IUID Flat File Specification, Version 2 - Final

Unique Identification (UID) Integration

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IUID Flat File Specification

Purpose

This document provides an alternate, flat file format to the IUID Registry XML format (IUID Schema Version 3.4) for providing data to the IUID Registry. It has the same capability as the IUID Registry XML format to record end and embedded items for legacy and newly procured populations as well as record mark, custody, part number, disposition, and parent information and changes.

Implementation

While the capability to process IUID Flat File Version 1 (IUID Schema Version 3.0) and IUID Flat File Version 2 (IUID Schema Version 3.4) is fully implemented and supported, IUID Flat File Version 1 will eventually be retired. Entities that use IUID Flat File Version 1 should convert to IUID Flat File Version 2 as rapidly as possible.

General Instructions

The following pages describe each individual record and its elements. A description of each column is:

Field Name   Contains the name of the element.

Format   The format of the element:

A	Alphabetic characters only (a-z, A-Z)
AN	Alphanumeric characters (a-z, A-Z, 0-9)
DT	Date in the format CCYY-MM-DD (i.e. 2005-07-15).
Nv	Numeric; no special characters such as dollar sign or cents ('\$' or '¢'); if decimal point ('.'), v is number of digits to the right; if no decimal point v is replaced with '0' (zero).
R	Real numbers only; floating decimal point allowed ('.'); no dollar sign ('\$').

Min/Max   Denotes minimum and maximum size of the element. For example, a min/max of 3/6 means that the data value must be at least three characters long and cannot exceed six characters.

Req   Specifies whether an element is required or not:

C	Conditional; requirement depends on value or appearance of other elements.
I	Not used when sending data to the IUID Registry.
M	Mandatory; must always be provided.
O	Optional; may or may not be provided.

Description   Provides a brief description of the data element and where applicable, a list of valid values and element dependencies.

Each file is made of several records. The first record must be a File Header Record and the last record must be a File Trailer Record. In between may be a variety of records depending on the information that is being reported – new items or changes to existing items. Each record is made up of variable length fields delimited with the ^ symbol.

At the end of this document are two examples. One example adds items to the IUID Registry; the other example updates items that are in the IUID Registry.

Generic File Structure

The number and type of records used in a file depends upon the information being conveyed but the basic order of the records remains the same. If all records are used for one item, the preferred order would be:

H000	Header
A100	Add Item
A200	Add Custody
A300	Add Mark
E200	Custody Event
E300	Mark Event
E400	Part Number Change Event
E500	Parent Event
E600	Life Cycle Event
T900	Trailer

But this would never realistically occur since the first time an item is recorded in the IUID Registry; its current state is recorded, not its prior history. From that point forward, the IUID Registry would capture events that occurred to the item.

The records are grouped by item. If three non-GFP items are being added with three marks apiece, then the records would appear in the following preferred order with the records for item one followed by the records for item two followed by the records for item three:

H000	Header
A100	Add Item
A300	Add Mark
A300	Add Mark
A300	Add Mark
A100	Add Item
A300	Add Mark
A300	Add Mark
A300	Add Mark
A100	Add Item
A300	Add Mark

A300	Add Mark
A300	Add Mark
T900	Trailer

To record an event about two items in the registry that are being provided to a contractor as GFP, the records would appear in this preferred order:

H000	Header
E200	Custody Event
E200	Custody Event
T900	Trailer

If those two items are being returned to the Government at the end of the contract along with three items the Government is taking possession of, the following preferred record order would be used. All items were marked with a 2D-Compliant mark by the contractor before being sent or returned to the Government:

H000	Header
A100	Add Item
A300	Add Mark
A100	Add Item
A300	Add Mark
A100	Add Item
A300	Add Mark
E200	Custody Event
E300	Mark Event
E200	Custody Event
E300	Mark Event
T900	Trailer

See the examples at the end of the document for samples of the actual records.

NOTE: While the Header record must be the first record in the file and the Trailer record must be the last record in the file, the other records may be in any order. The file will be sorted into the desired record sequence by the recipient system.

File Header Record (H000)

Must be the first record in every file.

Must be one and only one per file.

Header Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "H"
Record Number	N0	3/3	M	Always "000"
Email	AN	1/60	O	Email address of the person or office listed in Name.
Name	AN	1/120	M	Person or office that would be contacted if there were technical issues associated with the file.
Organization	AN AN N0	5/5 6/6 9/9	M	The 5 character CAGE, 6 character DoDAAC, 6 character MAPAC, or 9 digit DUNS of the organization providing the file.
Phone	AN	1/25	M	Phone number of the person or office listed in Name.
Version	AN	3/6	M	Always "3.4"
Industry Flag	A	1/1	I	Always "Y" when provided. States that the file is not destined for the IUID Registry.

