



Department of Defense **INSTRUCTION**

NUMBER 8320.04

September 3, 2015

Incorporating Change 3, August 27, 2019

USD(A&S)

SUBJECT: Item Unique Identification (IUID) Standards for Tangible Personal Property

References: See Enclosure 1

1. **PURPOSE.** In accordance with the authority in DoD Directive 5134.01 (Reference (a)), this instruction:

a. Reissues DoD Instruction (DoDI) 8320.04 (Reference (b)) to establish policy and assign responsibilities for the process of uniquely identifying tangible personal property and their associated selected attributes. The unique item identifier (UII) will be used globally as the common data key in financial, property accountability, acquisition, and logistics (including supply and maintenance) automated information systems to enable asset accountability, valuation, life-cycle management, and counterfeit materiel risk reduction.

b. Under the authority of DoDI 8320.03 (Reference (c)):

(1) Assigns responsibilities and prescribes procedures to enable accountability and acquisition value for uniquely identified items of tangible personal property through use of transaction-derived data in a net-centric environment.

(2) Prescribes standards for constructing the UII and marking both the item and its packaging.

(3) Promotes correlation of data, and information sharing on items with UIIs between users in a net-centric environment throughout the DoD Components.

(4) Assigns responsibilities and establishes procedures for operation and maintenance of the DoD IUID Registry.

c. Prescribes the DoD IUID Registry as:

(1) The central repository for government items with UII acquired after January 1, 2004, and for UII data elements established at delivery in accordance with subpart 252.211-7003 of

Defense Federal Acquisition Regulation Supplement (DFARS) (Reference (d)), referred to throughout this instruction as DFARS.

(2) The master data source for reporting government furnished property (GFP) in custody of contractors in accordance with DoDI 4161.02 (Reference (e)).

d. Incorporates and cancels Under Secretary of Defense for Acquisition, Technology, and Logistics Memorandum (Reference (f)).

2. APPLICABILITY. This instruction applies to the Office of the Secretary of Defense, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities in the Department of Defense (referred to collectively in this instruction as the “DoD Components”).

3. POLICY. It is DoD policy:

a. To employ IUID for all items that require unique item level traceability at any time in their lifecycle.

b. To use the UII:

(1) To enable life-cycle management of assets.

(2) To support asset valuation and accountability for audit readiness on the general property, plant, and equipment, inventory, and operating materials and supplies portions of DoD financial statements.

(3) As the mandatory data element to identify unique items in financial, property accountability, acquisition, and logistics (including supply, maintenance, and distribution) automated information systems, and business processes.

(4) To support counterfeit material risk reduction.

c. For the UII to remain unchanged throughout the item’s life to include modification or upgrade.

d. To enable the use of the UII with automatic identification technology and electronic data interchange.

e. For intelligence-related tangible personal property, information that is classified or requires protection due to operations security considerations will not be maintained in the unclassified DoD IUID Registry. This information will be maintained by the intelligence entities

within the applicable Military Services or Defense Agencies and will be available for review, on request, by those authorized by this instruction.

4. RESPONSIBILITIES. See Enclosure 2.

5. PROCEDURES. See Enclosure 3.

6. INFORMATION COLLECTION REQUIREMENTS. The DoD IUD Registry, referred to throughout this instruction, does not require licensing with a report control symbol in accordance with paragraph 10 of Volume 1 of DoD Manual 8910.01 (Reference (g)).

7. RELEASABILITY. **Cleared for public release.** This instruction is available on the Directives Division Website at <https://www.esd.whs.mil/DD/>.

8. SUMMARY OF CHANGE 3. This change is administrative and updates references and organizational symbols to reflect the reorganization of the Office of the Under Secretary of Defense for Acquisition, Technology, and Logistics, pursuant to the July 13, 2018 Deputy Secretary of Defense Memorandum.

