


INTEGRATED LIST OF EXISTING ITEM UNIQUE IDENTIFICATION (IUID) DEFINITIONS AND ACRONYMS

As of: June 8, 2005

Word or Phrase	Definition	Source
Automatic identification device	A device, such as a reader or interrogator, used to retrieve data encoded on machine-readable media.	252.211-7003
Compliant unique item identifier	For DoD purposes, a compliant UII is either a Construct #1, Construct #2, Global Individual Asset Identifier (GIAI), Global Returnable Asset Identifier (GRAI), Vehicle Identification Number (VIN), or Electronic Serial Number ((ESN), for cell phones only), all of which have their data elements encoded in a data matrix in the ISO/IEC 15434 syntax with ISO/IEC 15418 or ATA CSDD ¹ semantics.	DoD Guide to Uniquely Identifying Items
Concatenate	To link together in a series or chain.	Merriam-Webster Online Dictionary
Concatenated unique item identifier	<ol style="list-style-type: none"> 1. For items that are serialized within the enterprise identifier, the linking together of the unique item identifier data elements in order of the issuing agency code, enterprise identifier, and unique serial number within the enterprise identifier; or 2. For items that are serialized within the original part, lot or batch number, the linking together of the unique item identifier data elements in order of the issuing agency code, enterprise identifier, original part, lot or batch number, and serial number within the part, lot or batch number. 	252.211-7003

¹ Air Transport Association Common Support Data Dictionary

Word or Phrase	Definition	Source
Controlled inventory	Those items that are designated as having characteristics that require that they be identified, accounted for, segregated, or handled in a special manner to ensure their safeguard and integrity. Includes classified items (require protection in the interest of national security), sensitive items (require a high degree of protection and control due to statutory requirements or regulations, such as precious metals; items of high value, highly technical, or hazardous nature; and small arms), and pilferable items (items having a ready resale value or application to personal possession, which are especially subject to theft) (See DoD 4100.39-M, Volume 10, Table 61); and safety controlled items.	
Custodian	The enterprise that has stewardship accountability of an item, i.e., responsibility for the control of, transfer and movement of, and access to, equipment and material. Custody also includes the maintenance of accountability for equipment and material.	Based on the definition of “custody” from the JCS DoD Dictionary
Data carrier	The medium selected to record, transport or communicate data. For unique identification purposes, the data carrier is the Data Matrix symbol.	The American Heritage Dictionary

Word or Phrase	Definition	Source
Data Matrix	<p>A two-dimensional matrix symbology containing dark and light square data modules. It has a finder pattern of two solid lines and two alternating dark and light lines on the perimeter of the symbol. A two-dimensional imaging device such as a charge-coupled device camera is necessary to scan the symbology. Data Matrix is designed with a fixed level of error correction capability. It supports industry standard escape sequences to define international code pages and special encodation schemes. Data Matrix is used for small item marking applications using a wide variety of printing and marking technologies. The data matrix symbol looks like this:</p> 	See ANSI/AIM BC11 International Symbology Specification - Data Matrix
Data qualifier	A specified character (or string of characters) that immediately precedes a data field that defines the general category or intended use of the data that follows.	252.211-7003
DoD item unique identification²	A system of marking items delivered to the Department of Defense with unique item identifiers that have machine-readable data elements to distinguish an item from all other like and unlike items. Items are marked with a Data Matrix, the contents of which are encoded in the syntax of ISO/IEC 15434 and the semantics of ISO/IEC 15418 or the ATA CSDD ³ . The Data Matrix contents may be either a Unique Item Identifier (Construct #1 or Construct #2) or a DOD recognized IUID equivalent.	211.274

² Formerly known as DoD unique item identification.

³ Text Element Identifiers are taken from the Air Transport Association Common Support Data Dictionary.

