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MARINE CORPS ORDER 4410.28

From: Commandant of the Marine Corps
To: Distribution List

Subj: ITEM UNIQUE IDENTIFICATION (IUID) OF GROUND EQUIPMENT

Ref: (a) USD(AT&L) Memorandum, "Policy for Unique Identification (UID) of Tangible Items - New Equipment, Major Modifications and Reprocurements of Equipment and Spares," July 29, 2003
(b) DOD Directive 8320.03, "Unique Identification (UID) Standards for a Net-Centric Department of Defense," March 23, 2007
(c) DOD Instruction 8320.04, "Item Unique Identification (IUID)Standards for Tangible Personal Property," June 16, 2008
(d) USD(AT&L) "Department of Defense Guide to Uniquely Identifying Items: Assuring Valuation, Accountability and Control of Government Property," October 1, 2008
(e) USD(AT&L) "Program Manager's Planning Roadmap for Implementing Item Unique Identification (IUID),"June 10, 2005
(f) USD(AT&L) Memorandum, "Policy Update for Item Unique Identification (IUID) Tangible Personal Property," February 6, 2007
(g) USD(AT&L) Memorandum, "IUID DFARS Rule Compliance Reporting," December 4, 2007
(h) MCO 4855.10B
(i) MIL-STD-130N, "Identification Marking of U.S. Military Property," December 17, 2007
(j) USD(AT&L) Memorandum "Policy Update for Item Unique Identification of Tangible Personal Property, Including Government Property in the Possession of Contractors," May 12, 2005
(k) MIL-STD-129P, "Military Marking for Shipment and Storage," September 19, 2007
(l) Defense Federal Acquisition Regulation Supplement, Part 252.211.7003, "Item Identification and Valuation," August 2008
(m) MCO 4000.51B
(n) SECNAVINST 7320.10A
(o) DOD 4000.25-M Volume 2, "Defense Logistics Management System (DLMS)," March 1, 2003
(p) MCO P10150.1

Encl: (1) Definitions

1. Situation. This Order establishes Marine Corps policy, procedures and responsibilities for management of the Item Unique Identification (IUID) program for ground equipment in accordance with references (a) through (p). This Order does not apply to Marine Corps aviation assets which will be addressed by forthcoming IUID instructions from the Navy staff. IUID is a DOD system based on international standards of serially identifying items in inventory, enabling individual life-cycle management of otherwise identical items. Unique Identification (UID) is the overall DOD program that extends beyond IUID to assign globally

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unique identifiers to other entities, including acquisition programs and personnel. The term UID in some documents is used synonymously with IUID, and although the concept is common, IUID is specific to tangible DOD equipment referred to as personal property in certain references. IUID requires that qualifying items have a machine-readable, 2-dimensional data matrix inscribed either directly on the item or on a permanent label or data plate affixed to the item. The data matrix contains a set of data elements forming a Unique Item Identifier (UII) which can be read by Automatic Identification Technology (AIT) devices, commonly known as readers or scanners. The UII identifies an individual item distinctly from all other items within or outside of DOD inventory. Standardized use of the UII for serialized management within Automated Information Systems (AIS) improves data discovery and interoperability across acquisition and operational logistics domains, providing greater visibility throughout the logistics chain, and improved insight into the health of serialized items. This information will allow DOD to associate valuable business intelligence with an item throughout its life-cycle, thereby providing accurate information for asset management and valuation. IUID will provide the information foundation for Total Life Cycle Management (TLCM). More comprehensive information about the IUID program and OSD policy documents, guides, directives and instructions is available at www.acq.osd.mil/dpap/pdi/uid/index.html. The definitions applicable to this Order appear in enclosure (1).

2. Mission. Employ IUID within the Marine Corps by ensuring all ground equipment items meeting established criteria are IUID marked and registered, and opportunities are exploited for process improvement using UII within supply, maintenance and property accountability systems and processes.

3. Execution

a. Commander's Intent and Concept of Operations

(1) Commander's Intent

(a) To implement DOD policy, per references (a) and (b), in a coordinated effort to apply the IUID mark on all equipment meeting the following criteria established in reference (c):

1. All items for which the Government's unit acquisition cost is $5,000 or more.

2. Items for which the Government's unit acquisition cost is less than $5,000, when identified as DOD serially managed, mission essential or controlled inventory.