Records to Add New Items (A)

The records depicted in this section are to be used when an item, legacy or newly procured, is reported to the IUID Registry for the first time.

Item Record (A100)

Provide one per item that is being added into the registry.

Item Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "A"
Record Number	N0	3/3	M	Always "100"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of all items listed in the registry.
Item Type	A	3/3	M	Flag that identifies the item as an end item or an embedded item. Select from the following list: END – End Item EMB – Embedded Item
Population Type	A	3/3	M	Flag that identifies the population an item belongs to. Select from the following list: NEW – Newly purchased item LEG – Government owned item in the custody of a government entity PPC – Government owned item in the custody of a contractor
Compliant Mark Flag	A	1/1	M	Flag that states whether the UII is marked on the item in compliance with IUID Policy. Select from the following list: Y – Marked with a 2D data matrix in accordance with DoD policy, ISO/IEC 15434. N – Not marked in compliance
UII Type	AN	3/10	M	Designator to indicate which method has been used to uniquely identify an item. Values: UID1 - UID Construct 1 UID2 - UID Construct 2 VIN - Vehicle Identification Number GRAI - Global Returnable Asset Identifier GIAI - Global Individual Asset Identifier ESN - Electronic Serial Number

Item Record				
Field Name	Format	Min/ Max	Req	Description
Issuing Agency Code	AN	1/3	C	Designator to indicate which code was used in the Enterprise Identifier. Required if UII Type is UID1 or UID2. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
Enterprise Identifier	AN	1/13	C	Code identifying the Enterprise that assigned the item with the UID data elements. If UII Type is UID1 or UID2, this is the same Enterprise Identifier that was used in the construct. Required if UII Type is UID1 or UID2.
Batch/Lot	AN	1/20	C	The batch/lot identification of the item if applicable. Required if the UII Type is UID2 and the Lot/Batch was used within the UII.
Original Part Number	AN	1/32	C	The Enterprise assigned Part Number corresponding to the assigned UII. Required if the UII Type is UID2 and the Part Number was used within the UII.
Serial Number	AN	1/30	C	The Enterprise assigned Serial Number corresponding to the assigned UII. The serial number may be within the Enterprise or within the Original Part Number. Required if UII Type is UID1 or UID2.
Description	AN	1/250	M	Description of the item.
Procurement Instrument Number	AN	1/25	C	Contract number under which the item was procured. This is a unique identifier for the contract, purchase order, BOA, Basic Agreement, or BPA and includes the delivery order, task order, and call number as appropriate. Required from Vendors for new procurement; not required when reporting legacy or embedded items.
Procurement Prime Contractor Identifier	AN N0	5/5 9/9	C	The 9-digit DUNS or 5-character CAGE of the contractor that is responsible for reporting all UIIs of the delivered items to the Government. Required from Vendors for new procurement; not required when reporting legacy or embedded items.
Procurement Line Item	AN	1/8	C	The purchase contract line item. Required from Vendors for new procurement; not required when reporting legacy or embedded items.
Acceptance Code	AN	6/6	C	DoDAAC or MAPAC of the Government entity that accepted the item. Required from Vendors for new procurement; not required when reporting legacy or embedded items.

Item Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Acceptance Date	DT	10/10	C	The date that the item is accepted by the Government entity. Required from Vendors for new procurement; not required when reporting legacy or embedded items.
Ship To Code	AN	1/20	C	DODAAC, MAPAC, or other code representing the location the item was shipped to. Required from Vendors for new procurement; not required when reporting legacy or embedded items.
Acquisition Cost	R	2/18	C	Unit Price as defined in the procurement contract or as defined at delivery by the contractor. Required from Vendors for new procurement; not required when reporting legacy or embedded items.
Foreign Currency Code	AN	3/3	C	International Organization of Standardization code from ISO 4217 representing the currency unit of Acquisition Cost. Will default to "USD" if Acquisition Cost is provided and Foreign Currency Code is not.
Unit of Measure	AN	2/2	C	Unit of Measure associated with the Acquisition Cost of the item. Required from Vendors for new procurement; not required when reporting legacy or embedded items. (For list of codes, see ASC X12 Standards Element 355.)
Current Part Number	AN	1/32	O	Used only if the item's current part number is different from the Original Part Number. Must be provided if Current Part Number Effective Date is provided.
Current Part Number Effective Date	DT	10/10	C	The date the item was modified or changed to the current part number from a previous part number. Must be provided if Current Part Number is provided.
Manufacturer Code	AN	1/3	O	Designator to indicate which code was used in the Manufacturer Identifier. Required if Manufacturer Identifier is provided. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
Manufacturer Identifier	AN	1/13	C	Code identifying the Manufacturer that produced the item if different from the Enterprise Identifier.
Parent UII	AN	1/78	C	The UII of the item that the item is embedded in. Required if Item Type contains 'EMB".
Mark Method	A	3/3	I	Optional. Must be one of the following: INT – Intrusive NON – Non-Intrusive

Item Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**

Mark Grade	A	1/1	I	Optional.
				
