requests.
- e. Ensure that PM J-AIT is used as a central source for AIT products and technical expertise.



## **1–25. Chief, National Guard Bureau**

The CNGB will—

- a.* Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for Army National Guard-managed items subject to IUID criteria.
- b.* Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure is used efficiently and is not duplicated.
- c.* Identify IUID resource requirements in the POM and applicable budget requests.
- d.* Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

## **1–26. Program Executive Officers**

The Program Executive Officers will—

- a.* Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for assigned programs (new acquisitions and legacy).
- b.* Ensure that DFARS Clause 252.211–7003 is incorporated in all new contracts and existing contracts for items as provided in DFARS Clause 211.274–5.
- c.* Identify IUID resource requirements in the POM and weapon system reviews.
- d.* Ensure that subordinate program managers develop IUID implementation plans that align with Army policy and guidance.
- e.* Review acquisition category I program IUID implementation plans annually to determine impacts from program and policy changes and adjust, as necessary.
- f.* Review and approve program IUID implementation plans for programs for which the program executive officer is the MDA.

## **1–27. Program managers**

The program managers will—

- a.* Provide planning guidance, direction, control, oversight, and support necessary to ensure that IUID is implemented throughout the life cycle for assigned programs (new acquisitions and legacy).
- b.* Ensure that DFARS Clause 252.211–7003 is incorporated in all new contracts and existing contracts for items as provided in DFARS Clause 211.274–5.
- c.* Identify IUID resource requirements in the POM and weapon system reviews.
- d.* Develop IUID implementation plans that align with Army policy and guidance and obtain approval from the assigned MDA at the next acquisition milestone.
- e.* Review program IUID implementation plans annually to determine impacts from program and policy changes.
- f.* Develop IUID requirements for their assigned systems using a systems engineering approach compliant with IUID policy.
- g.* Maintain internal records sufficient to support cost analyses.
- h.* Include IUID planning as part of supportability integrated process teams.
- i.* Coordinate legacy item marking requirements with AMC and other applicable government activities to ensure marking infrastructure can support IUID implementation, is used efficiently, and is not duplicated.
- j.* Ensure that PM J–AIT is used as a central source for AIT products and technical expertise.

## **Chapter 2**

### **Item Unique Identification Definitions**

#### **2–1. Item unique identification**

IUID is the process of assigning an UII to personal property items in DOD inventory and physically marking the items with a 2–D data matrix mark that contains the UII. Personal property includes materiel systems, equipment, materials, and supplies. Real property (land and improvements to land (facilities)) and records of the Federal Government are excluded (see DODI 5000.64). Once an item is marked, the 2–D mark can be scanned with an AIT device and linked to an AIS. The UII can then be associated with data about the item throughout that item’s life cycle for improved product life cycle management, property accountability and management, financial transparency, and valuation. All UIIs are to be registered in the DOD IUID Registry once assigned to an item and upon government acceptance.