3. When the Government's unit acquisition cost is less than $5,000 and the program manager determines that permanent identification is required.

4. Regardless of value, (a) any DOD serially managed subassembly, component, or part embedded within an item and, (b) the parent item that contains the embedded subassembly, component or part.

(b) Ensure a coordinated effort among stakeholders to integrate IUID with current and future Marine Corps supply, maintenance and equipment accountability systems and processes.

(2) Concept of Operations. Ensure all items meeting the criteria are IUID marked. This includes a) application of an IUID mark to all accountable property and ground equipment items of supply meeting IUID criteria, b) registration of each UII with the DOD IUID Registry and with the Marine Corps IUID Data Repository (registering UII in Marine Corps IUID Data Repository not applicable for Garrison Property, Plant and Equipment recorded in Defense Property Accountability System [DPAS]), and c) ensuring that new acquisitions meeting IUID criteria have valid IUID labels and that the UIIs are registered. The IUID marking effort will occur on several fronts including new acquisitions, legacy items in the FMF and supporting establishments, within maritime and geographic prepositioning programs, and the logistics chain at depot level activities, Reparable Issue Points, Garrison Property (including Garrison Mobile Equipment), and in-stores. In conjunction with the marking of new and legacy items, Marine Corps logistics, supply, financial, acquisition, and information systems process owners will integrate the use of UIIs into AIS and processes that promote streamlining, improvement, effectiveness, and/or efficiency of equipment supply, maintenance, visibility and accountability efforts.

b. Subordinate Element Missions

(1) Deputy Commandant for Installations and Logistics (DC I&L)

(a) Develop and issue policy guidance for the Marine Corps IUID program in accordance with current and future DOD guidance. Ensure policy integration and establish a communication plan.

(b) Receive, review, and support program objective memorandum (POM) requirements for applicable Marine Corps IUID implementation.

(c) Serve as the principal Marine Corps representative in the joint community for policy matters pertaining to IUID.

(d) Chair the Marine Corps Enterprise IUID Working Group that oversees the implementation and metrics reporting for Marine Corps IUID.

(e) Ensure Serialized Item Management (SIM) policy and plans support the integration of UIIs with the logistics operational architecture.

(f) Implement IUID requirements for property accountability, supply and maintenance systems and processes. Incorporate IUID requirements into the Logistics Portfolio of the Marine Corps Enterprise Architecture and integrate into current and future logistics AIS.

(2) Deputy Commandant for Programs and Resources (DC P&R)

(a) Use IUID item level valuation (unit price) as registered in assorted logistics AIS to provide item level valuation and accounting as applicable per reference (c).

(b) Per reference (c), incorporate IUID requirements into the Marine Corps Planning, Programming, Budgeting, and Execution process as applicable.

(c) Provide membership to the Marine Corps Enterprise IUID Working Group and designate a single point of contact for all issues relating to IUID program planning.

(d) Use IUID-enabled data provided by mixed logistics AIS to support accurate asset valuation to achieve unqualified audit opinions on the Property, Plant, and Equipment and Operating Materials and Supplies portions of DOD Financial Statements.

(3) Deputy Commandant for Combat Development and Integration (DC CD&I). Incorporate IUID considerations into doctrinal planning, identify DOTMLPF implications, and include IUID in requirements and concepts development to exploit operational and logistical advantages enabled by IUID.

(4) Commander, Marine Corps Systems Command (MARCORSYSCOM)

(a) Provide a focal point within the Marine Corps for the legacy ground equipment marking efforts, to include planning and resourcing legacy marking effort.

(b) Per reference (c), plan IUID requirements and implementation strategies to ensure commonality and interoperability with AIT infrastructure requirements and IUID data management.

(c) Incorporate the use of UIIs into new MARCORSYSCOM managed procurement systems, financial systems, property accountability systems, supply chain management, maintenance management, and logistics systems, and into legacy systems when policy, resources, and technical capability allow.

(d) Select and provide a contract mechanism for a hardware and software suite for scanning, verification, validation, and marking to meet the array of needs within the Marine Corps. Ensure maximum commonality of hardware and software acquisitions.

(e) Per reference (f), aggressively require marking of equipment and ensure contract compliance to enable use of the UII.