				When Mark Method is "INT", use one of the following:
				    F –Fail
				    P – Pass
				
				When Mark Method is "NON", use one of the following:
				    A
				    B
				    C
				    D
				    E

Custody Record (A200)

Provide one record if, in the Item Record, the Population Type contains "PPC" and the Item Type contains "END". There may be one and only one per Item Record. If the Population Type in the Item Record does not contain "PPC" or the Item Type in the Item Record contains "EMB", do not provide.

Custody Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "A"
Record Number	N0	3/3	M	Always "200"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of all items listed in the registry.
Action Type	A	3/3	M	Identifies the action taken when an item is moved from one location or contract to another. Select from the following list: SND – Provides the ship date only REC – Provides the received date only BTH – Provides the ship date and received date
Direction Flag	A	1/1	M	Identifies the recipient of the item when it is moved from one location or contract to another. Select from the following list: G – Government K - Contractor
Activity Type	A	3/3	M	Identifies the type of custody change that is being recorded. Select from the following list: GFP – movement of Government Furnished Property
GFP Contract Number	AN	1/25	M	This is the contract under which the item is currently designated as GFP.
GFP Prime Contractor CAGE	AN	5/5	C	The 5-character CAGE Code of the Prime Contractor specified in the GFP contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
GFP Prime Contractor DUNS	N0	9/9	C	The 9-digit DUNS Code of the Prime Contractor specified in the GFP contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
GFP Prime Contractor DoDAAC	AN	6/6	C	The 6-character DoDAAC or MAPAC of the Prime Contractor specified in the GFP contract. At least one of CAGE, DoDAAC, and DUNS must be reported.

Custody Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Category Code	A	1/1	M	Used when recording change in custody of GFP. Must be one of the following codes: "E" - Equipment: 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. "M" - Material: Property that may be consumed or expended during the performance of a contract, component parts of a higher assembly, or items that lose their individual identity through incorporation into an end-item. Material does not include Equipment, Special Tooling, Special Test Equipment, or Unique Federal Property.
Received Date	DT	10/10	C	The date the item is received by the Contractor. Required when Action Type contains "REC" or "BTH".
Sent Date	DT	10/10	C	The date the item is sent to the Contractor. Required when Action Type contains "SND" or "BTH".

Mark Record (A300)

Provide one or more records if the Compliant Mark Flag in the Item Record contains "N". If the Compliant Mark Flag in the Item Record contains "Y", recording marks other than the UII is optional. If the Compliant Mark Flag in the Item Record contains "Y", do not provide a Mark Record for the UII.

For a virtual UII, two or more records are required; one to record the virtual UII, one or more to record the physical marks.

Field Name	Format	Min/ Max	Req	Description
Record Type	A	1/1	M	Always "A"
Record Number	N0	3/3	M	Always "300"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of items listed in the registry.
Action Type	A	3/3	M	Identifies the action taken against a mark. Select from the following list: ADD – Mark is added, not previously reported
Bagged Or Tagged Code	A	1/1	M	"Y" if mark applied according to the Bag and Tag Business Rules else "N".
Mark Contents	AN	1/25	M	What has been recorded on or with the item. For UII, must contain "UID". All non-UII markings must be marked physically on the item. Must be one of the following values: CONTRACT NUMBER DATE OF MANUFACTURE FAA CERTIFICATION HULL NUMBER INTERNAL ASSET NUMBER ITEM NOMENCLATURE LOT NUMBER MANUFACTURER CAGE MANUFACTURER NAME NATIONAL STOCK NUMBER PART NUMBER PROPERTY CONTROL NUMBER SERIAL NUMBER SERVICE/AGENCY/COMMAND SUPPLIER NAME TAIL NUMBER TYPE DESIGNATION UID USA NUMBER USAF NUMBER USN NUMBER

Mark Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Mark Effective Date	DT	10/10	M	The date the mark was associated with or physically marked on the item. If the UII was defined for the item but not physically attached (Medium Code contains 'DEFINED'), it is the date the UII is associated with the item.