Word or Phrase	Definition	Source
DoD serially managed items	<p>Includes reparable items down to and including sub-component reparable unit level; life-limited, time-controlled, or items requiring records (e.g., logbooks, aeronautical equipment service records, etc.); and items that require technical directive tracking at the part level.</p> <p>A distinction must be made between “serialized items” and “DoD serially managed” items. While DoD may use an item that has been serialized by the manufacturer, DoD may not manage the item by means of its serial number. When DoD elects to serially manage an item it becomes "DoD serially managed". This means it is a tangible item used by DoD, <i>which is designated by a DoD, or Service Item Manager</i> to be uniquely tracked, controlled or managed in maintenance, repair and/or supply by means of its serial number⁴</p>	DUSD(Logistics & Material Readiness) Memorandum, September 4, 2002, Serialized Item Management
DoD recognized unique identification equivalent	A unique identification method that is in commercial use and has been recognized by DoD. The IUID equivalents are the Global Individual Asset Identifier (GIAI), Global Returnable Asset Identifier (GRAI), Vehicle Identification Number (VIN), and Electronic Serial Number ((ESN), for cell phones only). While the constructs are equivalent, they must be placed on the items in a Data Matrix symbol encoded with ISO 15434 syntax and semantics of ISO 15418 in order to be compliant with DoD IUID policy.	252.211-7003
Enterprise	The entity (e.g., a manufacturer or vendor) responsible for assigning unique item identifiers to items.	252.211-7003
Enterprise identifier	A code that is uniquely assigned to an enterprise by a registered issuing agency.	252.211-7003

⁴ A serial number is an assigned combination of numbers and/or letters to an item instance that separately identifies that item instance from all others.

Word or Phrase	Definition	Source
Equipment	<p>A tangible article of personal property that is complete in-and-of itself, durable, nonexpendable, and needed for the performance of a contract. Equipment generally has an expected service life of one year or more, and does not ordinarily lose its identity or become a component part of another article when put into use.</p> <p>Includes military equipment, support equipment, general-purpose equipment, special test equipment, and special tooling. Includes Class VII, Major End Items, a final combination of end products that is ready for its intended use, that is, launchers, tanks, mobile machine shop, and vehicles, etc. It does not include real property, reparables, consumables or materials.</p>	4140.1-R
Innate serialized identity	<p>The essential inherent data elements that are physically and permanently placed on an item at original manufacture, subsequent overhaul, or during operations to distinguish it from all other like items, which can be read from either a human or machine-readable format. For contractors with possession of Government property, this may be the asset identification number they use to track the item.</p>	Adapted from the definition of “innate” and “serial” in the American Heritage Dictionary and the definition of “unique item identifier” listed below.
Issuing agency	<p>An organization responsible for assigning a non-repeatable identifier to an enterprise (i.e., Dun & Bradstreet's Data Universal Numbering System (DUNS) Number, Uniform Code Council (UCC)/EAN International (EAN) Company Prefix, Allied Committee 135 Commercial and Government Entity (CAGE) Code) or DoD Activity Address Code (DODAAC).</p>	252.211-7003
Issuing agency code	<p>A code that designates an agency with authority to issue unique enterprise identifiers.</p>	252.211-7003
Item	<p>A single hardware article or unit formed by a grouping of subassemblies, components, or constituent parts.</p>	252.211-7003(a)

Definitions

Word or Phrase	Definition	Source
Item essentiality	A measure of an item's military worth in terms of how its failure (if a replacement is not immediately available) would affect the ability of a weapon system, end item, or organization to perform its intended functions.	AP16.61 4140.1-R
Item identification	Sufficient data to establish the essential characteristics of an item that give the item its unique character and differentiate it from other supply items.	4140.1-R
Legacy items	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 for use.	USD(AT&L) Memorandum, dated 23 Dec 04, Policy for Unique Identification (UID) of Tangible Personal Property Legacy Items in Inventory and Operational Use, Including Government Furnished Property (GFP)
Lot/Batch number	An identifying number assigned by the enterprise to a designated group of items, usually referred to as either a lot or a batch, all of which were manufactured under identical conditions.	252.211-7003
Machine-readable media	An automatic information technology media, such as bar codes, contact memory buttons, radio frequency identification, or optical memory cards.	252.211-7003
Marking	The application of legible numbers, letters, labels, tags, symbols, or colors to ensure proper handling and identification during shipment and storage.	4140.1-R
Mission essential	A measure of an item's military worth in terms of how its failure (if a replacement is not immediately available) would affect the ability of a weapon system, end item, or organization to perform its intended functions.	4140.1-R