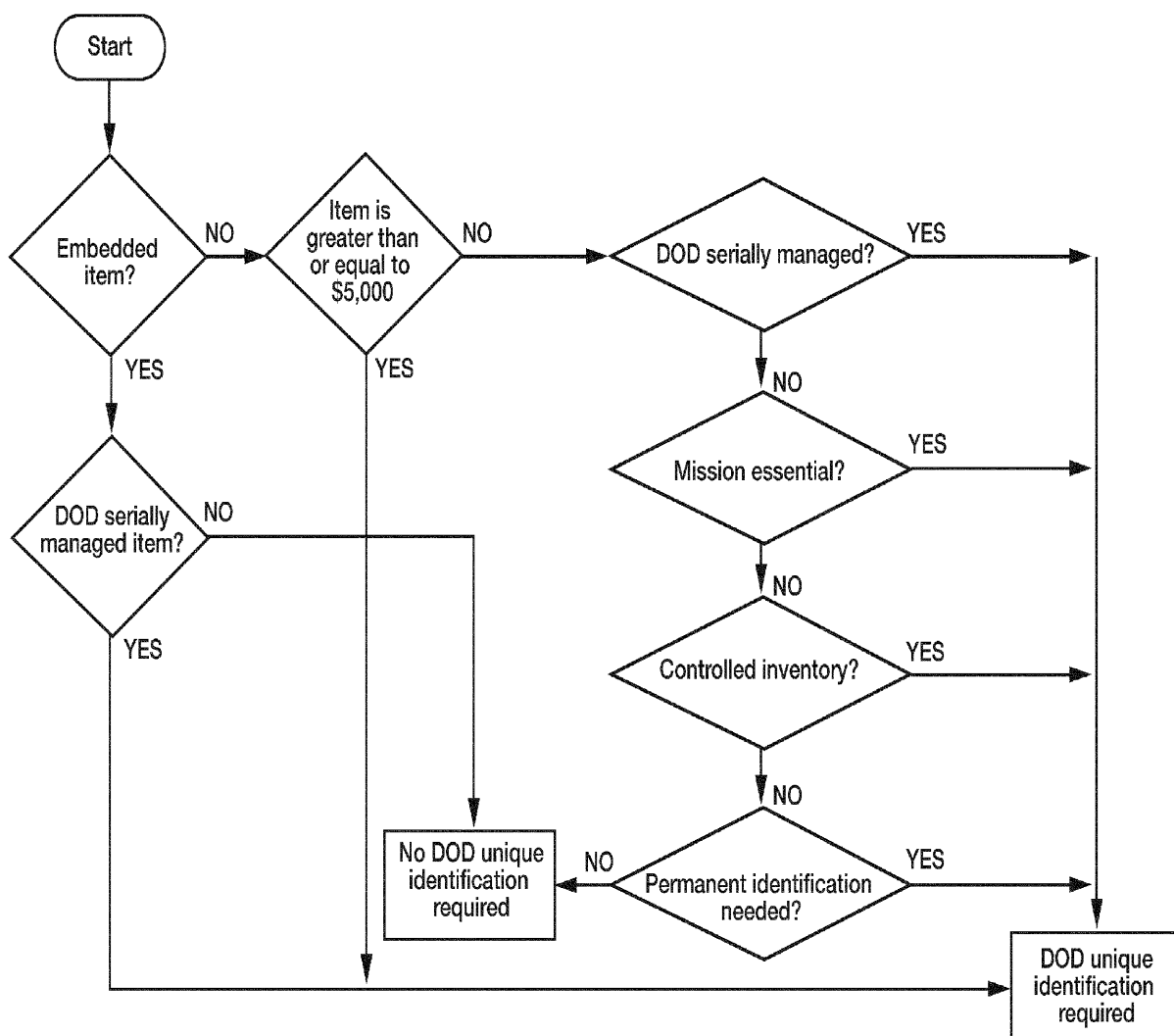
- a.* Key characteristics of IUID are as follows:
  - (1) UIIs are unique, unambiguous, and permanent.
  - (2) A UII once assigned to an item is never changed (to ensure uniqueness).
- b.* IUID supports and provides the following:
  - (1) Multifaceted business applications.

- (2) The Army standard data key (the UII) to enable SIM.
- (3) Integration with the DOD unique identification policy that aligns acquisition, maintenance, financial, and logistics processes and associated information systems.
- (4) The cornerstone for life cycle traceability (see DODD 8320.03 and DODI 8320.04).

## **2-2. Item unique identification criteria**

IUID is required for all items delivered to the Government under contract, in inventory, in use, or legacy items when one or more of the following apply (see fig 2-1 for process flowchart):

- a.* All items for which the Government's unit acquisition cost is \$5,000 or more.
- b.* Items for which the Government's unit acquisition cost is less than \$5,000, when identified by the requiring activity as DOD serially managed, mission essential, or controlled inventory.
- c.* When the Government's unit acquisition cost is less than \$5,000 and the requiring activity determines that permanent identification is required.
- d.* Regardless of value—
  - (1) Any DOD serially managed subassembly, component, or part embedded within an item.
  - (2) The parent item that contains the embedded subassembly, component, or part.
- e.* Unique tooling designated for preservation and storage in a Major Defense Acquisition Program will be considered a serially managed item and require IUID.



DOD serially managed and embedded items require marking of parent items.  
Legacy items may qualify for virtual UII.

