
M12 Format – File Specification

Standard Import Format
for the
Automation of Defense Shipments

MIL-Comply
(Release 1.4.0223 and later)

Document Version 3.6.010



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Revisions

03/26/2012	3.1.001	Revised for MIL-Comply use.
03/27/2012	3.2.003	Revised DD1348 example for use of Weight and Cube
01/05/2014		Updated SF1443 for MIL-Comply
01/11/2014		Updated SF1034 for MIL-Comply
01/24/2014	3.3.004	Updated some SF1034 and SF1443 data elements
02/08/2014	3.4.005	Replaced SF1443 Block 27 with FMS and FMS-AMT
09/05/2020	3.5.006	Rollup of features introduced through MIL-Comply Release 1.3.0213, including: ADDLINFO, CURRENCY, CQA-DODAAC, CQA-REP, DRAFT-MODE, EMAIL, GFP, INV-FINAL, LIQDPAID, ORDERDATE, PAGE-BREAK, PAYMTDUE, PKGPRC, REFPIN, SHIP-FINAL, SHIPPED:TODAY, SHIPPED:SOON, TAC, TRMS-TYPE, TRMS-DSCDAYS, TRMS-DSCPERC, TRMS-NETDAYS. Deprecated: TERMS (replaced by TRMS-TYPE, TRMS-NETDAYS, etc.)
05/15/2021	3.6.008	New features introduced in Release 1.4.0223: GSA, PIID, PROD-ID, VSM, ACO, PCO.
		Use of UID and EMBED were substantially modified, and EMBED-PN was deprecated.
05/16/2021		Overhauled Cost Voucher section
06/30/2021	3.6.009	Added UserNote
		Added Auto-Reference Number XREF parameters for XREF
6/29/2022	3.6.010	Added UIDS-REQD

Introduction

The Mil-Pac M12 file format provides a simple data interface between Mil-Pac software products and other data systems. Each line of the M12 file has a keyword identifying the type of data and an associated value, e.g. "CLIN: 0001". The simplicity of this format makes it possible for practically any system to generate a compatible data import file. Note that MIL-Comply also supports a CSV equivalent of M12, and other formats for certain specific purposes. Refer to <https://support.milpac.com/go/csv>.

Version 3 brought the M12 format into alignment with MIL-Comply, Mil-Pac's fourth generation product for defense contractors. The database-centric design of MIL-Comply requires more emphasis to be placed on mapping M12 data elements into a more formalized data dictionary. MIL-Comply still largely supports Version 2 for backward compatibility with legacy data sources.

Sample M12-Import/Export File

The M12 format supports every field necessary for both Mil-Std-129 labeling and EDI submission of shipments to Wide Area Workflow (WAWF). However, only a few are required, allowing the import file to serve as the foundation for a shipment while allowing user to complete the data-entry.

Often, some data such as UIDs and container weights are not known until after the shipment is created in MIL-Comply. Or the originating system may simply not support every data item necessary for compliance.

This is an example of an M12 file with the data for container labeling of a single UID-marked line item. The UIDs are included but could also be added by the user. The weight of the exterior container was also left to the user to add.

```
XREF:      FY21-000221
PIIN:      N00535-20-G-TEST
SPIIN:     N0010420FX000
USERNOTE:  Expedite Shipment (AOG at Lemoore)
USERNOTE:  Contact logistics@company.com when ready
CLIN:      0001AA
NSN:       1005-01-235-1674
PN:        WIDG-364223-AR2
MFR CAGE:  1HLD9
NOUN:      WIDGET ASSEMBLY
QTY:       4
UI:        EA
PRESMETH:  M10
PKGDATE:   03/21
```

```
UID: D1HLD9WIDG-364223-AR20000001
UID: D1HLD9WIDG-364223-AR20000002
UID: D1HLD9WIDG-364223-AR20000003
UID: D1HLD9WIDG-364223-AR20000004
```

This sample M12 file is an example of one that includes most of the data for both labeling and WAWF submission of two-line items. Note that the use of REM statements, and indentation are not required, used here solely for readability.

This and other sample M12 files are available at <https://support.milpac.com/go/m12spec>.

```

REM: -----
REM: ----  Mil-Pac M12 Transaction Record
REM: ----  Version 2/3 Compatible
REM: ----  File:  Simple Shipment.M12
REM: -----

XREF:          N0053518F9910-0231
DRAFT-MODE:    YES

REM:          ----- CONTRACT INFORMATION -----
PIIN:          N00535-89-X-1234
SPIIN:         N0053518F9910
SHIPNUM:       MPT0231
SHIPPED:       2/20/2018

PRIME:         1HLD9\MIL-PAC TECHNOLOGY\PO BOX 2066\RAMONA, CA 92065
SHIPFROM:     1HLD9\MIL-PAC TECHNOLOGY\1672 MAIN STREET\
               RAMONA, CA 92065
ADMINOFC:     S0514A\DCMR\1223 DAGGET STREET, SUITE 100/200\
               SAN DIEGO, CA 92123
PAYOFC:       S0514A\DLA-VAN NUYS\P.O. BOX 567252\COLUMBUS, OH 32556-7252
SHIPTO:       N25622\NAVAL WEAPONS CENTER\PHILADELPHIA, PA 01322
MARKFOR:      \RECEIVING OFFICER\RATING DO-A7\ACR: AB
FOB:          S
ACC-PT:       S
ORIG-CQA:     YES
INSP-OFC:     S0514A
TCN:          EY80069009X001XXX
METHSHIP:     5

REM:          ----- LINE-ITEM DETAIL -----
CLIN:         0017AA
NOUN:         DUCKY, RUBBER
NSN:          1111-22-333-0001
PN:           23SKDO-DCK
QTY:          125
UI:           EA
UNITPRC:      45.50
UID:          D1HLD923SKDO-DCK0000001
UID:          D1HLD923SKDO-DCK0000002
.             .             .
.             .             .
.             .             .
UID:          D1HLD923SKDO-DCK0000125

CLIN:         0023AA
NOUN:         HORSE, MODEL
NSN:          1111-22-333-0442
PN:           23HRS-M-PAL
QTY:          75
UI:           EA
UNITPRC:      22.50

```

General M12 File Requirements

The format requirements for the M12 file have been kept as simple as possible to facilitate compatibility with the greatest number of third-party systems. The file itself is a simple, unstructured ASCII file, capable of being generated by practically any software system.