Marker Code	AN	1/3	M	Designator to indicate which code was used in the Marker Identifier.
				
				Values:
				    D - CAGE
				    LB - ANSI T1.220
				    LD - DoDAAC
				    LH - EHIBCC
				    UN - DUNS
				    0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC
				        Company Prefix

Marker Identifier	AN	1/13	M	Code identifying the Entity that placed the mark on or associated the mark with the item.
Medium Code	AN	1/25	M	The method used to associate the mark identified in Mark Contents with the item. The codes provide information on what is needed to read the mark. The available codes are: "2D COMPLIANT" "NONCOMPLIANT DATA MATRIX" "HUMAN READABLE" "CMB" "PDF417" "BARCODE" "RFID" - If the UII is by association only, not physically marked, use "DEFINED". "DEFINED" can only be used when the Contents contains "UID". - When the UII is physically marked with a 2D Data Matrix in accordance with DoD policy, ISO/IEC 15434, use "2D COMPLIANT".

Mark Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Mark Set	AN	1/25	M	Used to place marks in physical sets. For example, on a single item there are two data plates. "SET 1" could be used for the marks on the manufacturer's data plate and "SET 2" could be used for the marks on the government's data plate. Must contain one of the following values: SET 1 SET 2 SET 3 SET 4 SET 5 SET 6 SET 7 SET 8 SET 9
Mark Value	AN	1/256	C	The string representation of the physical mark. Not required when Mark Contents contains "UID". When Mark Contents contains "SERVICE/AGENCY/COMMAND", must contain one of the following: CHEMBIO MDA SOCOM TRANSCOM USAF USARMY USCG USMC USN
Mark Method	A	3/3	I	Optional. Must be one of the following: INT – Intrusive NON – Non-Intrusive
Mark Grade	A	1/1	I	Optional. When Mark Method is "INT", use one of the following: F –Fail P – Pass When Mark Method is "NON", use one of the following: A B C D E

Records to Record Events (E)

These records are used to record events that have occurred against items that reside in the IUID Registry. The events include life cycle, part number, custody, mark, and embedded changes.

Custody Record (E200)

Use one record to record that an item as changed custody as Government Furnished Property under a contract. It may be used to record the shipment and the receipt separately or together.

Custody Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "E"
Record Number	N0	3/3	M	Always "200"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of the item in the registry.

Action Type	A	3/3	M	Identifies the action taken when an item is moved from one location or contract to another. Select from the following list:
				    SND – Provides the ship date only
				    REC – Provides the received date only
				    BTH – Provides the ship date and received date

Direction Flag	A	1/1	M	Identifies the recipient of the item when it is moved from one location or contract to another. Select from the following list:
				    G – Government
				    K - Contractor

Activity Type	A	3/3	M	Identifies the type of custody change that is being recorded. Select from the following list: GFP – movement of Government Furnished Property
GFP Contract Number	AN	1/25	M	This is the contract under which the item is currently designated as GFP.
GFP Prime Contractor CAGE	AN	5/5	C	The 5-character CAGE Code of the Prime Contractor specified in the GFP contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
GFP Prime Contractor DUNS	N0	9/9	C	The 9-digit DUNS Code of the Prime Contractor specified in the GFP contract. At least one of CAGE, DoDAAC, and DUNS must be reported.
GFP Prime Contractor DoDAAC	AN	6/6	C	The 6-character DoDAAC or MAPAC of the Prime Contractor specified in the GFP contract. At least one of CAGE, DoDAAC, and DUNS must be reported.

Custody Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Category Code	A	1/1	M	Used when recording change in custody of GFP. Must be one of the following codes: "E" - Equipment: 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. "M" - Material: Property that may be consumed or expended during the performance of a contract, component parts of a higher assembly, or items that lose their individual identity through incorporation into an end-item. Material does not include Equipment, Special Tooling, Special Test Equipment, or Unique Federal Property.
Received Date	DT	10/10	C	The date the item is received by the Contractor. Required when Action contains "REC" or "BTH".
Sent Date	DT	10/10	C	The date the item is sent to the Contractor. Required when Action contains "SND" or "BTH".

Mark Record (E300)

Use one record to record the removal of an existing mark, the addition of a new mark, or the conversion of an associated ("DEFINED") UII to a physical mark. Multiple Mark Records may be used for the same item.