Figure 2-1. Process flowchart

### 2-3. Secondary components legacy items

All items in use or inventory for the following categories, regardless of their original unit cost, must be marked with an IUID compliant mark and registered in the DOD IUID Registry.

- a. All DOD serially managed items, to include but not limited to, sensitive, critical safety, or pilferable items that have a unique item level traceability requirement at any point in their life cycle.
- b. All depot level reparables.
- c. Any item where the requiring activity decides that unique item level traceability is required at any point in the life cycle. (Once designated for IUID all future acquisitions of that item and legacy items already in use or in inventory will require IUID.)
- d. Any item where property accountability for the item is accomplished at the unique item level.
- e. The requirement for IUID does not include those items which are managed only by quantity, part number, or national stock number and do not meet the requirements in paragraph 2-3a through 2-3d.

### 2-4. Legacy item registration

Legacy items that require IUID will be marked and registered in the DOD IUID Registry as soon as practical with

consideration to Army readiness, IUID implementation cost, and resourcing during the process. Legacy items that will no longer be in the inventory after 31 December 2015 do not require IUID.

## **Chapter 3**

### **Item Unique Identification Implementation**

#### **3-1. Authority**

MATDEVs are responsible for planning and implementing IUID. The MATDEV is the decisionmaking authority on which items are marked and how items should be marked in accordance with this policy. When a MATDEV is not assigned, the applicable life cycle management command, system manager, or item manager responsible for life cycle management of an item (to include configuration management) will plan and implement IUID for the item.

#### **3-2. Planning**

a. Successful IUID implementation for item marking and registering in the DOD IUID Registry begins with the establishment of robust IUID implementation plans. All IUID plans will be reviewed annually and updated, to include policy and program changes, as necessary.

b. At a minimum, all plans must—

(1) Define coordination requirements with marking activities. Examples are as follows:

(a) Contractors providing new items to the Army.

(b) Depots, national maintenance points, directorates of logistics, and public-private operations that perform depot maintenance on items.

(c) Recapitalization and reset operations.

(d) Mobile marking teams.

(2) Define the system or program.

(3) Provide references or enclosures, as necessary.

(4) List any exemptions or approvals being claimed under this regulation or DOD policy.

(5) Define the strategy for IUID implementation, including the following:

(a) Milestones for all implementation events, actions required, and the responsible activities.

(b) The implementation of DFARS Clause 252.211-7003 in all contracts for new items.

(c) Include a process to implement IUID in contracts for item repair and overhaul.

(d) Establish funding estimates to implement IUID.

(e) Define the process to update technical data using the most cost-effective approach.

(f) Identify the mark quality surveillance processes to ensure compliance with MIL-STD-129 and MIL-STD-130.

(6) List all items that meet the criteria for IUID under provisions of this regulation.

c. The Systems Planning and Requirements Software document generator is available to create and update IUID implementation plans. The Systems Planning and Requirements Software incorporates the minimum plan requirements for approval; synchronizes updates between the acquisition strategy, life cycle sustainment plan, and IUID plan; and supports plan standardization.

d. IUID implementation plans may cover a family of vehicles (or systems). The plan will identify all items that require marking and the systems where the item is a component by model number and national stock number. For example, an engine used in four different vehicles.

e. When results of an annual plan review show the IUID program is well-defined and current, items requiring IUID are listed in the plan, and only minor changes would be required (such as administrative corrections), a plan update is not required.

f. All plans will be coordinated with appropriate stakeholders prior to MDA approval. The Logistics Support Activity (LOGSA) IUID support office will be used to disseminate minimum coordination requirements established by the ASA (ALT) for program IUID plans and AMC coordination requirements for AMC-managed IUID plans. Approved plans will be provided to the LOGSA IUID Support Office (AMC LOGSA (AMXLS-AI), Building 5307, Redstone Arsenal, AL 35898-7400) for archive in the Army IUID plan repository.

#### **3-3. Virtual unique item identifiers**

Virtual UIIs apply only to legacy items in DOD inventory. Virtual UIIs will not be used prior to approval by DASA (APL). Requests for the ASA (ALT) approval will be coordinated through the LOGSA IUID support office.