9. EFFECTIVE DATE. This instruction is effective September 3, 2015.



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REFERENCES

- (a) DoD Directive 5134.01, "Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L))," December 9, 2005, as amended
- (b) DoD Instruction 8320.04, "Item Unique Identification (IUID) Standards for Tangible Personal Property," September 3, 2015 (hereby cancelled)
- (c) DoD Instruction 8320.03, "Unique Identification (UID) Standards for Supporting DoD Net-Centric Operations," November 4, 2015, as amended
- (d) Defense Federal Acquisition Regulation Supplement (DFARS) and Procedures, Guidance, and Information (PGI), current edition
- (e) DoD Instruction 4161.02, "Accountability and Management of Government Contract Property," April 27, 2012, as amended
- (f) Under Secretary of Defense for Acquisition, Technology, and Logistics Memorandum, "Item Unique Identification (IUID) of Tangible Personal Property – Policy Refinement for Secondary Items in Use or in Inventory," December 30, 2010 (hereby cancelled)
- (g) DoD Manual 8910.01, Volume 1, "DoD Information Collections Manual: Procedures For DoD Internal Information Collections," June 30, 2014, as amended
- (h) DoD Instruction 4140.01, "DoD Supply Chain Materiel Management Policy," March 6, 2019
- (i) DoD Instruction 4151.19, "Serialized Item Management (SIM) for Life-Cycle Management of Materiel," January 9, 2014, as amended
- (j) DoD Instruction 5000.02, "Operation of the Defense Acquisition System," January 7, 2015, as amended
- (k) Defense Logistics Manual 4000.25, Volume 2, "Defense Logistics Management System (DLMS): Supply Standards and Procedures," June 13, 2012
- (l) Military Standard 130, "Identification Marking of U.S. Military Property," current edition
- (m) Military Standard 129, "Military Marking for Shipment and Storage," current edition
- (n) Office of the Under Secretary of Defense (Comptroller)/Chief Financial Officer, "DoD Financial Improvement and Audit Readiness Guidance," November 2013
- (o) Section 802 of Public Law 108-136, "National Defense Authorization Act for Fiscal Year 2004," November 24, 2003
- (p) Section 130 of Public Law 109-364, "John Warner National Defense Authorization Act for Fiscal Year 2007," October 17, 2006
- (q) DoD Instruction 5200.44, "Protection of Mission Critical Functions to Achieve Trusted Systems and Networks," November 5, 2012, as amended
- (r) DoD Instruction 5200.39, "Critical Program Information (CPI) Identification and Protection Within Research, Development, Test, and Evaluation (RDT&E)," May 28, 2015, as amended
- (s) DoD Instruction 6430.02, "Defense Medical Materiel Program," August 23, 2017
- (t) DoD Directive 3150.08, "DoD Response to Nuclear and Radiological Incidents," January 20, 2010, as amended
- (u) DoD Instruction 3020.45, "Mission Assurance (MA) Construct," August 14, 2018
- (v) DoD Instruction 4165.56, "Relocatable Buildings," January 7, 2013, as amended

- (w) DoD Instruction 4140.67, “DoD Counterfeit Prevention Policy,” April 26, 2013, as amended
- (x) DoD Procurement Toolbox Website, “IUID Registry”
<http://dodprocurementtoolbox.com/page/overview/iuid-registry>
- (y) DoD Instruction 5000.64, “Accountability and Management of DoD Equipment and Other Accountable Property,” April 27, 2017, as amended
- (z) Office of the Chairman of the Joint Chiefs of Staff, “DoD Dictionary of Military and Associated Terms,” current edition
- (aa) Department of Defense Chief Information Officer, “Net-Centric Checklist,” Version 2.1.3, May 12, 2004
- (ab) DoD Manual 4140.01, “DoD Supply Chain Materiel Management Procedures,” dates vary by volume
- (ac) Deputy Secretary of Defense Memorandum, “Establishment of the Office of the Under Secretary of Defense for Research and Engineering and the Office of the Under Secretary of Defense for Acquisition and Sustainment,” July 13, 2018

ENCLOSURE 2

RESPONSIBILITIES

1. UNDER SECRETARY OF DEFENSE FOR ACQUISITION AND SUSTAINMENT (USD(A&S)). In accordance with Reference (a), the USD(A&S) establishes policy and develops implementing guidance in appropriate DoD issuances and Defense logistics manuals (DLMs) on all matters relating to materiel management, including counterfeit materiel risk reduction.

