

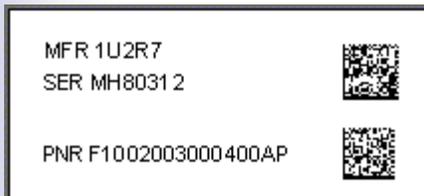


Department of Defense Item Unique Identification (IUID)

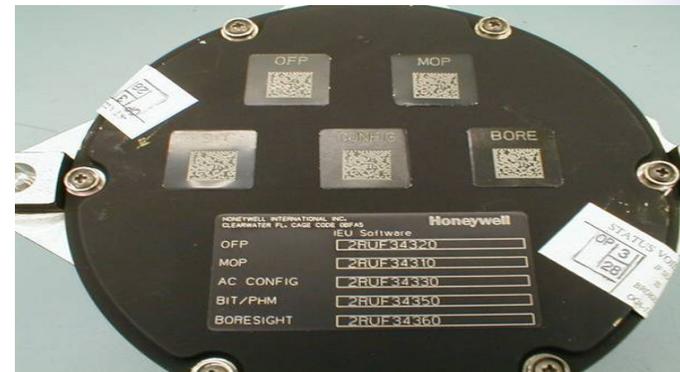
What is IUID?

Item Unique Identification (IUID) is a system of distinguishing one object from another, allowing DoD to track identical objects separately.

IUID requires that qualifying items have a data matrix inscribed either directly on the item or on a permanent machine-readable label affixed to the item.



The data matrix contains a set of data elements that can be concatenated to form a Unique Item Identifier (UII). The UII identifies an individual item distinctly from all other items that DoD buys and owns.



This information allows DoD to associate valuable business intelligence with an item throughout its life-cycle, thereby providing accurate information for tracking and valuation of items.





Department of Defense Item Unique Identification (IUID)

What comprises a UII?



In today's world, many items we buy have identification on them that indicate the manufacturer or distributor of the product and the product type (e.g., 12oz can of Coca-Cola Classic).



Two identical cans of Coke from the same bottling plant will show the same data on the Universal Product Code (UPC).



Some items also have a serial number that differentiates one item from another identical item (e.g., the 24th engine off the assembly line is different from the 1024th).

Serial numbers are unique, but not outside of their enterprise – the serial number assigned by XYZ Manufacturer could be the same as one assigned by ABC Company.



By combining enterprise identification, item class and serialization, a globally unique item identifier is created that differentiates every item from other items.

Each item has its own globally unique identifier (UII).



Department of Defense Item Unique Identification (IUID)

Why use IUID?

IUID lowers the cost of item management as a result of being able to consistently capture the value of items purchased, control items during their use, and combat counterfeiting of parts.

IUID improves item availability and reduces frustrated freight as a result of an increased availability of data, more efficient item management, and increased asset visibility.

IUID increases asset visibility and traceability by capitalizing on evolving best commercial practices.

IUID helps achieve clean audit opinions on the Property, Plant, and Equipment and Operating Materials and Supplies Portions of DoD Financial Statements.

IUID improves long term inventory management and strategic purchasing as a result of more accurate and available data.





Department of Defense Item Unique Identification (IUID)

What will IUID provide?

- Comprehensive, timely data about each uniquely identified item throughout the supply chain
 - Generation, collection and analysis of maintenance data
 - End-to-end tracking and traceability of unique items
 - Reliability and maintainability information on each item throughout its life cycle
- Improved supply chain efficiency
 - Administrative cost reduction
 - Reduced stock levels
 - Simplicity, standardization, speed and certainty in automated data capture and electronic information exchange
- Integrated transportation and movement of individually identified items
- Leveraged commercial technologies and practices



Department of Defense Item Unique Identification (IUID)

What items need a UII?

DoD unique item identification, or a DoD recognized unique identification equivalent, is required for:

- **All delivered items where unit acquisition cost is \$5,000 or more;**
- **Items less than \$5,000 when identified by the requiring activity as serially managed, mission essential, or controlled inventory;**
- **Items less than \$5,000 when the requiring activity determines that permanent identification is required;**
- **Regardless of value,**
 - **Any DoD serially managed** subassembly, component, or part embedded within a delivered item
 - **The parent item that contains the embedded** subassembly, component, or part.



Department of Defense Item Unique Identification (IUID)

Who is affected by IUID?

Contractors

Military Program Managers and Acquisition Officers

DoD Acquisition Officers

Depot Managers

IUID is mandatory for all new solicitations and contracts issued after January 1, 2004. IUID is also required for all legacy items with existing serialized items to be registered by 2007 and marking to be complete by 2010. All Government Furnished Property (GFP) must meet the IUID policy requirements by January 1, 2006.



IUID will be a cornerstone of DoD Business Transformation.

- Michael W. Wynne, Under Secretary of Defense (AT&L), 2005