#### **3-4. Marking items requiring item unique identification**

Legacy items that require IUID will be marked and registered in the DOD IUID Registry as soon as practical with

consideration to Army readiness, IUID implementation cost, and resourcing during the process. Legacy items that will no longer be in the DOD IUID Registry after 31 December 2015, do not require IUID.

- a. Items will be marked in accordance with MIL-STD-130.
- b. Packaging for item will be marked in accordance with MIL-STD-129.
- c. Engineering analysis and technical documentation updates will be conducted prior to marking critical safety items and marking items using direct part marking methods.
- d. Nonsafety critical legacy items in Army inventory and acquired through reprocurement that have data labels may be marked in advance of updated technical documentation. The term label is also known as a “data plate,” “name plate,” and “identification plate.”
- e. Before mobile marking teams are deployed the responsible authority will ensure that the supporting depot and NMP are capable of processing and supporting the marked item.

### **3-5. Registering items**

All UIIs assigned to items will be registered in the DOD IUID Registry operated by the Defense Logistics Information Service. The DOD IUID Registry provides a single point of reference for DOD items with assigned UIIs and identifies the item, custody (DOD or contractor), and value.

### **3-6. Budgeting**

Requirements for marking items and registering UIIs in the DOD IUID Registry will be included in budget submissions for each POM in accordance with the Army Resource Formulation Guide.

### **3-7. Contracting**

a. All contracts for new equipment, major modifications, reprocurements of equipment, and spares will include the DFARS Clause 252.211-7003.

b. MATDEVS are to report progress to the MDA at program reviews. Metrics are to be developed and used that assess progress to requirements and milestones in the program IUID implementation plan. Standard Army metrics are defined in the glossary. Reported metrics will, as a minimum, include the following:

- (1) Contract clause compliance.
- (2) POM submissions.
- (3) Items marked.
- (4) Quality deficiencies.

### **3-8. Retiring unique item identifiers**

Item UIIs will not be retired in the DOD IUID Registry until the item is no longer in DOD inventory.

## **Appendix A References**

### **Section I Required Publications**

#### **DODD 8320.03**

Unique Identification (UID) Standards for a Net-Centric Department of Defense (Cited in para 2–1b(4).)

#### **DODI 8320.04**

Item Unique Identification (IUID) Standards for Tangible Personal Property (Cited in para 2–1b(4).)

#### **MIL–STD–129**

Interface Standard for Lifting and Tiedown Provisions (Cited in paras 3–2b(5)f, 3–4b.) (Available at <http://dodssp.daps.dla.mil/>.)

#### **MIL–STD–130**

Environmental Engineering Considerations and Laboratory Tests (Cited in paras 3–2b(5)f, 3–4a.) (Available at <http://dodssp.daps.dla.mil/>.)

### **Section II Related Publications**

A related publication is a source of additional information. The user does not have to read it to understand this publication. DOD publications are available at <http://www.dtic.mil/whs/directives/>.

#### **Army Resource Formulation Guide**

(This publication has restricted access. Contact the Assistant Secretary of Army (Financial Management and Comptroller), Management and Control Directorate (SAFM–BUC–F/Budget Formulation Division), 109 Army Pentagon, Washington, DC 20310–0109.)

#### **AR 11–2**

Managers' Internal Control Program

#### **DA Pam 700–85**

Automatic Identification Technology (AIT) Integration Guide

#### **DFARS Clause 211.274–5**

Policy for assignment of Government-assigned serial numbers (Available at [www.acq.osd.mil/dpap/dfars](http://www.acq.osd.mil/dpap/dfars).)

#### **DFARS Clause 252.211–7003**

Item Identification and Valuation (Available at [www.acq.osd.mil/dpap/dfars](http://www.acq.osd.mil/dpap/dfars).)

#### **DOD 4100.39–M**

Federal Logistics Information System (FLIS) Procedures Manual

#### **DOD 4140.1–R**

DOD Supply Chain Materiel Management Regulation

#### **DOD Guide to Uniquely Identifying Items**

Assuring Valuation, Accountability, and Control of Government Property Version 2.0 (Available at <http://www.acq.osd.mil/dpap/UID/attachments/DoDUIDGuide.pdf>.)