An M12 file consists of three sections. The first sections contain document identification and contract/shipment information pertaining to the entire document. The second section describes individual contract line items (CLINs). Its data elements are repeated for each line item described.

The third section allows the specification of RFID and container data, up to and including configuration of items in containers and their sizes. This section is entirely optional.

Specific Format Rules

The following list of specific rules apply to the use of M12 format files:

1. Each line must start with the name of a data item, referred to as the data element or keyword.
2. Lines are limited to 256 characters in length.
3. Lines must be terminated with a carriage-return and linefeed, in that order.
4. Keywords and values must be separated by a colon, intermediate spaces and/or tabs are ignored.
5. Keywords are not case sensitive.
6. Data may be entered in either case. Labeling data is forced to uppercase, and the option to do so for WAWF transactions and forms is configurable.
7. Blank lines and those using the REM keyword are ignored.
8. Each line-item must start with the CLIN keyword.
9. Keywords may appear in any order within a given section, unless otherwise stated.
10. The SN and UID keywords, if used, must appear after all other line-item elements except for NOTE.
11. Except as noted, each keyword should appear only once within an individual section. If duplication occurs, the most recent value is used.

Data Elements

The following tables define the M12 data elements for import into Mil-Pac products. Data elements fall into four categories of use:

Document Identification Elements – identify the document, the form into which the data flows and the purpose of the document.

Contract / Shipment Data Elements – consist of data common to all items in a shipment or contract definition, such as the prime contractor and contract number.

Line-Item Data Elements – define each contract line item (CLIN) shipped, or to be shipped.

Miscellaneous Elements – housekeeping and generalize data elements that may appear in more than one section.

The sections above must appear in the order listed above, except as noted. The data elements within a section may appear in any order, except as noted.

Data Types

The following data types are used in the definitions of the expected data values:

An	Alpha and/or numeric characters, up to 'n' characters, including dashes and other punctuation.
Nn	A data value limited to numeric digits, up to 'n' characters.
Dn	A decimal value, up to 'n' characters, including decimal point, which may be optional depending on the application.
FLAG	A yes/no indicator. It generally appears 'FLAG: Yes' (or 'No'). The characters 'Y', 'X' and '1' are considered to be YES. All other values are NO. A flag keyword without a value is assumed to be YES.
MLn	Multi-line text field, with lines separated by '\n' characters. Each line may be up to n characters. Number of lines varies by application.
ADDR	A "multi-line" address value. See Address Blocks .
DATE	A military style date (2005JAN01), YYYYMMDD (20050101) YYMMDD (93JAN01) or standard MM/DD/CCYY (1/1/2005 or 1/1/05). An 'E' may be appended to indicate an estimated shipment date. See the SHIPPED data element.

Data Element Definitions

The following table defines the data elements required for the Receiving Report, Invoice and Combo WAWF transactions, as well as those used by Labeling. Import of UID and RFID are covered in separate sections that follow.

The M12 data elements are listed below. They are characterized in terms of their use in Mil-Std labeling, Receiving Reports and/or Invoices, to indicate what is likely required by those work products. All are not required to be included in the import files, as the user will have the opportunity to add required data after import.

Document Identification Elements

Element	Rcv Rpt	Inv	Labeling	Type	Description
XREF	●	●	●	A35	Cross Reference Number, used by Mil-Pac applications to uniquely identify a document. XREF must be the first element of a shipment/document.
PIIN	●	●	●	A16	Contract Number (Procurement Instrument Identification Number). See also: SPIIN & PIID.
PIID ¹	●	C	C	A13/16	PIID Number (Procurement Instrument ID). See also: PIIN , SPIIN and PIID .
SPIIN	●	C	C	A4/13	Supplemental PIIN (Delivery Order Number). Use this field for either PIIDs or legacy (4-digit) Order Numbers.
SHIPNUM ²	◇	◇	◇	A8	Shipment (or Document Number for non-shipments).
FORMTYPE	◇	◇		A15	Form that is pre-selected when printing data. Default is WA250. Required for SF1034, SF1443 data.
● Required (for its purpose) C Reqd when applicable ◇ Optional Element (Blank: N/A)					

Document Control Elements

Element	Rcv Rpt	Inv	Labeling	Type	Description
DRAFT-MODE	◇	◇		FLAG	Shipment/Invoice submitted to WAWF in Draft Mode
GSA	◇	◇	◇	FLAG	Shipment is GSA contract, uses LabelWizard
LABEL-STD					LABEL-STD ("MilStd129" or "FedStd123")
RESOLVE	◇	◇	◇	FLAG	Retrieve addresses from MIL-Comply database when only CAGE or DODAAC is provided? Applies only to Prime, Ship-From, Admin, Pay-Ofc, Ship-To, Mark-For and Inspect-By.
PAGE-BREAK	◇	◇		FLAG	When placed in a CLIN section, causes that item to appear on a new page when printed on a DD250, etc.
USERNOTE	◇	◇	◇	A80	Note(s) attached to document header, not included in document itself. May repeat.
VSM	◇	◇	◇	FLAG	Shipment managed under VSM Integration
● Required (for its purpose) C Reqd when applicable ◇ Optional Element (Blank: N/A)					

¹ A PIID may be imported in the SPIIN field for compatibility with older contracts and data sources. Size is 16 characters with dashes, 13 without.