Field Name	Format	Min/ Max	Req	Description
Mark Record
Record Type	A	1/1	M	Always "E"
Record Number	N0	3/3	M	Always "300"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of the item in the registry.
Action Type	A	3/3	M	Identifies the action taken against a mark. Select from the following list: ADD – Mark is added, not previously reported RMV – Mark is removed RPL – Associated UII Mark is replaced with a physical mark
Bagged Or Tagged Code	A	1/1	M	"Y" if mark applied according to the Bag and Tag Business Rules else "N".
Mark Contents	AN	1/25	M	What has been recorded on or with the item. For UII, must contain "UID". All non-UII markings must be marked physically on the item. Must be one of the following values: CONTRACT NUMBER DATE OF MANUFACTURE FAA CERTIFICATION HULL NUMBER INTERNAL ASSET NUMBER ITEM NOMENCLATURE LOT NUMBER MANUFACTURER CAGE MANUFACTURER NAME NATIONAL STOCK NUMBER PART NUMBER PROPERTY CONTROL NUMBER SERIAL NUMBER SERVICE/AGENCY/COMMAND SUPPLIER NAME TAIL NUMBER TYPE DESIGNATION UID USA NUMBER USAF NUMBER USN NUMBER
Mark Effective Date	DT	10/10	M	The date the mark was associated with or physically marked on the item. If the UII was defined for the item but not physically attached (Medium Code contains 'DEFINED'), it is the date the UII is associated with the item.

Mark Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Marker Code	AN	1/3	M	Designator to indicate which code was used in the Marker Identifier. Values: D - CAGE LB - ANSI T1.220 LD - DoDAAC LH - EHIBCC UN - DUNS 0, 1, 2, 3, 4, 5, 6, 7, 8 or 9 - EAN.UCC Company Prefix
Marker Identifier	AN	1/13	M	Code identifying the Entity that placed the mark on or associated the mark with the item.
Medium Code	AN	1/25	M	The method used to associate the mark identified in Mark Contents with the item. The codes provide information on what is needed to read the mark. The available codes are: "2D COMPLIANT" "NONCOMPLIANT DATA MATRIX" "HUMAN READABLE" "CMB" "PDF417" "BARCODE" "RFID" - If the UII is by association only, not physically marked, use "DEFINED". "DEFINED" can only be used when the Contents contains "UID". - When the UII is physically marked with a 2D Data Matrix in accordance with DoD policy, ISO/IEC 15434, use "2D COMPLIANT".
Mark Set	AN	1/25	M	Used to place marks in physical sets. For example, on a single item there are two data plates. "SET 1" could be used for the marks on the manufacturer's data plate and "SET 2" could be used for the marks on the government's data plate. Must contain one of the following values: SET 1 SET 2 SET 3 SET 4 SET 5 SET 6 SET 7 SET 8 SET 9

				Mark Record
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Mark Value	AN	1/256	C	The string representation of the physical mark. Not required when Mark Contents contains "UID". When Mark Contents contains "SERVICE/AGENCY/COMMAND", must contain one of the following: CHEMBIO MDA SOCOM TRANSCOM USAF USARMY USCG USMC USN
Mark Method	A	3/3	I	Optional. Must be one of the following: INT – Intrusive NON – Non-Intrusive
Mark Grade	A	1/1	I	Optional. When Mark Method is "INT", use one of the following: F –Fail P – Pass When Mark Method is "NON", use one of the following: A B C D E

Part Number Change Record (E400)

Use to record the change in an item's part number and any costs associated with that change.

Part Number Change Record				
Field Name	Format	Min/ Max	Req	Description
Record Type	A	1/1	M	Always "E"
Record Number	N0	3/3	M	Always "400"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of the item in the registry.
Current Part Number	AN	1/32	M	The new part number of the item.
Current Part Number Effective Date	DT	10/10	M	The date the item was modified or changed to the current part number from a previous part number.
Acquisition Value	R	2/18	M	The cost incurred by the DoD when the part number changed.
Foreign Currency Code	AN	3/3	C	International Organization of Standardization code from ISO 4217 representing the currency unit of Current Acquisition Value. If not provided, will default to "USD".

Parent Record (E500)

Use to record when an item is embedded into another item, an embedded item is removed from an item, and when an item is removed from one item and placed into another item.

Parent Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "E"
Record Number	N0	3/3	M	Always "500"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of the item in the registry.
Action Type	A	3/3	M	Identifies whether an item was embedded into another item, removed from an item, or removed from one item and embedded into another. Select from the following list: ADD – Item is embedded into another item. RMV – Item is removed from another item. RPL – Item is removed from one item and embedded into another item.
Effective Date	DT	10/10	M	The date the item was embedded into another item or removed from an item.
Parent UII	AN	1/78	C	The UII of the item into which the item was embedded. Not required when an item is being removed from another item.