Definitions

Word or Phrase	Definition	Source
Operating materials and supplies	Personal property to be consumed in normal operations. Excluded are (a) goods that have been acquired for use in constructing real property, (b) stockpile materials, and (c) inventory. FMR, Volume 4, Chapter 4, Operating Materials and Supplies and Stockpile Materials, January 1995.	7000.14
Original part number	A combination of numbers or letters assigned by the enterprise at asset creation to a class of items with the same form, fit, function, and interface.	252.211-7003
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.	252.211-7003
Personal property	Property of any kind or any interest therein, except real property.	JCS DoD Dictionary
Pilferable items	Items that have a ready resale value or application to personal possession and that are, therefore, especially subject to theft. (See DoD 4100.39-M, Volume 10, Table 61)	E2.1.12.3 5000.64
Property accountability record	The official record of personal property, including inventory, owned by the Department that is maintained to identify the quantities of items on-hand, unit prices, locations, physical condition, receipt and issue records, authorized stock numbers, item descriptions, and other such information necessary to properly account for materiel and exercise other inventory management responsibilities.	AP16.104 4140.1R
Registration authority	Refers to the Nederlands Normalisatie-instituut (NEN), Registration Authority for ISO/IEC 15459, which is responsible for assigning codes to issuing agencies with conforming systems for issuance of unique enterprise identifiers.	252.211-7003

Definitions

Word or Phrase	Definition	Source
Sensitive items	Items that require a high degree of protection and control due to statutory requirements or regulations, such as narcotics and drug abuse items; precious metals; items that are of a high value, highly technical, or a hazardous nature; and small arms, ammunition, explosives, and demolition material. (See DoD 4100.39-M, Volume 10, Table 61)	E2.1.12.2 5000.64
Serialization within the enterprise identifier	Each item produced is assigned a serial number that is unique among all the tangible items produced by the enterprise and is never used again. The enterprise is responsible for ensuring unique serialization within the enterprise identifier.	252.211-7003
Serialization within the part, lot or batch number	Each item of a particular part, lot or batch number is assigned a unique serial number within that part, lot or batch number assignment. The enterprise is responsible for ensuring unique serialization within the part, lot or batch number within the enterprise identifier.	252.211-7003

Word or Phrase	Definition	Source
Unique item identifier	<p>The unique item identifier (UII) is defined in two separate contexts:</p> <ol style="list-style-type: none"> 1. <u>DoD UII Data Set</u>. A UII is a set of data elements marked on an item that is globally unique and unambiguous. For items that are serialized within the enterprise identifier, the UII data set includes the data elements of enterprise identifier and a unique serial number (Construct #1). For items that are serialized within the part, lot or batch number within the enterprise identifier, the UII data set includes the data elements of enterprise identifier, the original part, lot or batch number, and the serial number (Construct #2). 2. <u>Use</u>. The generic term, UII, has evolved through usage to mean the concatenated UII as a common data base key without regard to the data set construct being used. In this context, the term "UII" may be used to designate UII Constructs #1 and #2, or the DoD recognized IUID equivalents of Global Individual Asset Identifier (GIAI), Global Returnable Asset Identifier (GRAI), Vehicle Identification Number (VIN), or Electronic Serial Number ((ESN), for cell phones only). 	252.211-7003
Unique item identifier type	<p>A designator to indicate which method of uniquely identifying a part has been used. The current list of accepted unique item identifier types is maintained at http://www.acq.osd.mil/dpap/UII.</p>	252.211-7003
Unit acquisition cost	<ol style="list-style-type: none"> 1. For fixed-price type line, subline, or exhibit line items, the unit price identified in the contract at the time of delivery; and 2. For cost-type line, subline, or exhibit line items, the Contractor's estimated fully burdened unit cost to the Government for each item at the time of delivery. 	252.211-7003
Virtual unique item identifier	<p>The UII data elements for an item that have been captured in a database, but not yet physically marked on the item.</p>	DoD Guide to Virtual Unique Item Identifiers, 29 Dec 04