² Shipment Number is labeled as optional, even though it is required for WAWF and labeling. However, MIL-Comply will automatically generate one when not included.

Contract / Shipment-Level Data Elements

Element	Rcv Rpt	Inv	Labeling	Type	Description
ACC-PT ³	●	●		A1	Acceptance Point: [S]ource or [D]estination.
ADMINOFC ⁴	●	●		ADDR	Contract Administration Office
B-LADING	◇			A20	Bill of Lading Number.
BLOCK23	◇	◇		A75	A line of Initiator Comments (DD250 Block 23) text (up to 14 are allowed).
SHIP-TYPE	●	●		A1	Shipment is of [G]oods or [S]ervices.
CQA	●			A1	Type of Contract Quality Assurance: [S]ource, [D]estination, [O]ther, [F]astPay
CQA-DODAAC	●			A6	The DODAAC of the CQA location. This data may also be provided as a complete address (InspOfc)
CQA-REP	●			A60	Name or Entity performing CQA. This data may also be provided as a complete address (InspOfc)
CURRENCY	◇	◇		A3	Currency Code, e.g., USD or EUR
EMAIL	◇	◇		A	See Email Addresses
FMS	◇	◇	◇	A3/8	Foreign Military Sales Case ID, either 3 characters or 8 ("US-A-123"). When used, the following are required: a. Mark-For Address (with DODAAC / MAPAC) b. A MILSTRIP for each CLIN
FOB	●			A1	Free On Board: [S]ource/Origin, [I]ntermediate, [D]estination
GFE	◇			FLAG	Government Furnished Equipment
INSPOFC	●			ADDR	Inspection Office Code (Address or DODAAC only)
INV-2in1	◇	◇		FLAG	Flag's the transaction as a 2-in1 Invoice
INV-DATE	◇	●		A12	Date of Invoice
INV-NUM	◇	●		A12	Invoice Number (MOCAS limit is 8 characters)
ISSUED-BY	◇	◇		A6	DODAAC Contract Office (or Buyer)
LIQDPAID		◇		D11	Liquidated Amount
LPO-CODE	◇	◇		A6	DODAAC of the Local Processing Office (LPO)
MARKFOR	◇	◇	◇	ADDR	Mark-For Address Considered to be Mark For Instructions if no DODAAC is provided. See also: MFINSTRUCT.
METHSHIP	●		●	A1	Method of Shipment code (per Mil-Std 129).
MFINSTRUCT	◇			ML35	Mark-For Instructions, used in place of and/or addition

³ Use of ACC-PT replaces the redundant use of the ORIG-ACC and DEST-ACC (version 1).

⁴ Renamed from ADMINOFF (v1) which is still acceptable.

Element	Rcv Rpt	Inv	Labeling	Type	Description
					to MARKFOR
NUM-CNTRS	●			N	Number of Containers
ORDERDATE	◇	◇		DATE	Date of Purchase Order or Contract Award
PAYMTDUE		◇		D11	Non-liquidated amount due
PAYOFC ⁵	●	●		ADDR	Contract Payment Office
PI-TYPE				A1	Contract Type Code (default: DOD FAR)
POD			◇	A3	Port of Debarkation Routing ID Code (RIC)
POE			◇	A3	Port of Embarkation (RIC)
PRIME	●	●	●	ADDR	Prime Contractor.
PRINTADDL	◇	◇		FLAG	Print item each CLIN's Additional Description (if any) on forms? Default is Yes. Place in CLIN section to override setting for individual CLINs.
PROJ			◇	A3	Project Code
RFID	◇			A1	RFID Data: [I]ncluded; [F]ollows in Pack Update, [N]ot applicable
RDD			●	A3/4	Required Delivery Date in Julian format (NNN, YNNN), or in the clear
REF-PIIN	◇			A13/16	Reference Procurement Instrument Number, often used for GSA Contract Number
SENDADDL	◇	◇		FLAG	Send each CLIN's Additional Description (if any) to WAWF? Default is Yes. Place in CLIN section to override setting for individual CLINs.
SHIPFROM	●		●	ADDR	Shipped From (CAGE/Address)
SHIP-FINAL	●	●	●	FLAG	Append "Z" to Shipment Number, trigger Final Invoice marking logic
SHIPPED	●	●	●	DATE	Date of Shipment, may be estimated by appending 'E'. May use "TODAY" or "SOON", which translates to current date; with "SOON" marked as estimated.
SHIPTO	●	●	●	ADDR	DODAAC/Address of Ship To.
SIP	◇	◇		FLAG	Indicates that the SHIPTO address is Ship-In-Place. The "AE" address qualifier will be used instead of "ST".
TAC	◇	◇	◇	A4	Transportation Account Code
TCN			●	A17	Transportation Control Number
TRMS-TYPE	◇	◇		A6	Invoice Payment Terms (BASIC, FSTPAY, or CASH).
TRMS-DSCDAYS	C	C		N	Discount Days
TRMS-DSCPERC	C	C		D	Discount Percentage
TRMS-NETDAYS	C	C		N	Net Due Days

⁵ Renamed from PAYOFF (v1), which is still acceptable.