Life Cycle Event Record (E600)

Use to record the life cycle event indicating a change in an item's state, condition, or situation. Definitions are provided below.

The life cycle events are separated into two categories except for Scrapped, Retired, and Reintroduced which is in neither category:

Category I	**Category II**
Abandoned	Donated
Consumed	Exchanged - Repair
Destroyed - Accident	Exchanged - Sold
Destroyed – Combat	Exchanged - Warranty
Expended – Experimental/Target	Leased
Expended – Normal Use	Loaned
Lost	Sold – Foreign Govt
Stolen	Sold – Historic
	Sold – Nongovt
	Sold – Other Federal
	Sold – State/Local

Life Cycle Event Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "E"
Record Number	N0	3/3	M	Always "600"
UII	AN	1/78	M	The Unique Identifier that ensures uniqueness of the item in the registry.

		Min/		
Life Cycle Event Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Event	A	4/28	M	The type of life cycle event. (There are no spaces before or after the hyphen.) Must contain one of the following values: ABANDONED CONSUMED DESTROYED-ACCIDENT DESTROYED-COMBAT DONATED EXCHANGED-REPAIR EXCHANGED-SOLD EXCHANGED-WARRANTY EXPENDED-EXPERIMENTAL/TARGET EXPENDED-NORMAL USE LEASED LOANED LOST REINTRODUCED RETIRED SCRAPPED SOLD-FOREIGN GOVT SOLD-HISTORIC SOLD-NONGOVT SOLD-OTHER FEDERAL SOLD-STATE/LOCAL STOLEN
Event Date	DT	10/10	M	The date the life cycle event occurred or was effective.
Recording Entity Code	A	1/3	C	Designator to indicate which code was used in the Recording Entity Identifier. Required if Recording Entity Identifier is provided. Values: D – CAGE LD – DoDAAC UN - DUNS
Recording Entity Identifier	AN	5/9	C	Code identifying the entity that provided the life cycle event information. Required when Recording Entity Code is provided. Required if Source Document and System UID are not provided.
Source Document	AN	1/25	C	The document number, case number or other identification number that can be used as a reference to the detailed information about the event in the system identified by the System UID. Required if System UID is provided.

				Life Cycle Event Record
		Min/		
Field Name	**Format**	**Max**	**Req**	**Description**
System UID	AN	1/10	C	The system that provided the life cycle event information and contains the details of the life cycle event. Required if Source Document is provided. Values: LTDD PCARSS DAISY
				For Category I and II events, provide the following fields as defined. For SCRAPPED, RETIRED, and REINTRODUCED, the following fields are not required. If fields other than CAGE, DoDAAC or MAPAC, and DUNS are provided, then Category 1 rules are followed if Name is not provided; kf Name is provided, Category II rules are followed. For Category I events: Provide the custodian or item location. For LOST or STOLEN, report the last known location. For Category II events: Provide the entity that received the item.
CAGE	AN	5/5	C	The 5-character CAGE Code of Category I: The item custodian or location. If Lost or Stolen, report the last known location. Category II: The entity that received the item.
DoDAAC or MAPAC	AN	6/6	C	The 6-character DoDAAC or MAPAC of Category I: The item custodian or location. If Lost or Stolen, report the last known location. Category II: The entity that received the item.
DUNS	N0	9/9	C	The 9-digit DUNS Code of Category I: The item custodian or location. If Lost or Stolen, report the last known location. Category II: The entity that received the item.
				The following elements with their associated rules are used only if the custodian or item location cannot be identified with a CAGE, DoDAAC, MAPAC, or DUNS.
City	AN	1/50	C	Category I: Must provide at least one of City and 'State or Province' if Country is provided. Category II: Must provide at least one of City and 'State or Province'.

Life Cycle Event Record				
Field Name	Format	Min/ Max	Req	Description
State or Province	AN	1/50	C	Category I: Must provide at least one of City and 'State or Province' if Country is provided. Category II: Must provide at least one of City and 'State or Province'.
Country	AN	2/2	C	When provided, the value must be from the International Standard Organization (ISO) 3166-1 alpha 2 standard. Category I: Must provide if City and/or 'State or Province' is provided. Category II: Required.
Postal Code	AN	1/15	C	The postal code of the site or organization. Category I: Optional. Category II: Postal code of the entity listed in Name. Required if Country is "US".
Name	AN	1/70	C	The name of the entity who received the item. Category I: Not used. Category II: Required.
Other	AN	1/70	C	Category I: Used when the other information is insufficient. For example, if a ship is sunk in the middle of a body of water, enter the name of the body of water. E.g. Arabian Sea. Category II: Not used.