ACRONYMS

ACRN	Accounting Classification Reference Number
ADC	Automatic Data Capture
AIS	Automated Information System
AIT	Automatic Identification Technology
ANS	American National Standard
ANSI	American National Standard Institute
ANSI/EIA	American National Standard Institute/Electronic Industries Alliance
ANSI T1.220 Number	North American Telecommunication Industry Manufacturers, Suppliers, and Related Service Companies
ASC	Accredited Standards Committee
ATA	Air Transport Association
CAG	Text Element Identifier for CAGE
CAGE	Commercial And Government Entity
CDRL	Contract Data Requirements List
CFO	Chief Financial Officers
CJCSI	Chairman of the Joint Chiefs of Staff Instruction
CLEI	COMMON LANGUAGE® Equipment Identification
CLIN	Contract Line Item Number
CSDD	Common Support Data Dictionary published by the ATA
D	Issuing Agency Code for CAGE Numbers
DCMA	Defense Contract Management Agency
DFARS	Defense Federal Acquisition Regulation Supplement
DLMS	Defense Logistics Management System
DoD	Department of Defense
DoDAAC	Department of Defense Activity Address Code
DoDD	Department of Defense Directive
DoDI	Department of Defense Instruction
DUN	Text Element Identifier for DUNS Number
DUNS® Number	Dun & Bradstreet Data Universal Numbering System number
EAN	European Article Numbering
EAN.UCC	European Article Numbering Uniform Code Council
EHIBCC	European Health Industry Business Communications Council
EIA	Electronic Industries Alliance
EID	Enterprise Identifier
ESN	Electronic Serial Number

EUC	Text Element Identifier for EAN.UCC
FAR	Federal Acquisition Regulation
FASAB	Federal Accounting Standard Advisory Board
FMEA	DoD Financial Management Enterprise Architecture
FMIP	Financial Management Improvement Plan
FMMP	DoD Financial Management Modernization Program
FMR	DoD Financial Management Regulation
FMS	Foreign Military Sales
GAO	General Accounting Office
GIAI	Global Individual Asset Identifier
GRAI	Global Returnable Asset Identifier
GTIN™	Global Trade Item Number™
HIBCC	Health Industry Business Communications Council
IAC	Issuing Agency Code
ID	Identification
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization
ISO/IEC 15418	EAN/UCC Applications Identifiers and ASC MH 10 Data Identifiers and Maintenance
ISO/IEC 15434	Syntax for High Capacity ADC Media
ISO/IEC 15459-2	Unique Identifiers for Item Management
IUID	Item Unique Identification
JCS	Joint Chiefs of Staff
JRIB	Joint Requirements Implementation Board
JTC 1	ISO/IEC Joint Technical Committee One
LB	Issuing Agency Code for ANSI T1.220 Numbers
LD	Issuing Agency Code for DoDAAC Numbers
LH	Issuing Agency Code for EHIBCC Numbers
MFR	Text Element Identifier for CAGE Code of the Manufacturer
MIL HDBK	Military Handbook
MIL STD	Military Standard
MILSTRAP	Military Standard Transaction Reporting and Accounting Procedures
MH 10	The US Technical Advisory Group to ANSI

Definitions

NATO	North Atlantic Treaty Organization
NCAGE	NATO Commercial And Government Entity
NEN	Nederlands Normalisatie-instituut
OEM	Original Equipment Manufacturer
OSD	Office of the Secretary of Defense
PNO	Text Element Identifier for Original Part Number
PP&E	Property, Plant and Equipment
SC 31	ISO Sub Committee 31 (Automatic Data Capture)
SER	Text Element Identifier for Serial Number assigned by the Manufacturer
SEQ	Text Element Identifier for Serial Number assigned within the Original Part Number
SLIN	Sub Line Item Number
SPL	Text Element Identifier for CAGE Code of Enterprise other than the Manufacturer
TC	ISO Technical Committee
TEI	Text Element Identifier
TG	US TAG Technical Group
UCC	Uniform Code Council
UCN	Text Element Identifier for Unique Component Number assigned by Enterprise other than the Manufacturer
UID	Unique Identification; Text Element Identifier for Concatenated Unique Item Identifier
UII	Unique Item Identifier
UN	Issuing Agency Code for DUNS Numbers
USD (AT&L)	Undersecretary of Defense for Acquisition, Technology and Logistics
USN	Text Element Identifier of Universal Serial Number formed by Concatenating MFR+SER
UST	Text Element Identifier of Universal Serial Tracking Number formed by Concatenating SPL+UCN
US TAG	U.S. Technical Advisory Group
VIN	Vehicle Identification Number
WG	ISO Working Group