2. ASSISTANT SECRETARY OF DEFENSE FOR SUSTAINMENT (ASD(S)). Under the authority, direction, and control of the USD(A&S), the ASD(S):

a. Acts as the focal point within the DoD to leverage IUID capabilities in the prevention and detection of counterfeit materiel, supply chain materiel management policy, and serialized item management for maintenance as required by DoDI 4140.01 (Reference (h)) and DoDI 4151.19 (Reference (i)).

b. Develops IUID supply chain policy and coordinates functional business rules.

c. Coordinates and approves requirements for the DoD IUID Registry jointly with the Director, Defense Pricing and Contracting (DPC).

d. Coordinates an integrated approach with the DoD, federal and State agencies, non-governmental organizations, and domestic and foreign persons and organizations to provide national unique item level traceability.

e. Develops and maintains policies, guidance, and standards regarding the transaction conventions, structure, format, and procedures for UII marking syntax, semantics, data carrier, and data elements of the UII mark and IUID equivalents.

3. ASSISTANT SECRETARY OF DEFENSE FOR ACQUISITION (ASD(A)). Under the authority, direction, and control of the USD(A&S), the ASD(A):

a. As part of program oversight responsibilities, ensures IUID is integrated in acquisition programs to enable effective and efficient life-cycle management in accordance with Reference (d).

b. Considers IUID and associated lifecycle management enablers (e.g., serialized item management, automated information systems, and automatic identification and data capture technology) during program support assessments and other oversight reviews.

4. UNDER SECRETARY OF DEFENSE FOR RESEARCH AND ENGINEERING. The Under Secretary of Defense for Research and Engineering:

a. Supports the development and transition of promising IUID-enabling technologies that support the efficient and effective capture, transfer, storage, and analysis of life-cycle item management data.

b. Monitors and reviews program planning documentation regarding the implementation of IUID for Major Defense Acquisition Programs and Major Automated Information Systems in accordance with the systems engineering procedures outlined in Enclosure 3 of DoDI 5000.02 (Reference (j)).

5. DIRECTOR, DPC. Under the authority, direction, and control of the USD(A&S), the Director, DPC:

a. Maintains subparts 201.303 and 201.304 of DFARS.

b. Incorporates IUID-enabled unique item level traceability in procurement policies, procedures, and guidance for critical materiel identified as susceptible to counterfeiting to enable authoritative life-cycle traceability and authentication.

c. In coordination with the ASD(S), coordinates and approves requirements for the DoD IUID Registry.

6. DIRECTOR, DEFENSE LOGISTICS AGENCY (DLA). Under the authority, direction, and control of the ASD(S), and in addition to the responsibilities identified in section 10 of this enclosure, the Director, DLA:

a. Ensures DLA-managed items identified as requiring IUID by the Military Services are appropriately marked and recorded in the DoD IUID Registry.

b. Establishes and disseminates guidance on the use of the Federal Logistics Information System (FLIS) IUID Indicator that identifies when a national stock number requires IUID.

c. Designates the FLIS IUID Indicator for DLA-managed items based on coordination with the Military Services design activity.

d. Coordinates with the Military Services to ensure technical data for DLA-managed items is updated to reflect IUID requirements.

e. Coordinates and publishes procedures and transaction exchange formats to incorporate the UII in logistics business processes under the Defense Logistics Management Standards (DLMS) in accordance with DLM 4000.25 (Reference (k)).

- f. Serves as the program executive officer and program manager for the DoD IUID Registry.
- g. Maintains and enhances the DoD IUID Registry.
- h. Funds resources to support the design, development, operation, upgrade, and maintenance activities for DoD IUID Registry.
- i. Uses the current copy or revision of Military Standard (MIL-STD) 130 (Reference (l)) as the default requirement for IUID marking if more specific marking requirements are not provided by the DoD Components.

7. DIRECTOR, DEFENSE CONTRACT MANAGEMENT AGENCY. Under the authority, direction, and control of the USD(A&S), through the ASD(A), the Director, Defense Contract Management Agency develops policies and procedures that provide for systematic assessment of the sufficiency of contractor-marked items' MIL-STD 130-compliant data matrix marks in accordance with Reference (l), associated data in the DoD IUID Registry, and MIL-STD-129 (Reference (m)) -compliant marking of the packaging of uniquely identified items, in accordance with Reference (m).