Life Cycle Events	
Event	Definition
Abandoned	Property surrendered by a Federal agency after a written determination that the property has no commercial value, or the estimated cost of its continued care and handling would exceed the estimated proceeds from its sale. An item has no commercial value when it has neither utility nor monetary value (either as useable property or as scrap).
Consumed	Non-reversibly incorporated into another item.
Destroyed-Accident	Destroyed during a fire, natural disaster, or other unplanned natural or man-made incident.
Destroyed-Combat	Destroyed by the enemy during combat.
Donated	Surplus property provided to a Service Educational Activity; a State, political subdivision, municipality, or tax-supported institution acting on behalf of a public airport; a public agency; a public body; a charitable institution; or any State or local government agency, and certain nonprofit organizations or institutions.
Exchanged-Sold	Provided to a supplier for credit.
Exchanged-Repair	Provided to a supplier for equivalent replacement part.

Life Cycle Events	
Event	**Definition**
Exchanged-Warranty	Provided to a supplier for an equivalent replacement part or credit while under warranty.
Expended-Experimental/Target	Such as the firing of a missile during training exercises and for testing; items destroyed while serving as a target during training exercises and tests.
Expended-Normal Use	Such as in the firing of a missile during combat or consumed during a manufacturing process.
Leased	Property that is granted to a lessee for a period of time in exchange for rent or other consideration.
Loaned	Owned by a DoD Component and loaned to contractors, scientific institutions or other organizations.
Lost	Property that cannot be located or otherwise accounted for.
Reintroduced	When an item is returned to DoD service.
Retired	Withdrawn from normal service; taken out of use. Includes decommissioned, stricken, sunken, transferred to AMARC/DRMS, etc.; excludes temporary idling of the item.
Scrapped	Waste material that will be reused or reprocessed.
Sold-Foreign Govt	Title transferred to non-US governmental entities with compensation.
Sold-Historic	Title transferred to a museum or similar entity with compensation.
Sold-Nongovt	Title transferred to non-governmental entities such as churches, organizations, etc. with compensation.
Sold-Other Federal	Title transferred to non-DoD Federal Agencies with compensation.
Sold-State/Local	Title transferred to non-Federal governmental entities with compensation.
Stolen	Lost via theft.

Records to Correct Item Data (C)

These records are used to correct data that has been entered erroneously into the IUID Registry.

Details TBD.

File Trailer Record (T900)

The File Trailer Record must be the last record in every file.

There must be one and only one per file.

Trailer Record				
Field Name	**Format**	**Min/ Max**	**Req**	**Description**
Record Type	A	1/1	M	Always "T"
Record Number	N0	3/3	M	Always "900"
File Date	DT	10/10	M	The date the file was created.
Record Count	N0	1/6	M	The total number of records in the file including the Header and Trailer Records.