Element	Rcv Rpt	Inv	Labeling	Type	Description
TRANSPRI			●	A3	Transportation Priority
TP-Num			●	A3	Transportation Priority
SHIP-WT	●			N5	Gross weight of shipment (whole pounds).
WAWF-ARP	◇			FLAG	Qualities for Alternative Release Procedures (ARP)
WAWF-COC	◇			FLAG	Standard WAWF Certificate of Conformance (COC) is included by reference
WAWF-RFID	◇			A1	Indicates point at which RFID data will be submitted: [I]ncluded with Receiving Report, [L]ater via Pack Update, or [N]ot provided (default)
Deprecated Elements (Version 2)					
ADMINOFF	●	●		ADDR	Renamed ADMINOFC, but is still accepted
CON-TYPE	◇			A10	Contract for [SUPPLIES] (default) or [SERVICES].
DEST-CQA	●			FLAG	Contract Quality Assurance is to occur at Destination. Replaced by CQA element.
DEST-OFC	●			A20	Office Number of DEST-INSP . Replaced by CQA-DODAAC element.
INSP-OFC	●			ADDR	Renamed InspOfc (hypo removed)
ORIG-CQA	●			FLAG	Quality Assurance is at Origin (overrides value of DEST-CQA). Replaced by CQA element.
SUB-CON	◇			A12	Subcontract Number (Obsolete)
TERMS	◇	●		A20	Invoice Payment Terms. (See TRMS-TYPE)

Line Item-Level Data Elements

Element	Rcv Rpt	Inv	Labels	Type	Description
ACRN	◇	◇		A14	Accounting Classification Reference Number ⁶
ADDLINFO			◇	A35	Secondary info line (primarily for Labeling)
CLIN	●	●	●	A6	Contract Line Item Number, generally 4 digits with 2 optional alphas, e.g. 0001AA
CUBE			●	N4	Volume (of each exterior containerized unit for this item (to next whole Cubic Foot).
DODIC			◇	A4	Department of Defense Identification Code (Ammo / Explosives / HazMat)
GFP				FLAG	Indicates item is Government Furnished Property, sets the Shipment Advice Code to 'E' (GFP)
IUID					See UID Data Elements
MfrCAGE			◇	A8	Manufacturer of this line item, if different than CAGE of the PRIME
MILSTRIP	◇	◇		A22	Line item's MILSTRIP code ⁷
MILSDATA				A80	80-column MILSTRIP Data
MS2073	◇			A53	Mil-Std 2073 Packaging Code.
NOTE	◇	◇		A48	Free-form line of item description.
NOUN	●	●	●	A48	Official Description (Nomenclature) of the item.
NSN	◇	◇	●	A48	National Stock Number. General form is 'PX 1111-22-333-4444 SX', where PX and SX are optional prefix and suffix codes.
PAGE-BREAK	◇	◇		FLAG	When placed in a CLIN section, causes that item to appear on a new page when printed on a DD250, etc.
PKGDATE			●	A5	Date (MM/YY) that PRES METH was applied, or item was packaged if no preservation method
PKGPRC				A80	Packaging Requirements Code for item, with standard: "20731E:N-001-XXX-32-0-00-EB-GD-E-B9-B-00-B..."
PN	◇		●	A32	Prime contractor's part number.
PRESMETH			●	A2/3	Mil-Std-2073 Method of Preservation code (may be

⁶ Multiple ACRNs may be stated for a CLIN, by following each with the dollar amount allocated to that appropriation number. The total dollar amount of the ACRNs must equal the extended amount for the CLIN.

⁷ Multiple MILSTRIPs may be stated for a single CLIN, by following each MILSTRIP with the Unit of Issue and Quantity allocated to it, e.g.

MILSTRIP: 29723598723801 EA 10

MILSTRIP: 29723598723802 EA 12

Element	Rcv Rpt	Inv	Labels	Type	Description
					preceded by 'M' or 'COM'
PRINTADDL	◇	◇		FLAG	Print this CLIN's Additional Description (if any) on forms? Default is Yes.
PROD-ID	◇	◇		A2+A48	Alternate Product ID (e.g., "PROD-ID: CL PURPLE", where CL is EDI qualifier). Do not use VP CDRL, which is not currently supported in MIL-Comply.
RFID					See RFID Data Support
QTY	●	●	◇	N	Quantity to Ship
SENDADDL	◇	◇		FLAG	Send this CLIN's Additional Description on forms? Default is Yes.
SHELF			◇	A16	Shelf Life Start Event and Date ⁸
SHELF END			◇	A16	Shelf Life Ending Event and Date ⁹
SHIP-ADV	◇			A1	Shipment Advice Code (refer to list of codes in following section)
SN	◇		◇	A48	Serial Number(s), or SN range (e.g., X001 – X012). Range separator must have space on either side of the hyphen. SN element may repeat without limit.
UNID			◇	A4/5	United Nations Identification Number (Ammo / Explosives / HazMat). A5 if first character is 'U'
UI	●		◇	A2	Unit of Issue (per Mil-Std 129).
UID					See UID Data Elements
UIDS-REQD	C ¹⁰			A6	Are UIDs required for this line item (YES, NO, EXEMPT).
UNITPRC	◇ ¹¹	●		D11	Unit price of the line item.
WEIGHT			◇	N5	Gross weight of each exterior containerized unit for this item (to next whole pound).
Deprecated Line-Item Elements (Version 2)					
EXTDPRC	◇	◇		D13	Extended price of CLIN

⁸ Shelf Life Start Event and Date should be "ASSEMBLED", "MFD DATE", "CURED DATE" or "PACKED DATE" plus MM/YY, e.g. "ASSEMBLED 5/01" or "CURED DATE 12/04". If "CURED DATE" is used, date should be expressed in quarters instead of month, i.e. 2Q03 instead of "5/03".

⁹ Shelf Life End Event and Date should be "EXP DATE" or "INSP/TEST DATE" plus MM/YY, e.g. "INSP/TEST DATE 5/01". If Shelf Life Start was a Cured Date, the End Date should be express in quarters instead of month, i.e. 3Q03 instead of "7/03".

¹⁰ Items meeting the threshold of \$5,000 must include UIDs or assert UID:EXEMPT. This operand can do that or force user to add UIDs or declare the item to be exempt.