#### **DOD Guidelines for the Virtual UII**

Guidelines for the Virtual UII, Version 1.2 (Available at [http://www.acq.osd.mil/dpap/UID/attachments/Virtual\\_UII\\_Guide\\_ver1\\_2a\\_28-200\\_61128.pdf](http://www.acq.osd.mil/dpap/UID/attachments/Virtual_UII_Guide_ver1_2a_28-200_61128.pdf))

#### **DODI 4151.19**

Serialized Item Management for Materiel Maintenance

**DODI 5000.02**

Operation of the Defense Acquisition System

**DODI 5000.64**

Accountability and Management of DOD Equipment and Other Accountable Property

**DOD SOP**

Acquisition Procurement Guide for Unique Item Traceability Data Integrity (Available at <http://www.acq.osd.mil/>)

**Section III****Prescribed Forms**

This section contains no entries.

**Section IV****Referenced Forms**

Unless otherwise indicated, DA Forms are available on the Army Publishing Directorate Web site <http://www.apd.army.mil>.

**DA Form 11-2**

Internal Control Evaluation Certification

**DA Form 2028**

Recommended Changes to Publications and Blank Forms

**Appendix B****Internal Control Evaluation****B-1. Function**

The function covered by this checklist is the implementation and conduct of IUID by MATDEVs and other Army organizations identified in this regulation.

**B-2. Purpose**

The purpose of this checklist is to assist item managers in evaluating IUID planning and implementation.

**B-3. Instructions**

Answers must be based upon the actual testing of controls (for example, document analysis, direct observation, sampling, simulation, and/or others). Answers that indicate deficiencies must be explained and the corrective action indicated in the supporting documentation. These internal controls must be evaluated at least once every 5 years and then certified on DA Form 11-2 (Internal Control Evaluation Certification).

**B-4. Test questions**

- a. Is DFARS Clause 252.211-7003 included in all contracts for new items?
- b. Has a plan been completed and approved?
- c. Have all items requiring IUID been identified and included in the IUID plan?
- d. Was an annual plan review completed?
- e. Were IUID metrics kept and progress reported to the MDA?

**B-5. Supersession**

Not applicable.

**B-6. Comments**

Help make this a better review tool. Submit comments to the Deputy Assistant Secretary of the Army (Acquisition Policy and Logistics) (SAAL-ZL), 103 Army Pentagon, Washington, DC 20310-0103.

## **Glossary**

### **Section I Abbreviations**

#### **2-D**

two-dimensional

#### **ACSIM**

Assistant Chief of Staff for Information Management

#### **AIS**

Automated Information System

#### **AIT**

automatic identification technology

#### **AMC**

U.S. Army Materiel Command

#### **ASA (ALT)**

Assistant Secretary of the Army (Acquisition, Logistics and Technology)

#### **ASA (FM&C)**

Assistant Secretary of the Army (Financial Management and Comptroller)

#### **CAR**

Chief, Army Reserve

#### **CCH**

Chief of Chaplains

#### **CG**

Commanding General

#### **CIO/G-6**

Chief Information Officer/G-6

#### **CNGB**

Chief, National Guard Bureau

#### **COE**

Chief of Engineers

#### **DASA (APL)**

Deputy Assistant Secretary of the Army (Acquisition Policy and Logistics)

#### **DCS, G-3/5/7**

Deputy Chief of Staff, G-3/5/7

#### **DCS, G-4**

Deputy Chief of Staff, G-4

#### **DCS, G-8**

Deputy Chief of Staff, G-8

#### **DFARS**

Defense Federal Acquisition Regulation Supplement

#### **DOD**

Department of Defense



**INSCOM**

U.S. Army Intelligence and Security Command

**IUID**

item unique identification

**LOGSA**

Logistics Support Activity

**MATDEV**

materiel developer

**MDA**

milestone decision authority

**MEDCOM**

U.S. Medical Command

**POM**

program objective memorandum

**SIM**

serialized item management

**TSG**

The Surgeon General

**TRADOC**

U.S. Army Training and Doctrine Command

**UII**

unique item identifier

**USACE**

U.S. Army Corps of Engineers

**USAMRMC**

U.S. Army Medical Research and Materiel Command

**USASMDC**

U.S. Army Space and Missile Defense Command/U.S. Army Strategic Command

**USASOC**

U.S. Army Special Operations Command

**Section II****Terms****2-D data matrix**

The symbology used for the mark on an item is a 2-D data matrix symbol with error correction code 200. The UII is encoded into a data matrix symbol. Data matrix symbols have a checkerboard appearance, with each uniformly spaced square shaped cell corresponding to a data bit. They are constructed of a mosaic of light and dark elements (modules) that must all be read before any characters can be recognized. Matrix symbols are encoded with a binary code requiring an optical imager to read them. A data matrix can store from one to about 2,000 characters. The symbol is square or rectangular and can range from 0.001 inch per side up to 14 inches per side.