8. CHIEF MANAGEMENT OFFICER OF THE DEPARTMENT OF DEFENSE AND DOD CHIEF INFORMATION OFFICER. The Chief Management Officer of the Department of Defense and DoD Chief Information Officer ensure:

- a. The successful integration of IUID policy and the DoD IUID Registry into the DoD Business Enterprise Architecture.
- b. The adoption of IUID by the DoD Components through supporting IUID investment requirements through the Defense Business Council.

9. UNDER SECRETARY OF DEFENSE FOR PERSONNEL AND READINESS. The Under Secretary of Defense for Personnel and Readiness ensures that force structure data systems can consume, use, or share IUID data, as appropriate, to identify uniquely managed tangible personal property.

10. SECRETARIES OF THE MILITARY DEPARTMENTS AND DIRECTORS OF THE DEFENSE AGENCIES. The Secretaries of the Military Departments and the Directors of the Defense Agencies:

- a. Designate a focal point for IUID planning and implementation.
- b. Develop and issue policy and guidance for IUID, as appropriate.

c. Ensure Service- or Agency-managed items identified as requiring IUID are appropriately marked and recorded in the DoD IUID Registry, in accordance with DoD Component IUID implementation plans.

d. Establish policy that clearly assigns responsibility for the decision to uniquely manage material for which the Military Service or Defense Agency is the primary inventory control activity.

e. Resource IUID requirements and implement strategies.

f. Develop and issue guidance for IUID and development of IUID systems engineering plans to support Major Defense Acquisition Programs and Major Automated Information Systems in accordance with the systems engineering procedures outlined in Enclosure 3 of Reference (j).

g. Develop policies and procedures that provide for systematic assessment of the sufficiency of items' MIL-STD 130-compliant data matrix marks in accordance with Reference (l), and associated data in the DoD IUID Registry for legacy items and new procurement contracts not covered by Defense Contract Management Agency.

ENCLOSURE 3

PROCEDURES

1. DETERMINING ITEMS THAT REQUIRE UNIQUE ITEM LEVEL TRACEABILITY

a. DoD Components will determine the requirement for unique item level traceability based on general categories of management needs for:

(1) Accountability requirements to track uniquely by regulation; e.g., small arms, nuclear weapons-related materiel.

(2) Statutory or regulatory requirements; e.g., Federal Aviation Administration rules, special tooling, or test equipment.

(3) Operational requirements; e.g., tracking hours, miles, rounds fired related to usage of an individual item.

(4) Maintenance requirements; e.g., managing time coded or life-limited item, tracking overhaul or rebuild of an individual item.

(5) Maintaining parent-child relationships of uniquely identified items.

(6) Safety requirements; e.g., safety bulletins that require tracking at unique item level.

(7) Association of authenticity documentation with a unique item.

(8) Association of calibration information to a unique item.

(9) Life-limited, time-controlled, and critical items.

(10) Counterfeit prevention for critical materiel identified as susceptible to counterfeiting.

(11) Other relevant categories as determined by the DoD Component.

b. In addition to paragraph 1.a.7 of this enclosure, DoD Components will consider the questions in Figure 1 to help determine requirements to uniquely track items.