¹¹ Unit Price is required for UID items when submitted to WAWF.

Element	Rcv Rpt	Inv	Labels	Type	Description
CHECKSUM	◇	◇	◇	N8	Optional data checksum.
REM	◇	◇	◇	A250	Comment line (ignored).

DRAFT

Special Data Elements

Reference Number

A Reference Number is required for every shipment as a means of relating all the database records of the shipment together. An internal sales order or other such meaningful identifier is typically used. The XREF data element is used for specifying your own reference number, which can be up to thirty-five characters in length (with a limited number of special characters allowed). It may be blank, but is required as the first non-REM data element of each shipment in an M12 file, acting as the delimiter between them.

The XREF data value may be left blank, and MIL-Comply will automatically generate one based on some combination of contract, order/PIID and/or shipment numbers, according to method configured in the MIL-Comply M12 Import Options. The M12 file may control which automatic method is used by combining XREF

Examples

XREF: 21Y00173	Uses 21Y00173 as the Reference Number
XREF: AUTO	Uses the configured setting for Automatic Reference Numbering
XREF:	Same as XREF:AUTO (the colon is required)
XREF: REQN	Uses the REQN-NUM value for the Reference Number

XREF Argument	Purpose / Result
COS	Contact-Order-Shipment - combines those three fields, separated by hyphens. All other hyphens are removed, as is the shipment number's optional Z character (causes the field to overflow when the Order Number is a PIID).
PIID	uses the Order Number if it is a PIID, otherwise uses COS method. For shipments after the first one, the shipment number is appended, e.g. PIID-Shipment (plus a Z if present).
PIIDS	same as the PIID option, except that the shipment number is always used. For contracts/orders with multiple shipments this creates a more consistent reference numbering appearance. If a PIID is not present, the COS method is used.
REQN	Requisition Number - when present, the REQN-NUM is used as the reference number. For shipments after the first one, the shipment number is appended (with Z if present). If an REQN-NUM is not found, the PIIDS method is used.
REQNS	same as the REQN option, except that the first shipment number is always used. For contracts/orders with multiple shipments this creates a more consistent reference numbering appearance.
AUTO	acts as placeholder, e.g. "XREF: AUTO". The MIL-Comply M12 configuration settings are used.
<blank>	E.g. "XREF:" Same as AUTO, uses the configuration settings

PIIN, SPIIN and PIID

The Contract Number has traditionally been used as the Procurement Instrument Identification Number (PIIN). A four-digit Delivery Order number has been used as the Supplemental PIIN (SPIIN) until 2018, when it was replaced by the Procurement Instrument ID (PIID).

For imports driving Mil-Std-129 label the PIID may be imported as the PIIN. However, doing so causes loss of visibility of the Contract Number. Labeling will use the PIID if supplied in place of the PIIN when both are supplied.

Using both is recommended for imports intended for submission to WAWF, which maintains both data elements. MIL-Comply can be configured to submit the PIID in place of PIIN, while leaving them in the correct blocks of printed DD250s.

The SPIIN element will accept either a traditional four-digit order number for legacy contracts or a PIID, simplifying import file creation. Data values imported into the PIID element must be strictly compliant, that is 13 digits, or 16 digits with hyphens, which will be removed. Position 9 of the resulting identifier must be an 'F' or 'M' character.

Shipment Number

The shipment number should follow the standard rules for defense shipments, that is be of the form AAANNNN, as in XYZ0001 or XYZ0001Z. The "Z" indicates that this will be the final shipment for the contract-order.

In the absence of a SHIPNUM element, MIL-Comply will determine the next shipment number for the contract-order (PIIN and SPIIN) from the shipment history. The user will be allowed to edit the number suggested.

It might be more convenient for some M12 generating systems to separate shipment number production from the application of the "Z". The SHIP-FINAL element can be used to do this:

```
SHIPNUM:   XYZ0034
SHIP-FINAL: Yes
```

The SHIP-FINAL flag can also be used with automatically generated shipment numbers. In the absence of a SHIPNUM, a 'Z' will be appended to the automatically generated number.

Shipment Number Prefix

The Shipment Number Prefix, which is first three characters of the shipment number, is determined by a configuration option of the same name in Shipper and Labeling. It is used when creating the first shipment number for a contract-order. After that, the last shipment number used for the contract-order is simply incremented.

Final Invoice Indication

Final shipments (with Z'ed shipment numbers or SHIP-FINAL) may be automatically marked as final invoices, if MIL-Comply' is so configured in the M12/EDI-850 Options for new shipments. This does not require an invoice number at the time of import, the characteristic is simply asserted to ensure that it is not overlooked when an invoice number is entered later.

The INV-FINAL data element may be used to override this default MIL-Comply behavior. Including a Z'ed SHIPNUM or using SHIP-FINAL:YES will not result in a final invoice when INV-

FINAL is NO. Importing INV-FINAL:YES will result in a final invoice regardless of the shipment number.

When using automatic shipment number assignment, SHIP-FINAL and INV-FINAL should probably use the same value.

Email Addresses

WAWF allows for up to 9 additional email addresses to receive workflow notifications on the status of a shipment and/or invoice. These occur when a shipment is submitted, accepted, etc. The format is:

[name\] address [| [name\]address] [...]

This is illustrated by the following example:

EMAIL: Dave Smith\dave@company.com|Mary Jones\mary@company.com
EMAIL: steve@dcma.mil,robin@af.mil,Jennifer Williams\jennifer@3PL.com

Addresses may appear one to an EMAIL line, or be separated by the pipe (|) character. The recipient's name is optional and is not transmitted to WAWF. It is used only for additional identification during shipment editing. When included, the name should precede the email address, separated by a backslash (\) character.