(f) Ensure integration of IUID policy, use of the DOD IUID Registry and the Marine Corps IUID Data Repository into Business Enterprise Architecture.

(g) Ensure force structure data systems can consume or use IUID data, as appropriate, to identify tangible personal property.

(h) Include IUID in maintenance planning efforts, similar to any other weapon system component or capability, in order to ensure the longevity and utility of the IUID mark and associated data.

(i) Maintain and submit IUID implementation plans, to include timeline, per reference (f), for each program meeting the criteria at reference (c), defining resources, technology, AIT, and AIS requirements for IUID implementation.

(j) Per reference (c), employ the UII or DOD-approved equivalents in all unique item tracking, serial number tracking, and serialized item management (SIM) programs.

(k) Ensure IUID marking and embedded data quality are addressed in contract Quality Assurance Surveillance for new acquisitions and contracts to apply IUID marks on legacy equipment.

(l) Ensure that depot level maintenance Statements of Work include sustainment or initial application of IUID marks for all items meeting IUID criteria.

(m) Ensure that Program Managers plan for and implement IUID requirements in system design, test, resource planning, and Total Life Cycle Systems Management (TLCSM).

(n) Program Managers will identify and catalog principal end items, assemblies, sub-assemblies, components, tool sets and kits to be IUID marked per reference (d) for inclusion within their program-specific IUID implementation plans.

(o) Per reference (f), submit to the DOD IUID Program Office an IUID implementation plan for each new ACAT program within 90 days of ACAT designation, and submit updated plan annually.

(p) Semi-annually survey and report to DPAP/PDI on compliance with the DFARS IUID contract clause per reference (g), coordinate and provide a final copy to DC, I&L.

(q) Ensure new items of equipment are designed with IUID marked components to include direct part marking, where required.

(r) Provide membership to the Marine Corps Enterprise IUID Working Group, and designate points of contact for legacy IUID marking, AIT, and IUID program implementation within MARCORSYSCOM.

(s) Ensure that government/contractor furnished equipment/property (GFE/GFP/CFE) and government property in possession of contractors (PIPC) are included in IUID planning for identifying and marking, and that PEI GFE are assigned UII using the same process as non-GFE PEI in the Marine Corps inventory.

(t) Program managers and process owners ensure that the life cycle data collection, data management, and accountability benefits of IUID are exploited to improve TLCM for each system.

(5) Commanding General, Marine Corps Logistics Command (CG MARCORLOGCOM)

(a) Resource and implement IUID requirements for Logistics Command managed procurement, financial, property accountability, supply chain management, maintenance management, and logistics systems and processes.

(b) Ensure processes for lost, damaged, unreadable, unregistered or incorrect IUID data are captured in the Product Quality Deficiency Report (PQDR) process per reference (h) and Supply Discrepancy Report (SDR) process per reference (o).

(c) Develop and maintain the capability to refresh/replace IUID marks on items during depot level maintenance and storage.

(d) Develop the capability and capacity to mark and register associated data for identified PEI, assemblies, sub-assemblies, components, tool sets and kits in work at the Maintenance Centers, Fleet Support Divisions and the maritime geographic prepositioning program to include Norway per reference (i).

(e) Provide membership to the Marine Corps Enterprise IUID Working Group and designate a single point of contact for all issues relating to IUID program planning and implementation within MARCORLOGCOM.

(f) Ensure IUID marks and associated data are AIT readable, registered in the DOD IUID Registry, and are reference (i) compliant during acceptance at inventory control points for newly acquired items, items returning from contracted or inter-service overhaul, rework, or modification.

(g) Ensure IUID marking and embedded data quality is addressed in contract Quality Assurance Surveillance for new materiel acquisitions initiated by MARCORSYSCOM.

(h) Ensure the Maintenance Centers plan and resource IUID marking equipment for life cycle management and sustainment.

(6) Marine Forces Commanders (MARFORS). Create and enforce policies within your commands to ensure IUID labels remain on equipment and are utilized in local procedures where applicable.

(7) Installation Commanders. Ensure Base Property Officers apply IUID labels to base property items accounted for via DPAS in accordance with guidance from HQMC, I&L and reference (c).

c. Coordinating Instructions

(1) Per reference (c), when contracting for a new item, major modification, reprocurement for equipment and spares meeting the thresholds in paragraph 3.a.(1)(a), the requiring activity will insert the DFAR clause 252.211.7003, per reference (l), and will reference MIL-STD-130 or plan an alternative implementation that will result in IUID marking and registration no later than 30 days after receipt of materiel.