Figure 1. Unique Item Level Traceability Requirement Determination

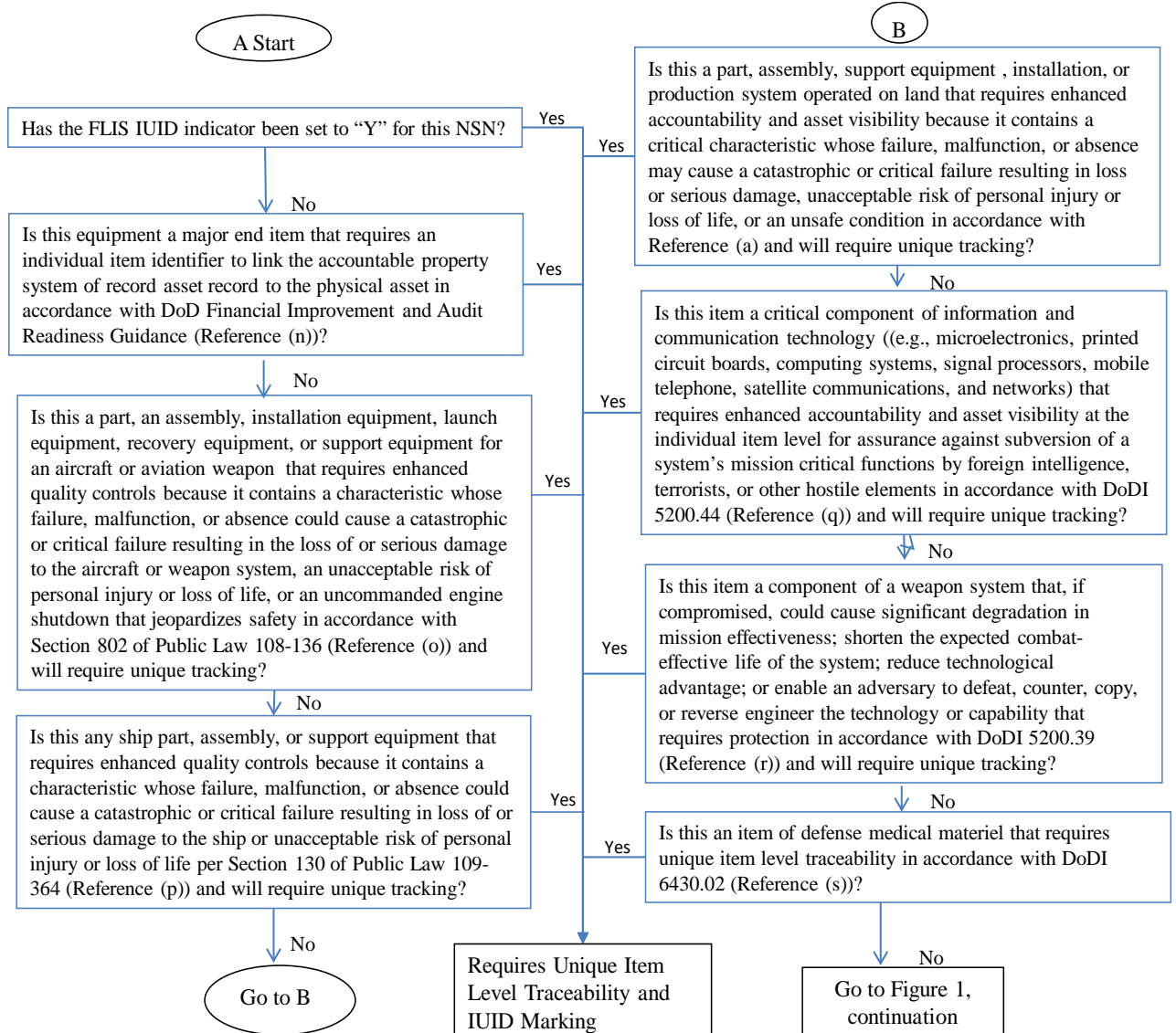
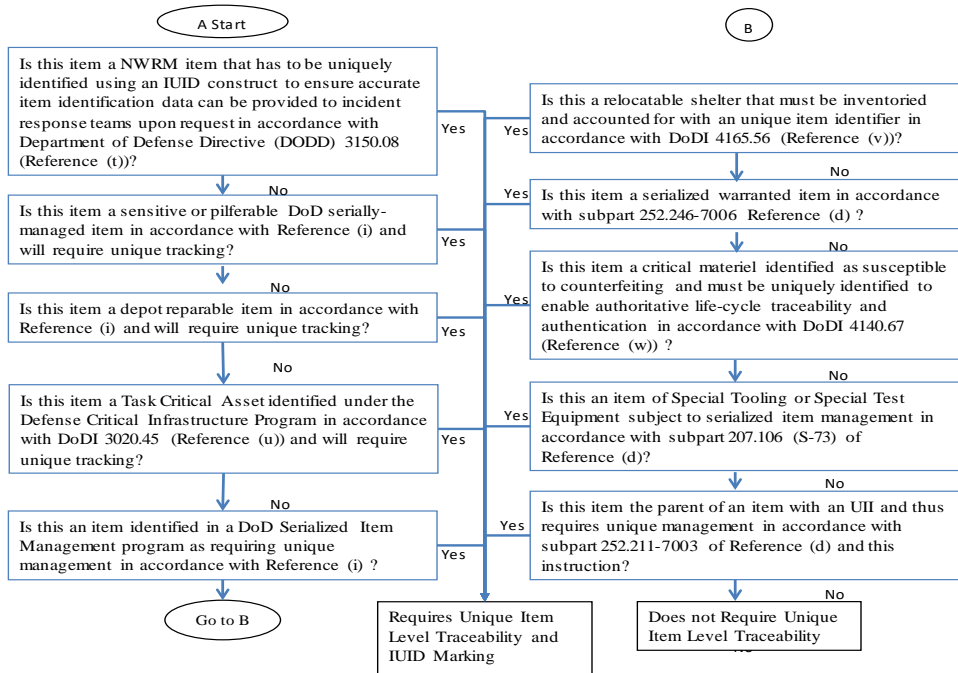