Address Blocks

There are two methods of importing an address. A single-line method, which harkens back to the days when DD250s were simply paper documents. They may be easier for some systems to produce but can be less accurate.

```
SHIPFROM: 8T318\PACKAGING KINGS\MIL-SPEC DIVISION\1223 DAGGET ST\  
          BLDG 2\SAN DIEGO, CA 92123
```

Since M12 values are limited to a single line, individual address lines are separated by the '\' character. The first part is the CAGE/DODAAC code. The ADDR type may be composed of up to 5 'lines' of address data (except as noted) in addition to the CAGE or DODAAC code. Using adjacent backslashes will create blank lines.

A data element starting a backslash is assumed to have no CAGE/DODAAC, which is appropriate only for MARKFOR. Some WAWF transactions accept the use of just the CAGE/DODAAC without an address.

The single line format is available for: ADMINOFC, INSPOFC, MARKFOR, PAYOFC, PRIME, SHIPFROM, SHIPTO. Addresses such as LPO and BUYER and limited to their DODAAC.

Discrete Address Component Format

The single line method is easy to use but may create some ambiguity as to how the data is parsed into the components that MIL-Comply maps into labels and populates EDI transactions that are submitted to Wide-Area Workflow. This can be problematic when addresses include multiple and intermixed entity names and address lines, or elements such as phone numbers.

To give more control over that mapping, addresses may be expressed in discrete components. This is more precise and may be easier for some systems to generate.

```
Adr-USAGE:  SHIPFROM  
Adr-CODE:   8T318  
Adr-ENTITY: PACKAGING KINGS  
Adr-ENTITY: MIL-SPEC DIVISION  
Adr-ADDR:   1223 DAGGET ST  
Adr-ADDR:   BLDG 2  
Adr-CITY:   SAN DIEGO  
Adr-ST:     CA  
Adr-ZIP:    92123
```

Addresses stated in this format provide clear distinction between identification of the entity and its physical location. It can also be used to simply import an address code for a location by using just the ADR-USAGE and ADR-CODE elements. In such cases, MIL-Comply will attempt to populate the address, when used in conjunction with the RESOLVE flag. Or the user may perform a lookup manually in Comply/Shipper or Comply/Labeling.

The ADR-ENTITY and ADR-ADDR elements may appear up to three times each. The first of each should contain the most important data for that element. Their field sizes are for database storage and WAWF submittal. However, Mil-Std-129 limits address lines to 3 to 5 lines of 35 characters. DD250s and WA250s printed by MIL-Comply limit addresses to 5 lines of 44 characters.

Address Block Elements

Element	Rcv Rpt	Inv	Labeling	Type	Description																																				
Adr-USAGE	•	•	•	A	The type of address, expressed in plain-text or DISA code: <table border="0"> <tr> <td><u>Plain-Text</u></td> <td><u>DISA</u></td> <td><u>Usage</u></td> </tr> <tr> <td>Prime</td> <td>SE</td> <td>Prime Contractor</td> </tr> <tr> <td>ShipFrom</td> <td>SF</td> <td>Ship From location</td> </tr> <tr> <td>PayOfc</td> <td>PR</td> <td>Payment Office</td> </tr> <tr> <td>AdminOfc</td> <td>C4</td> <td>Contract Admin Office</td> </tr> <tr> <td>ShipTo</td> <td>ST</td> <td>Ship To location</td> </tr> <tr> <td>MarkFor</td> <td>Z7</td> <td>Ultimate Consignee</td> </tr> <tr> <td>InspOfc</td> <td>L1</td> <td>Office of Govt CQA</td> </tr> <tr> <td>LPO</td> <td>PO</td> <td>Local Processing Office</td> </tr> <tr> <td>Accept</td> <td>KZ</td> <td>Alternate Acceptance Point</td> </tr> <tr> <td>Buyer</td> <td>BY</td> <td>Buyer</td> </tr> <tr> <td>Service</td> <td>SV</td> <td>Service Performance Location</td> </tr> </table>	<u>Plain-Text</u>	<u>DISA</u>	<u>Usage</u>	Prime	SE	Prime Contractor	ShipFrom	SF	Ship From location	PayOfc	PR	Payment Office	AdminOfc	C4	Contract Admin Office	ShipTo	ST	Ship To location	MarkFor	Z7	Ultimate Consignee	InspOfc	L1	Office of Govt CQA	LPO	PO	Local Processing Office	Accept	KZ	Alternate Acceptance Point	Buyer	BY	Buyer	Service	SV	Service Performance Location
<u>Plain-Text</u>	<u>DISA</u>	<u>Usage</u>																																							
Prime	SE	Prime Contractor																																							
ShipFrom	SF	Ship From location																																							
PayOfc	PR	Payment Office																																							
AdminOfc	C4	Contract Admin Office																																							
ShipTo	ST	Ship To location																																							
MarkFor	Z7	Ultimate Consignee																																							
InspOfc	L1	Office of Govt CQA																																							
LPO	PO	Local Processing Office																																							
Accept	KZ	Alternate Acceptance Point																																							
Buyer	BY	Buyer																																							
Service	SV	Service Performance Location																																							
Adr-CODE	•	•	•	A	Address identifier, either a CAGE, DODAAC or MAPAC.																																				
Adr-ENTITY	•	•	•	A60	Name of Entity or Activity. May be repeated up to three times.																																				
Adr-ADDR	•	•	•	A55	Physical location of the Entity. May be repeated up to three times.																																				
Adr-CITY	•	•	•	A30	Name of the city.																																				
Adr-ST	•	•	•	A2	State Code (CONUS addresses only, not OCONUS) .																																				
Adr-POSTAL	•	•	•	A15	Postal Code (Zip or Zip+4 in CONUS)																																				
Adr-CC	•	•	•	A2/3	Country Code (optional for CONUS).																																				
• Required Element ◇ Optional Element (Blank indicates non-use)																																									

NOTE: For Ship-In-Place, use the SIP flag with "ST" as the Ship-To Adr-USAGE.