(2) Enterprise compliance of IUID includes the use of UII enabled by AIT, Electronic Data Interchange (EDI), and the DOD IUID Registry. Additionally, UII shall be used globally as a common key in financial, property accountability, acquisition, supply, maintenance and logistics AIS to identify serialized items.

(3) IUID implementation for property in possession of contractors (PIPC) and government furnished property (GFP) will be per reference (j).

(4) IUID Marking Activities for legacy ground equipment shall:

(a) Mark items in accordance with applicable Marine Corps or Primary Inventory Control Authority (PICA) technical instructions (TIs), except as otherwise noted herein.

(b) Mark individual and crew-served weapons using the TI that is specific to that weapon system.

(c) In cases of PEI and other items with data plates that meet criteria in paragraph 3.a.(1)(a) where item specific marking instructions have not yet been generated, ensure UII data is be incorporated into the existing data plates if space is available, or apply supplemental UII data plates in the vicinity of existing data plates with a priority of (1) below, (2) above, (3) left and (4) right, in relation to the existing data plate. UII marks will not change the form, fit or function of the item marked.

(d) Ensure application of IUID mark does not void any manufacturer's warranties in effect.

(e) Register the UIIs in the DOD IUID Registry as labels are applied and validated. Capture UIIs and their pedigree data in accordance with the list of pedigree data requirements per reference (c). The DOD IUID Registry is maintained by the DLA's Defense Logistics Information Service (DLIS), and can be accessed at https://www.bpn.gov/iuid/.

(f) Submit data available for inclusion in the applicable Marine Corps IUID Data Repository.

(g) Ensure items are not disassembled for the sole purpose of applying an IUID mark. Items will not be taken out of level A pack to be IUID marked. Intent is to mark available equipment, assemblies, sub-assemblies, etc. as they are exposed and available in the course of employment, issue and maintenance.

(h) Acquire only Logistics Portfolio Management Board approved hardware and software solutions to scan, verify, create and validate IUID marks.

(i) Mark shipment/storage containers and packages that contain uniquely identified items IAW reference (k).

(j) Do not use virtual UIIs except in the case of base property items accounted for in DPAS.

(5) Report deficiencies IAW PQDR process, per reference (h).

4. Administration and Logistics

a. Directives issued by the Commandant of the Marine Corps are published electronically and can be accessed via the Marine Corps homepage at: http://www.usmc.mil.

b. Access to on-line medium shall suffice for directives that can be obtained from the internet, CD-ROM or other sources. For the purpose of inspection, electronic files shall suffice and need not be printed. Hard copy and CD-ROM versions of Marine Corps directives can be obtained through the Marine Corps Publications Distribution System.

5. Command and Signal

a. Command. This Order is applicable to the Marine Corps Total Force.

b. Signal. This Order is effective the date signed.

F. PANTER
Deputy Commandant for
Installations and Logistics

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Definitions

1. Acceptance. A formal certification that the goods or services have been received and that they conform to the terms of the contract.

2. Accountable Property. The property recorded in the accountable property system of record.

3. Accountable Property System of Record. The system used to control and manage accountable property records; a subset of existing organizational processes related to the lifecycle management of property; the system that is integrated with the core financial system.

4. Controlled Inventory Items. Property with characteristics that may require them to be identified, accounted for, secured, segregated, or handled in a special manner to ensure their safekeeping and integrity.

5. Defense Property Accountability System (DPAS). USD(AT&L) administered web-enabled software application serving the logistical needs of a significant portion of the Department of Defense. It provides activities with an automated system for asset management of government property records (Personal property, heritage assets, Government Furnished Equipment and Internal Use software) of any value. The system integrates physical control records, IUID requirements and financial information relative to Defense property, and automatically calculates depreciation for capital assets ($100,000 or greater) using the straight-line method. DLA policy requires that all capital assets be recorded in the Defense Property Accountability System (DPAS). Peripheral equipment used with DPAS is bar-code/IUID scanners and printers as AIT.