Figure 1. Unique Item Level Traceability Requirement Determination, Continued



2. OPERATIONAL REQUIREMENTS. See Table.

Table. UII Operational Requirements

When...	DoD Components...
<p>Marking items</p>	<ul style="list-style-type: none"> Assess whether the quality of the IUID data matrix symbol conforms to MIL-STD130 specifications in accordance with Reference (1), by assessing the population or sample with a commercial or government data matrix verification tool. Assess whether the quality of the data set encoded in the IUID data matrix conforms to MIL-STD 30 specifications in accordance with Reference (1), by assessing the population or sample with a commercial or government data matrix verification tool. Assess whether the specific IUID data matrix is applied to the correct item corresponding to the dataset encoded in the data matrix and corresponds to the human readable markings.

Table. UII Operational Requirements, Continued

When...	DoD Components...
Working solicitations that also include provisions for government-furnished property	Include the IUID requirements in subpart 252.211-7007 of DFARS.
Using other agencies for purchasing	Ensure that purchases initiated by the DoD and executed through the General Services Administration or other federal agencies comply with the IUID policy.
Using government-assigned serial numbers	Ensure compliance with subpart 252.211-7008 of DFARS.
Registering UII on contract delivery	<ul style="list-style-type: none"> • Ensure compliance with subpart 252.211-7003 of DFARS. • If the contracting officer exempts the contractor from marking the item, and the government marks the item after receipt of the contract delivery, the government must register the UII as for a newly procured item, including relevant contract information.
Updating data on UIIs	<p>Perform updates to existing DoD IUID Registry data as close to real-time as possible, and not later than 30 days after the event generating the requirement to update.</p> <ul style="list-style-type: none"> • Make changes to the status of embedded items to the DoD IUID Registry when the item is in government custody in accordance with DoD Component procedures. • Submit individual updates to the DoD IUID Registry for all embedded items with a UII when updates found in the first six bullets of the following section are submitted for the parent item. • For transactions meeting the last two bullets in the “Keeping Data Current” section below, submission of data at the parent-level only is required.

Table. UII Operational Requirements, Continued

When...	DoD Components...
Keeping data current	<p>Update the DoD IUID Registry when:</p> <ul style="list-style-type: none"> • The DoD Component owner is not identified in the acceptance transaction for new procurement items. Submit an update to the DoD IUID Registry to indicate the DoD Component owner at the time of receipt. Asset ownership is transferred between DoD Components, to include sales between DoD Components and asset release to DLA Disposition Services. The receiving DoD Component activity processes the update to the DoD IUID registry. • Assets are transferred, sold, or loaned to foreign military sales countries. • Assets are lost, expended, or destroyed. • Items are removed from the DoD inventory. • Custody changes for GFP. Submit data for GFP subject to IUID policy to the DoD IUID Registry on a transactional basis in accordance with the requirements for property reporting in Reference (e). • A part number changes. • The UII mark is physically applied to an asset assigned a virtual UII in the DoD IUID Registry.

3. DoD IUID REGISTRY

a. Instructions for DoD Components to upload initial registration of existing assets, including IUID-related GFP, to the DoD IUID Registry may be found at the DoD Procurement Toolbox Website (Reference (x)).

b. Instructions for submitting and retrieving data on the existing DoD IUID registry may be found at Reference (x).

c. DoD Components will not delete UII pedigree data from the DoD IUID Registry; however, UII data may be archived if the entry of the UII was invalid.