Unique Identifier (UID/IUID) Support

At first glance UIDs look like a just like ordinary serial numbers, but actually there are a number of details represented within the Unique Identifier:

- Entity Identifier (such as CAGE) of company assigning the UID
- IAC (Issuing Agency Code) which controls assignment of the Entity ID
- UID Type (Construct 1 or 2)
- Part Number (in the case of Construct 2)
- Serial Number

The Serial Number is that of the item in Construct 2, but just a sequence number in Construct 1, unique across all UIDs issued by the Entity.

UIDs require context to define what they refer to, so they are imported with the CLIN information that will become part of their record in MIL-Comply and the IUID Registry should the data be submitted to WAWF.

```

CLIN:          0003
NSN:          1910-01-087-4453
NOUN:         BOOTS, WOMBAT
PN:           CB-WOM-LRG
QTY:          3
UI:           EA
UNITPRC:      71.09

UID:          D1HLD9CB-WOM-LRG00001
UID:          D1HLD9CB-WOM-LRG00004
UID:          D1HLD9CB-WOM-LRG00005

```

Note that in the example above, there is nothing to indicate which UID Construct is in use. MIL-Comply will determine that automatically, assuming that if the PN is found in the UII immediately following the Entity ID (as indicated by the CAGE in the PRIME address). If the Entity ID is not the Prime, use MFR-ID to indicate the entity responsible for assignment of the UII.

Using UID1 / UID2 Data Elements

To ensure that the UID is properly imported, use UID1 or UID2 data elements. This will cause MIL-Comply to validate the UII, generating an error if the data is inconsistent. For example, if the PN was not found in the appropriate location in a UID2 element's value MIL-Comply would report an error rather than assume the UID was Construct 1.

Recommendation: For the most accurate import, always use **UID1** or **UID2**, if possible. **UID** is fine if that is most convenient.

UID Serial Number

The serial number of a UID-marked item can be added to the import line. It is unnecessary for Construct 2 because it can be derived from the UII. For Construct 1, there is no relationship between the UII and the item's serial number. Therefore, it is entered following the UII.

```

UID1:         D1HLD9000030991|XK5R0093
UID1:         D1HLD9000030992|XK5R0082
UID1:         D1HLD9000030993|XK5R0114

```

UID Data Elements

Element	Labeling	WAWF Update	Type	Description
UID	R	R	A50	UID end-item of unknown Construct
UID1	R	R	A41	Construct 1 end-item UID
UID2	R	R	A50	Construct 2 end-item UID
UIDS-REQD	O	O	Flag	Use to indicate UID requirement for CLIN (Yes/No/Exempt).
EMBED	N	C	A50	UID to be embedded in previous UID/UID1/UID2. UID Construct is determined by EMBED-PN. May be repeated to embed multiple items within an end-item.
EMBED-PN	N	C	A30	The Part Number of next EMBED item (deprecated in 3.6)
MFR-ID	N	C	A5..9	CAGE or DUNS of third-party manufacturer assigning UII
(R)EQUIRED ELEMENT WHEN IMPORTING UIDS. (C)ONDITIONAL (O)PTIONAL (N)OT USED				

The size of the composite UID elements above is stated as 50 (41 for UID1). When broken out, the components of the UII must fall within these size limits:

Element	Min	Max
IAC	2	3
Entity	5	9
Part Number	1	32
Serial Number	1	30

For example, a 39-character UID1 like D12345**SN3456789012345678901234567890123**, while within the 41-character limit for the UID1 M12 data element, would be disallowed because the **serial number** portion is longer than the limit of 30 characters. Component sizes are DOD constraints.

Use of Third-Part Entity IDs and Part Number

It is possible to submit UIIs that use an Entity ID (i.e. CAGE) and/or Part Number other than that of the Prime Contractor. These must be identified for WAWF, and so that MIL-Comply will recognize such UIIs as validate UID constructs. The MFR-ID and the UID-PN correct for these problems, and ensures that the correct manufacturer, part number and construct are reported.

CLIN: 0004
 NSN: 1910-01-087-4453
 NOUN: BELTS, WOMBAT
 PN: BLT-WOM-CAMO
 MFR-ID: 8T318
 QTY: 3
 UI: EA

UID-PN: CAMOBELT44A
 UID2: D8T318CAMOBELT44A0000001
 UID2: D8T318CAMOBELT44A0000002
 UID2: D8T318CAMOBELT44A0000004

This is, by the way, an example of where use of UID2 instead of simply UID would be critical. Unless UID2 was specified, the UIIs would have been assumed to be Construct 1, and the wrong part number would have been reported. With UID2 in place, MIL-Comply throws an error to warn you that the UIIs are not Construct 2 for the item part number (BLT-WOM-CAMO).

Embedded UIIDs

MIL-Comply supports embedded UID items, to many levels. However, Wide Area Workflow only accepts first level embedded items, and Mil-Std-129 does not require embedded UIIDs to be listed on container labels. Therefore, the M12 specification limits itself to end-items and the first level of embedded items. Contact Mil-Pac Technical Support for assistance in submitting embedded UID items beyond the first level, or directly to the UID Registry, including import formats to support that.