6. Equipment. Personal Property that is functionally complete for its intended purpose, durable and nonexpendable. Equipment generally has an expected service life of 2 years or more; is not intended for sale; does not ordinarily lose its identity or become a component part of another article when put into use; has been acquired or constructed with the intention of being used.

7. Government Furnished Equipment or Property (GFE/GFP). Any property in the possession of, or directly acquired by, the Government and subsequently furnished to the contractor for performance of a contract. Contractor Acquired Property that is subsequently delivered to the Government for use on the same or another contract is considered Government Furnished Property.

8. Item Unique Identification (IUID). DOD system of marking and registering items delivered to DOD with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. For items that are serialized within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier and a unique serial number. For items that are serialized within the part, lot, or batch number within the enterprise identifier, the unique item identifier shall include the data elements of the enterprise identifier; the original part, lot, or batch number; and the serial number.

9. IUID Registry. The IUID Registry captures, retains, and provides current and historical data regarding uniquely identified tangible items enabling net-centric data discovery, 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. The IUID Registry is the central repository for IUID information and serves as an acquisition gateway to identify: what the item is; how and when it was acquired; the initial unit cost of the item; current custody (government or contractor); and how it is marked.

10. Marine Corps IUID Data Repository. The AIS that stores and maintains serialized data related to each UII, and provides updates to the DOD IUID Registry. This will be the Marine Corps Temporary Data Storage (TDS) for ground equipment until migration to GCSS-MC.

11. Logistics Modernization. A comprehensive Marine Corps approach to improving tactical and operational logistics by integrating and simplifying the critical logistics functions of supply, maintenance, and distribution

12. Network Centric Operations and Warfare (NCOW). Processes by which DOD will translate information superiority into combat power by effectively linking knowledgeable entities in the battlespace. NCOW is an information-enabled concept of operations that generates increased combat power by networking sensors, decision makers, and shooters. This enables shared awareness, increased speed of command, higher tempo of operations, greater lethality, increased survivability, and a degree of self-synchronization.

13. Serially Managed. Designation by a DOD or Service Item Manager for a tangible item to be uniquely tracked, controlled or managed in maintenance, repair and/or supply by means of its serial number.

14. Parent item. The item assembly, intermediate component, or subassembly that has an embedded item with a unique item identifier or DOD recognized unique identification equivalent.

15. Personal Property. All property (systems/equipment, materials, and supplies) except real property (land and improvements to land, i.e., facilities), and records of the Federal Government.

16. Product Quality Deficiency. A defect or nonconforming condition which limits or prohibits the item from fulfilling its intended purpose. Included are deficiencies in design, specifications, materiel, manufacturing, operation, and workmanship.

17. Product Quality Deficiency Report (PQDR). The SF 368 form or other approved format used to record and transmit product quality deficiency data.

18. Property in the Possession of the Contractor (PIPC). Tangible personal property, to which the Government has title, that is in the stewardship or possession of, or is controlled by, the Contractor for the performance of a contract. PIPC consists of both tangible Government-furnished property and Contractor-acquired property and includes equipment and material.

19. Quality Deficiency Data. Information (based on objective evidence) provided by an activity concerning unsatisfactory (government or contractor) materiel. The data can be as simple as the originating point's internal report form that initially recorded the deficiency. Of prime importance is the requirement for documentation which is based on direct examination, test, procedural review, etc.

20. Receiving. The process of accepting and initiating the property accountability process; its primary role is the validation of the item(s) with its accompanying support documentation, e.g., shipment notice, purchase order, documenting count, condition, damage, or other discrepancies.

21. Supply Discrepancy Report (SDR). The SDR is a tool used to report shipping or packaging discrepancies attributable to the responsibility of the shipper, (including Government sources, contractors/ manufacturers or vendors) and to provide appropriate responses and resolution. The purpose of this exchange is to determine the cause of such discrepancies, effect corrective action, and prevent recurrence.

22. Total Life Cycle Management (TLCM). The formal process to identify, analyze, and implement synergistic "cradle to grave" solutions that optimize the acquisition/logisitics chain across the Marine Corps in support of the Operating Forces.

23. Unique Item Identifier (UII). A set of data elements marked on items that is globally unique and unambiguous. The term includes a concatenated unique item identifier or a DOD recognized unique identification equivalent.