Examples

Adding Items to the IUID Registry

```
H^000^Luther.a.Resoto@gentek.com^Luther A. Resoto^99027^804-434-2933^3.4
A^100^D99207PN1SN1^END^PPC^N^UID2^D^99207^^PN1^SN1^ENGINE, ASSEMBLY^^^^^^^50000^USD^^^^D^07734
A^200^D99207PN1SN1^REC^K^GFP^N00155-05-C-0044^99207^^^E^2003-07-22
A^300^D99207PN1SN1^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN1SN1^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 1^PN1
A^300^D99207PN1SN1^ADD^N^SERIAL NUMBER^2005-07-22^D^99207^ HUMAN READABLE^SET 1^SN1
A^100^D99207PN9SN11^END^PPC^N^UID2^D^99207^^PN9^SN11^NO 2 ROLLER BEARING^^^^^^^200^USD^^^^D^07734
A^200^D99207PN1SN1^REC^K^GFP^N00155-05-C-0044^99207^^^E^2004-01-15
A^300^D99207PN9SN11^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN9SN11^ADD^N^PART NUMBER^2004-01-15^D^99207^HUMAN READABLE^SET 1^PN9
A^300^D99207PN9SN11^ADD^N^SERIAL NUMBER^2004-01-15^D^99207^ HUMAN READABLE^SET 1^SN11
A^100^D99207PN3SN10^END^PPC^N^UID2^D^99207^^PN3^SN10^POWER TAKEOFF DRIVE^^^^^^^2100^USD^^5044T7G02^1988-11-11^D^07734
A^200^D99207PN3SN10^REC^K^GFP^N00155-05-C-0044^99207^^^E^2004-01-15
A^300^D99207PN3SN10^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN3SN10^ADD^N^PART NUMBER^2004-01-15^D^99207^HUMAN READABLE^SET 2^PN3
A^300^D99207PN3SN10^ADD^N^SERIAL NUMBER^2004-01-15^D^99207^ HUMAN READABLE^SET 2^SN10
A^100^D99207PN2SN2^EMB^PPC^N^UID2^D^99207^^PN2^SN2^COLD SECTION MODULE^^^^^^^^^^^^D^07734^D99207PN1SN1
A^300^D99207PN2SN2^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN2SN2^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^PN2
A^300^D99207PN2SN2^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^SN2
A^100^D99207PN3SN3^EMB^PPC^N^UID2^D^99207^^PN3^SN3^POWER TAKEOFF DRIVE^^^^^^^^^^5044T7G02^1988-11-11^D^07734^D99207PN2SN2
A^300^D99207PN3SN3^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN3SN3^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^PN3
A^300^D99207PN3SN3^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^SN3
A^100^D99207PN4SN4^EMB^PPC^N^UID2^D^99207^^PN4^SN4^COMPRESSOR ROTOR ASSY^^^^^^^^^^6035T77G10^2001-11-26^D^07734^D99207PN2SN2
A^300^D99207PN4SN4^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN4SN4^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^PN4
A^300^D99207PN4SN4^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^SN4
A^100^D99207PN5SN5^EMB^PPC^N^UID2^D^99207^^PN5^SN5^GAS GEN TURBINE SHAFT^^^^^^^^^^^^D^07734^D99207PN2SN2
A^300^D99207PN5SN5^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN5SN5^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^PN5
A^300^D99207PN5SN5^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^SN5
A^100^D99207PN6SN6^EMB^PPC^N^UID2^D^99207^^PN6^SN6^COMPRESSOR ROTOR ASSY^^^^^^^^^^^^D^07734^D99207PN2SN2
A^300^D99207PN6SN6^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN6SN6^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^AA6
A^300^D99207PN6SN6^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^ZZ6
A^100^D99207PN7SN7^EMB^PPC^N^UID2^D^99207^^PN7^SN7^OUTPUT SHAFT ASSY^^^^^^^^^^^^D^07734^D99207PN2SN2
A^300^D99207PN7SN7^ADD^N^UID^2005-05-12^D^99207^DEFINED^SET 1
A^300^D99207PN7SN7^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^PN7
A^300^D99207PN7SN7^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^SN7
A^100^D99207PN8SN8^EMB^PPC^N^UID2^D^99207^^PN8^SN8^NO 1 BALL BEARING^^^^^^^^^^^^D^07734^D99207PN7SN7
A^300^D99207PN8SN8^ADD^N^UID^2005-05-12^D^99207^HUMAN READABLE^SET 1
A^100^D99207PN9SN9^EMB^PPC^N^UID2^D^99207^^PN9^SN9^NO 2 ROLLER BEARING^^^^^^^^^^^^D^07734^D99207PN7SN7
A^300^D99207PN9SN9^ADD^N^UID^2005-05-12^D^99207^2D COMPLIANT^SET 1
A^300^D99207PN9SN9^ADD^N^PART NUMBER^2003-07-22^D^99207^HUMAN READABLE^SET 2^PN9
A^300^D99207PN9SN9^ADD^N^SERIAL NUMBER^2003-07-22^D^99207^ HUMAN READABLE^SET 2^SN9
T^900^2005-07-24^47
```

Updating Items in the Registry

```
H^000^Luther.a.Resoto@gentek.com^Luther A. Resoto^99027^804-434-2933^3.4
E^300^D99207PN3SN10^RPL^N^UID^2005-06-11^D^99207^2D COMPLIANT^SET 4
E^400^D99207PN3SN10^PN3-A^2005-06-10^530.99^USD
E^500^D99207PN3SN10^ADD^2005-06-11^D99207PN1SN1
E^300^D99207PN3SN3^RPL^N^UID^2005-06-11^D^99207^2D COMPLIANT^SET 1
E^500^D99207PN3SN3^RMV^2005-06-11
E^600^D99207PN2SN99^SOLD-NONGOVT^2006-07-14^LD^DADA15^^^^^^CRIMORA^VA^US^24431^BAPTIST CHURCH
E^600^D99207PN2SN001^LOST^2006-11-14^^^CASE-97-0015^LTDD^12345
E^600^D99207PN2SNHMS001^DESTROYED-COMBAT^2007-05-06^LD^DADA15^^^^^^^^^^^THE BALTIC SEA
T^900^2005-07-25^10
```