

Item Unique Identification (IUID) Implementation Planning Guide



Version 1.1
August 6, 2013

Office of the Under Secretary of Defense
(Acquisition, Technology & Logistics)

1. Introduction

1.1. Purpose

This document provides guidance for planning the implementation of Department of Defense (DoD) item unique identification (IUID) policy. Planning for application of IUID requirements should begin once a program has been formally established. IUID requirements should be integrated into the following:

- Engineering assessments
- Manufacturing
- Maintenance
- Technical data
- Configuration management
- Integrated logistics support

1.2. Scope

The scope for application of IUID requirements includes items being procured under new solicitations and on-going contracts, government-furnished property (GFP), and items in operational use, inventory or undergoing depot maintenance or overhaul, also known as legacy items.

1.3. Policy and Regulatory Requirements

- DoD Instruction 8320.04, “Item Unique Identification (IUID) Standards for Tangible Personal Property, June 16, 2008, requires that qualifying new procurement, legacy items, and GFP, as defined by Paragraph 5.3, shall be marked in accordance with the latest version of MIL-STD-130 and registered in the DoD IUID Registry.
- Defense Federal Acquisition Regulations Supplement (DFARS) 211.274, “Item identification and valuation requirements”, latest version, contains the policy that the clauses at DFARS 252.211-7003 and DFARS 252.211-7007 shall be included in solicitations and contracts that require the delivery of one or more items.
- DFARS 252.211-7003, “Item Identification and Valuation”, latest version, contains the requirements for marking unique item identifiers (UII) on items procured under new contracts.
- DFARS 252.211-7007, “Reporting of Government-Furnished Property (GFP)”, latest version, contains the requirements for reporting GFP items to the DoD IUID Registry.
- MIL-STD-130, “Identification Marking of U.S. Military Property”, latest version, contains the criteria for development of specific marking requirements and

methods for identification of items of military property produced, stocked, stored, and issued by DoD. It also provides the criteria and data content for both free text and machine-readable information applications of item identification marking and includes the IUID requirements of DFARS 211.274.

- MIL-STD-129, “Military Marking for Shipment and Storage”, latest version, contains the minimum requirements for uniform military marking for shipment and storage. It also incorporates requirements for identification of shipments and storage containers and packages that contain uniquely identified items.

2. IUID Implementation Tasks

2.1. IUID Implementation Strategy

Describe the overall implementation strategy, to include:

- Identify individual items which will comprise the population to which IUID policies and requirements apply.
 - DFARS 211.274-2 delineates criteria which apply to new acquisitions.
 - DoD Instruction 8320.04 specifies the criteria for legacy items, including GFP.
 - Additional items may be added to the population after consideration of various programmatic decisions such as, planned acquisition of spare parts, maintenance philosophies, anti-counterfeiting measures, what business practices will be supported by automatic identification technology (AIT), or the desire to support common business practices across the program’s inventory.
- Address AIT infrastructure requirements, to include maintenance, information assurance, training, and supply support. Consider any impact organic manufacturing and/or deployable assets may have on the AIT infrastructure when addressing the requirements.
- Describe strategies for IUID marking of legacy items in inventory or on contract, depot manufactured items, and GFP.
- Describe strategies for entry of UIIs and associated data into the DoD IUID Registry upon initial submission and updates throughout the lifecycle using electronic data exchange facilitated by AIT.
- Describe strategies for minimizing the costs of incorporating IUID marking requirements into technical documentation.
- Describe strategies to integrate IUID in configuration and document management to support objectives for total asset visibility, lifecycle inventory management,

serialized item management (SIM), performance based logistics (PBL) arrangements, and streamlining of logistics.

- Identify the role of IUID visibility within analyses for reliability, maintainability, availability, and root-cause failures.
- Describe strategies for leveraging IUID to improve or enhance business processes as may apply to increased data accuracy, efficient data collection, or enforcing business rules within the program.
- Describe the sustainment strategy for IUID throughout the life of the program.
- List metrics for measures of success applied to the acquisition category (ACAT) program and exit criteria for significant events.
- List implementation events and their scheduled completion dates.

2.2. Budget Requirements

Provide estimates of non-recurring and recurring costs for implementation events by fiscal year through program completion.