IUID Import to WAWF and IUID Registry

Importing IUIDs expedites submission to WAWF and the IUID Registry, as well as Mil-Std-129 labeling. MIL-Comply supports several methods of getting IUIDs into shipment data.

End-Items, which are required to be submitted in WAWF, which sends them IUID Registry upon acceptance of their Receiving Report.   MIL-Comply has numerous import methods to fit different process requirements.

- Create a shipment using CSV or M12[1] file.
- Cut and Paste a list of UIDs is copied from an email, document, spreadsheet, etc.
- Import a CSV into a shipment

Embedded IUID items are supported in two ways:

- Importing in a new shipment with their end-item parents for submission to WAWF.
- CSV Import for direct registration in the IUID Registry.

Government-Furnished Property (GFP) IUIDs may be imported for the purpose of gaining custody from the IUID Registry, which adds legacy end-items to the Registry if necessary.

Importing IUIDs as New Shipment

One of the easiest ways to import IUIDs for Mil-Std-129 labeling and submission to WAWF is to create a CSV file like this:

```
DOCM,2,,,N0010420FX000
LITM,1,0001AA,1005-01-235-1674,WIDG-364223-AR2,1HLD9,WIDGET ASSEMBLY,3,EA
IUID,2,0001AA,D1HLD9WIDG-364223-AR20000001
IUID,2,0001AA,D1HLD9WIDG-364223-AR20000002
IUID,2,0001AA,D1HLD9WIDG-364223-AR20000003
```

A shipment with these IUIDs is created simply by double-clicking the file in Windows Explorer. The file may also be opened as link in an email or web application.   This is made possible by using a special *csvmp* file extension associated with MIL-Comply.   Files with a CSV extension can be opened from the MIL-Comply In-Box.

This CSVmp example uses three record types.

- DOCM identifies the contract and/or delivery order, with an optional shipment number, which is otherwise assigned automatically.

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[1] M12 files use a Mil-Pac key-value pairs format. See https://support.milpac.com/glossary/m12.

- LITM defines the CLIN, part number, NSN, prime entity, and the nomenclature of the line item, as well the quantity.
- IUID identify a Construct 1 or 2 UII associated with a CLIN, and can include first-level embedded IUID items (the maximum depth allowed in WAWF EDI transactions).

A little more information would be needed to Mil-Std-129 container labeling or WAWF submission. It can be included or added as the process moves forward. More information about use of the CSVmp format is available at https://milpac.com/dod-compliance-solutions/uploading-iuid-rfid-to-wawf/. The format goes beyond IUID import to include robust support for WAWF transactions.

Importing IUIDs into Existing Shipments

There are several methods of importing IUIDs into a shipment being that is being created in MIL-Comply. The simplest is to simply copy a list of IUIDs from a convenient data source, such as a scanned list, an email, or a spreadsheet. Then paste them into the line-item editor in Comply/Labeling or Comply/Shipper.

The other method is to import a CSV file, which is also done in the line-item editor. The data source may include embedded items in addition to end-items for the line-item being edited.

There are two CSV formats available to import IUIDs MIL-Comply:

CSV_v2 – the minimum collection of fields to support UID submission to WAWF

CSV_v1 – a more robust definition of UIDs capable of supporting UID Registry transactions

CSV v2 – End / Embedded UID Items

MIL-Comply uses this simplified format to import end-items and embedded-items for shipment definition purposes, for submission Wide Area Workflow (WAWF) and ultimately, the UID Registry. The resulting shipment data can also drive labeling compliant with Mil-Std-129.

The first line of the CSV file may optionally contain the field names. If present, exactly as shown below for confirmation of field mapping. The underlying requirements for end-items and embedded items differ somewhat, as indicated by the two rightmost columns below.