**Contract clause compliance metric**

Contract clause compliance (expressed as a percentage) with DFARS Clause 252.211-7003 is defined as the number of contracts issued (that should have contained the clause) divided by total number of contracts requiring the clause.

**Controlled inventory**

Top secret items, narcotics, drug abuse items, and alcohol; Category I nonnuclear missiles and rockets; precious metals; small arms; radioactive items; inert nuclear ordnance; and other items designated by DOD or the component.

**Critical safety item**

Items or parts where failure could cause loss of life, permanent disability, major injury, loss of a system, or significant equipment damage.

**DOD Item Unique Identification Registry**

The DOD IUID Registry is a database located in Battle Creek, Michigan and is operated by the Defense Logistics Information Service. The purpose of the DOD IUID Registry is to collect UIIs assigned to items owned by DOD and to distribute UII and related information to DOD users. The DOD IUID Registry provides a single point of reference for DOD items with assigned UIIs. The DOD IUID Registry will identify an item, custody (DOD or contractor), and value. The DOD IUID Registry will not track the item's location, who is using it, or provide configuration management. The DOD IUID Registry is available at <https://www.bpn.gov/iuid>.

**End item**

Final combination of end products, component parts, and/or materials ready for its intended use.

**Items marked metric**

The items marked metric reports the total number of items marked and registered divided by the total number of items planned to be marked.

**Item unique identification**

A system of marking items with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items.

**Label**

An item marked with the identification information of another item and affixed to that other item. A label may be of any similar or different material than that of the item to which it is affixed. A label may be made of a metallic or nonmetallic material. Labels may be affixed to the identified item by any appropriate means. Labels are often referred to as plates (for example, data plate, name plate, or identification plate); however, label material and methods of marking and affixing have no bearing on this distinction.

**Legacy item**

DOD-owned items and end items that have already been produced and deployed for use or that have been produced and placed in inventory or storage pending issue.

**Mission essential**

Materiel authorized and available to combat, combat support, combat service support, and combat readiness training forces in order to accomplish assigned missions.

**Personal property**

All property (systems and equipment, materials, and supplies), except real property (land and improvements to facilities), and records of the Federal Government.

**Pilferable Items**

Items that have a ready value or application to personal possession and that are, therefore, especially subject to theft (see DOD 4100.39-M).

**Program objective memorandum submissions metric**

POM submissions metric is defined as total funding received through the POM divided by the total funding identified in the IUID plan submitted.

**Quality deficiencies metric**

The quality metric is defined as the total number of IUID-related quality deficiencies reported divided by the number of items marked.

**Serially managed**

Includes reparable items down to, and including, the subcomponent reparable unit level; life-limited items; time-controlled items; items requiring records; and items that require technical directive tracking at the part level.

**Unique item identifier**

A set of data elements assigned to an item that is globally unique and unambiguous.

**Unique item traceability**

Establishes the authenticity of an individual item or group of items at any time during their life and requires the capability to link information about the item to it. The ability to discover life cycle intelligence about an item is known as traceability.

**Virtual unique item identifier**

A virtual UII is when UII data elements for an item have been captured in the DOD IUID Registry, but not yet physically marked on the item. Use of the virtual UII enables the entry of a UII and its associated pedigree data into the DOD IUID Registry, while postponing the physical marking of the item with a DOD IUID-compliant 2-D data matrix symbol to a more advantageous time based on logistics and economic considerations. Virtual UIIs apply only to legacy items.

**Section III****Special Abbreviations and Terms****ID**

Type of acquisition category (IAC, IAM, IC, ID, II, and III).

**PM J-AIT**

product manager Joint-automatic identification technology

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