4. IUID REQUIREMENTS. To ensure IUID requirements are met, the Military Departments and the Defense Agencies will:

a. Ensure MIL-STD 130-compliant data matrix marking in accordance with Reference (1) and registration requirements are met for all IUID-related property items delivered to the

government under contract, in inventory, or in use, which require unique item-level traceability at any time in their life-cycle.

b. Identify items with a unique item-level traceability requirement at any time in their life cycle using the procedures of this instruction. Ensure review of the following items, at a minimum:

- (1) Major end items.
- (2) Depot level reparables.
- (3) Nuclear weapons-related materiel.
- (4) Small arms and light weapons.
- (5) Items with a classified, sensitive, or pilferable controlled inventory item code.
- (6) Critical safety items.
- (7) Items currently serially managed or warrantied, including items in unique item tracking programs.
- (8) Items that require periodic test, calibration, or safety inspection.
- (9) Items that require technical directive tracking.
- (10) Items requiring intensive visibility and management.
- (11) Other items, as determined by the requiring activity.

c. Ensure that for any uniquely identified subassembly, component, or part embedded within an item, the configuration chain up to and including the level-1 parent will also be uniquely identified.

d. Ensure that solicitations include the clause at subpart 252.211-7003 of DFARS when the FLIS IUID indicator for the item to be acquired requires the item to be data matrix marked (FLIS IUID indicator equals "Y"). Items requiring IUID will be included in the contract for purchases of new equipment, major modifications, re-procurements of equipment and spares, or items of supply.

e. Identify items in contracts that meet IUID criteria according to the unique item level traceability requirements identified in this enclosure.

f. Ensure the timely delivery of IUID data to the DoD IUID Registry, and the marking of UIIs on items purchased by the DoD by issuing solicitations that include the clause at subpart 252.211-7003 of DFARS or by alternate implementation that will result in government-controlled IUID marking and registration no later than 30 days after receipt of materiel. At the

same time, ensure accountable property systems of record are updated with IUID relevant data in accordance with Reference (e) and DoDI 5000.64 (Reference (y)).

- g. Ensure uniquely identified items are marked in accordance with Reference (l).
- h. Ensure GFP is managed in accordance to Reference (e) with appropriate accountable records in accordance with Reference (y).
- i. Ensure shipment and storage containers and packages containing uniquely identified items are labeled in accordance with Reference (m).
- j. Maintain DoD Component IUID implementation plans and provide updates on execution to the Deputy Assistant Secretary of Defense for Supply Chain Integration, as requested.
- k. Designate the FLIS IUID Indicator for DoD Component managed items with a national stock number assigned.
- l. Provide DLA with the IUID specific marking requirements in excess of the MIL-STD, for DLA managed items.
- m. Incorporate the use of IUID in business processes for acquisition, financial, property accountability, supply, maintenance, distribution, and logistics systems for items that have an individual item traceability requirement.
- n. Modernize acquisition, logistics, and property management automated information systems with UII requirements, including use of the DLMS in accordance with Reference (k), and the IUID Registry as defined in this enclosure.
- o. Ensure program managers plan for, update, and implement, IUID requirements in the program's systems engineering plan, in accordance with Reference (j).
- p. Use the UII in all unique item tracking, serial number tracking, and serialized item management processes.
- q. Leverage IUID-enabled unique item level traceability for precision inventory control and traceability, and for the prevention, detection, reporting and disposition of non-conforming materiel, including counterfeit materiel.
- r. Ensure commonality and interoperability with all automatic identification and data capture technology infrastructure requirements and IUID data management processes.
- s. Ensure submission of product quality deficiency reports for non-compliance with the item marking requirements of Reference (l) and supply deficiency reports for non-compliance with the packaging marking requirements of Reference (m), as appropriate.
- t. Establish supporting metrics to manage IUID implementation.

GLOSSARY

PART I. ABBREVIATIONS AND ACRONYMS

ASD(A)	Assistant Secretary of Defense for Acquisition
ASD(S)	Assistant Secretary of Defense for Sustainment
APSR	accountable property system of record
DFARS	Defense Federal Acquisition Regulation Supplement
DLA	Defense Logistics Agency
DLM	Defense Logistics Manual
DLMS	Defense Logistics Management System
DoDI	DoD instruction
DPC	Defense Pricing and Contracting
FLIS	Federal Logistics Information System
GFP	government furnished property
IUID	item unique identification
MIL-STD	Military Standard
UII	unique item identifier
USD(A&S)	Under Secretary of Defense for Acquisition and Sustainment

PART II. DEFINITIONS

These terms and their definitions are for the purpose of this instruction.

contractor logistics support. Contracted weapon system sustainment that occurs over the life of the weapon system and generally covering multiple integrated product support elements. Contractor logistics support does not include interim contractor support, a temporary measure for a system's initial period of operation before a permanent form of support is in place, but may include performance based logistics product support strategies and public-private partnering arrangements.