Key:

M	–	Mandatory	C	–	Conditional	An	– Alphanumeric , up to n chars
O	–	Optional	-	–	Not Applicable	R18.2	– Dollar.Cents up to 18 digits

Field Name	Size/ Format	Description	End Item	Embed Item
UII	A50	Unique Item Identifier of this end-item or embedded-item.	M	M

UID Import Format

Field Name	Size/ Format	Description	End Item	Embed Item
PN	A32	Part Number. The Part Number under which the item is identified. It does not have to correspond to the UII, regardless of construct.	M	M
SN	A30	Serial Number. The Entity assigned Serial Number component of the UII. Required for all UID constructs.	M	M
Noun	A35	Nomenclature - Mil-Std 129 compliant description of the item.	M	M
ParentUII	A50	UII of Parent Item if this item is embedded.	-	M
NSN	A23	National Stock Number. May include dashes, prefix and/or suffix.	O	-
Contract	A25	Contract Number under which item was acquired. Mandatory if CLIN is present.	C	-
Order	A18	Order Number within Contract, if applicable	C	-
CLIN	A6	Line Item within Contract/Order Number	O	-
UOM	A2	Unit of Measure associated with the Acquisition Cost of the item.	O	
AcqCost	R18.2	Unit Price as defined by the contract or as defined at delivery by the contractor.	O	-

The *NSN* as well as the contract information: *Contract, Order, CLIN, UOM and AcqCost* are not required for import into MIL-Comply, which may supply that information within the context of the shipment into which the data is imported. Providing the information allows the originating business system to take more responsibility for populating shipment data.

CSV v1 Format – End / Embedded Items

MIL-Comply inherited use of this format from its predecessor, which used it for direct submission of new end-items into UID Registry.   That process has be disallowed by WAWF and the Registry, making the format somewhat anachronistic. It remains supported for backward compatibility.

Key:

M	–	Mandatory	C	–	Conditional	An	–	Alphanumeric , up to n chars
O	–	Optional	-	–	Not Applicable	R18.2	–	Dollar.Cents up to 18 digits

Field Name	Size/ Format	Description	End Item	Embed Item

UID Import Format

Field Name	Size/ Format	Description	End Item	Embed Item
UII	A50	Unique Item Identifier to be submitted to the UID Registry.	M	M

Type	A10	UID Type. Designator to indicate which method has been used to uniquely identify a part. UID Type is optional, but highly recommended. In its absence, the UID construct will be determined from OrigPN and SerNum values.
		
		    Values:
		        UID1 – UID Construct 1
		        UID2 – UID Construct 2
			O	O

EntityID	A13	Entity Identifier. Optional for UID1 and UID2. In its absence, the entity will be determined from the UII.	C	C

IAC	A3	Entity Issuing Agency Code. Designator to indicate which code was used in the Enterprise Identifier. May be blank for UID1 or UID2. In its absence, the IAC will be determined from the UII.
		
		    Values:
		        D – CAGE
		        LD – DODAAC
		        UN – DUNS
			O	O

MfrID	A13	Manufacturer Identifier. Code identifying the Manufacturer that produced the item, if different from the Enterprise Identifier.	O	O

MfrCode	A3	Entity Issuing Agency Code. Designator to indicate which code was used in the Enterprise Identifier. May be blank for UID1 or UID2.
		
		    Values:
		        D – CAGE
		        LD – DODAAC
		        UN – DUNS
			O	O

OrigPN	A32	Original Part Number. The EntityID assigned Part Number corresponding to the UII. Required if the UII Type is UID2 and the Part Number was used within the UII.	M	M
SerNum	A30	Serial Number. The Enterprise assigned Serial Number corresponding to the assigned UID. The serial number must be unique within the EntityID for UID1, or within the Original Part Number for UID2. Required if UID Type is UID1 or UID2.	M	M
BatchLot	A20	Batch/Lot. The batch/lot identification of the item if applicable. Required if UID Type is UID2 and the batch/lot was used within the	C	C

Field Name	Size/ Format	Description	End Item	Embed Item
		UID.		
ParentUID	A50	UID of Parent Item, if the UII item is embedded	C	C
Contract	A25	Contract Number under which item was acquired	M	-
OrderNum	A18	Order Number within Contract, if applicable	M	-
CLIN	A6	Line Item within Contract/Order Number	M	-
AcceptDate	A11	The date that the end item or embedded item's parent was accepted. Required from Vendors for new procurement; not required when reporting legacy items.	M	M
ShipTo	A20	DODAAC or other code representing the location the item was shipped to. Required from Vendors for new procurement of end-items; not required when reporting legacy items.	M	-
AcqCost	R18.2	Unit Price as defined in the contract or as defined at delivery by the contractor. Required from Vendors for new procurement of end-items; not required when reporting legacy items.	M	-
UOM	A2	Unit of Measure associated with the Acquisition Cost of the item. Required from Vendors for new procurement of end-items; not required when reporting legacy items. Defined by ASC X12 Standards Element 355.	M	
Noun	A35	Nomenclature - Mil-Std 129 compliant description of the item.	M	M
Population	A3	Flag that identifies the population an item belongs to. Values: NEW – Newly purchased item (default) LEG – Government owned item in the custody of a government entity PPC – Government owned item in the custody of a contractor	O	O

Direct IUID Registry Import of Embedded Items

The Comply/UID Expeditor supports the direct submission of embedded UID items to the IUID Registry. This might be done for two reasons.

- Items shipped exceed the WAWF limitation to first-level embedded items.
- It is more convenient to submit embedded items as a separate process.

UID Import Format

There is no specific time limit on submitting the children of end-items shipped on WAWF Receiving Reports. Some enterprises simply collect up their embedded items and submit them periodically using direct IUID Registry Flat-Files. The Comply/UID Expeditor supports and manages that process. The Embedded CSV Format is used for this purpose.

Embedded CSV Format – Short Form

MIL-Comply/UID Expeditor (formerly known as UID Manager) supports an abbreviated format for importing just embedded UID items. This CSV format exploits the fact that the UID Registry does not require as many data fields and eliminates some of the redundant fields in the standard CSV format.

The embedded UIIs may be provided as either complete (composite) UIIs, or as components (CAGE, Part Number, and Serial Number) which will be concatenated to form the UII. Determination of UID Type is automatic, depending on the presence of the Part Number, which indicates UID Construct 2.

The first line of the CSV file must contain the field names, exactly as shown below. The underlying requirements for end-items and embedded items differ somewhat, as indicated by the two rightmost columns below.

The columns of the short form CSV for embedded items are:

Field Name	Size/ Format	Description	Composite UII	Components
CAGE	A9	CAGE Code of entity controlling the UII.	O	M
Original Part Number	A32	The Enterprise assigned Part Number corresponding to the assigned UII. Required if UID Type is UID2.	O	C
Serial Number	A30	Serial Number. The Enterprise assigned Serial Number corresponding to the assigned UID. The serial number must be unique within the CAGE for UID1, or within the Original Part Number for UID2.	M	M
Part Description	A35	Nomenclature - Mil-Std 129 compliant description of the item.	M	M
Manufacturer Code	A3	Entity Issuing Agency Code. Designator to indicate which code was used in the Enterprise Identifier. Required if Manufacturer Identifier is present. Values: 　　D　– CAGE 　　LD　– DODAAC	C	C

UID Import Format

Field Name	Size/ Format	Description	Composite UII	Components
		UN – DUNS		
Manufacturer Identifier	A13	Manufacturer Identifier. Code identifying the Manufacturer that produced the item, if different from the Entity ID (CAGE).	O	O
Parent UII	A50	UII of Parent Item, if this item is embedded	M	M
Parent UII Acceptance Date	A11	The date that the end item or embedded item's parent was accepted. Required from Vendors for new procurement; not required when reporting legacy items.	M	M
Composite UII	A50	Complete UII (without record separators). When present in conjunction with Original Part Number, the Composite UII will be confirmed against the UII constructed from CAGE, Original Part Number and Serial Number. (This field is not yet available in production)	M	O