DLA Disposition Services. Disposes of excess property received from the military services. The inventory changes daily and includes thousands of items: from air conditioners to vehicles, clothing to computers, and much more. That property is first offered for reutilization within the DoD, transfer to other federal agencies, or donation to state and local governments and other qualified organizations.

DLMS. A process governing logistics functional business management standards and practices across DoD. A broad base of business rules, to include uniform policies, procedures, time standards, transactions, and data management, designed to meet DoD requirements for global

supply chain management system support. DLMS enables logistics operations to occur accurately and promote interoperability between DoD and external logistics activities at any level of the DoD organizational structure. The DLMS supports electronic business capabilities such as: American National Standards Institute Accredited Standards Committee X12 electronic data interchange, on which the DLMS transaction exchange was founded; automatic identification technology, including passive radio-frequency identification and linear and two-dimensional bar coding; extensible markup language; and web-based technology. The DLMS encompasses standardization of logistics processes including, but not limited to: Military Standard Billing System, Military Standard Transaction Reporting and Accountability Procedures, Military Standard Requisitioning and Issue Procedures, and Supply Discrepancy Reporting.

DoD IUID Registry. The central repository for IUID information and serves as an acquisition gateway to identify the UII of the item, what the item is; how and when it was acquired; the initial unit cost of the item; component ownership; current custody (government or contractor); and how it is marked. The registry captures, retains, and provides data regarding uniquely identified tangible items. The UII enables net-centric data correlation and collaboration in order to facilitate effective and efficient accountability and control of DoD assets and resources in support of DoD business transformation and warfighter mission fulfillment.

force structure. Defined in the DoD Dictionary of Military and Associated Terms (Reference (z)).

GFP. Property, including both government furnished material and government furnished equipment, in the possession of, or directly acquired by the government and subsequently furnished to the contractor (includes sub-contractors and alternate locations) for performance of a contract.

government-assigned serial number. Means a combination of letters or numerals in a fixed human-readable information format (e.g., text) conveying information about a major end item, which is provided to a contractor by the requiring activity with accompanying technical data instructions for marking the U.S. Government-assigned serial number on major end items to be delivered to the U.S. Government. Defined in subpart 252.211-7008 of DFARS.

IUID. A system of establishing globally ubiquitous unique identifiers on items of supply within DoD, which serves to distinguish a discrete entity or relationship from other like and unlike entities or relationships. Defined in DFARS.

net-centric. Exploitation of advancing technology that moves from an application centric to a data-centric paradigm that is providing users the ability to access applications and services through Web services an information environment comprised of interoperable computing and communication components as defined in the Net-Centric Checklist (Reference (aa)).

parent item. The item assembly, intermediate component or subassembly that has an embedded item with a UII or DoD recognized unique identification equivalent.

parent-child relationship. An association of a uniquely identified item (i.e., the child) with the next higher level of assembly that is uniquely identified (i.e., the parent).

child. The lower level item of a parent-child relationship.

parent. The higher level item of a parent-child relationship.

pedigree data. Includes acquisition contract information; original part, lot, or batch number; serial number; and shipment and delivery information.

personal property. Defined in Reference (y).

secondary item. Defined in DoD Manual 4140.01 (Reference (ab)).

unique identifier. Defined in Reference (c).

UII. A globally unique and unambiguous identifier that distinguishes an item from all other like and unlike items. The UII is derived from a UII data set of one or more data elements. (See Reference (l).)

unique item level traceability. The requirement to trace life-cycle management events related to acquisition, storage, operation, maintenance, safety, physical security, retirement, and disposal by each individual item (e.g., for a single instance of a stock-numbered item or a single assembly or subassembly) (See Reference (h).)

virtual UII. A UII of a legacy item that has been entered, along with its associated data, in the DoD IUID Registry, while postponing the physical marking of the item with an IUID-compliant two-dimensional data matrix symbol to a more advantageous time based on logistic and economic considerations.