Embedded UIIDs are a little more complicated because they are not related to the CLIN and Prime. This requires that all of the labeling and WAWF-required data appear with each item. The syntax of an embedded is:

EMBED: <UII> | <PartNo> | <Noun> [|<ItemSN>] (*ItemSN* is optional for Construct 2)

For example:

```
EMBED:  D1HLD9LOCOM0000124 | LOCOMO-981A | LOCOMOTIVE | LCM9-00194B
          |           |           |           |           |
          <UII>      <P/N>      <Noun>      <Item SN>
```

The item's serial number is included because the UII is a Construct 1. Including the serial number is optional for Construct2 when it can be derived by the presence of the *P/N*. Including Item SN does not hurt, in fact, it allows MIL-Comply to perform error detection by confirming that the *P/N* and *Item SN* appear where expected in the UII.

The following is an example of EMBEDDED items with parents.

```
CLIN:      0005
NSN:      4510-01-226-8551
NOUN:     TRAIN SET
PN:       TRAINSET
QTY:      3
UI:       EA
UNITPRC:  1227

UID:      DX0000TRAINSET0001
EMBED:    DX0000LOCOMO-981A0001-001 | LOCOMO-981A | LOCOMOTIVE
EMBED:    DX0000FRTCAR-245B00000001 | FRTCAR-245B | FREIGHT CAR
EMBED:    DX0000FRTCAR-245B00000002 | FRTCAR-245B | FREIGHT CAR
EMBED:    DX0000TANKER-678X00003001 | TANKER-678X | TANKER CAR
EMBED:    DX0000TANKER-678X00013002 | TANKER-678X | TANKER CAR
EMBED:    DX0000CABOOS-842A00019001 | CABOOS-842A | CABOOSE

UID:      DX0000TRAINSET0002
EMBED:    DX0000LOCOMO-981A0002-001 | LOCOMO-981A | LOCOMOTIVE
EMBED:    DX0000FRTCAR-245B00000003 | FRTCAR-245B | FREIGHT CAR
EMBED:    DX0000FRTCAR-245B00000004 | FRTCAR-245B | FREIGHT CAR
EMBED:    DX0000TANKER-678X00003003 | TANKER-678X | TANKER CAR
EMBED:    DX0000TANKER-678X00003004 | TANKER-678X | TANKER CAR
EMBED:    DX0000CABOOS-842A00009002 | CABOOS-842A | CABOOSE
```

Note that indentation and other whitespace, included above for readability, is not necessary.

RFID Data Support

MIL-Comply accepts RFID data in M12 files for two purposes: label printing and/or RFID data upload to WAWF. RFID Cases may contain UIDs, multiple CLINS (multi-pack) and may be aggregated onto pallets. Recognition of Multi-Box UID items occurs automatically in Comply/RFID Manager. A UID that is associated with more than one RFID will be marked as being in multiple boxes when submitted to WAWF.

```

PIIN:      N53005-11-R-2223
SHIPNUM:   MPT0012

RFCASE:    2F120313233343500000004A
RFCLIN:    0017AA
RFQTY:     ?
  
```

Simple RFID M12 File

Use of the RFID elements is fairly straightforward. They are placed at the end of the file, after the last CLIN, if any. Besides RFID elements, the only other requirements are a contract number (PIIN) and shipment number (SHIPNUM). Note that CSV is supported as an alternative for importing data consisting of RFIDs and/or UIDs for WAWF submission.

NOTE: Import of RFID for labeling purposes requires use of Comply/Labeling in Standard Mode.

RFID Data Elements

Element	Labeling	WAWF Update	Type	Description
RFPALLET	C	C	A24	RFID assigned to a Pallet.
RFCASE	R	R	A24	RFID assigned to a Case (exterior container)
RFUNIT	C	C	A24	RFID assigned to a Unit
RFCLIN	R	R	A4/6	Contract Line Item in RF-tagged container
RFQTY	R	R	N9	Quantity of the RFCLIN in the tagged container
RFUID	O	O	A50	UID assigned to the current container
CASE-WT	O	N	N9	Weight of RFCase in pounds (rounded up)
CASE-CUBE	O	N	N9	Volume of RFCase in cubic feet (rounded up)
PALLET-WT	O	N	N9	Weight of RFPallet in pounds (rounded up)
PALLET-CU	O	N	N9	Volume of RFPallet in cubic feet (rounded up)
(R)EQUIRED ELEMENT (C)ONDITIONAL (O)PTIONAL (N)OT USED				

M12 RFID Examples

This is a collection of typical RFID import scenarios. Some indentation was added between the operators and data for readability. No spaces are necessary between the colon and data.

```
Rem:          ----- Two RFID Cases each on two RFID Pallets -----
RFPALLET:    2F020313233343500000001B
RFCASE:      2F1203132333435000000023
RFCLIN:      0017
RFQTY:       2
RFCASE:      2F1203132333435000000024
RFCLIN:      0017
RFQTY:       2
```

```
RFPALLET:    2F020313233343500000001C
RFCASE:      2F1203132333435000000025
RFCLIN:      0017
RFQTY:       2
RFCASE:      2F1203132333435000000026
RFCLIN:      0017
RFQTY:       2
```

RFPALLET:CLOSE is necessary only in the unusual circumstance of mixing palletized and loose Cases in the same shipment.

```
Rem:  ---- Close the Pallet so following Cases are not placed on it
RFPALLET:  CLOSE
```

```
Rem:          ----- Loose (unpalletized) Cases -----
RFCASE:      2F1203132333435000000028
RFCLIN:      0023
RFQTY:       44
RFCASE:      2F1203132333435000000029
RFCLIN:      0023
RFQTY:       44
```

```
Rem:          ----- Single Multipack Case -----
RFCASE:      2F1203132333435000000027
RFCLIN:      0017
RFQTY:       2
RFCLIN:      0223
RFQTY:       5
```

```
Rem:          ----- Cases with UIDs -----
RFCASE:      2F1203132333435000000048
RFCLIN:      0012
RFQTY:       1
RFUID:       D1HLD9KKR2356772005553
```

```
RFCASE:      2F1203132333435000000049
RFCLIN:      0012
RFQTY:       1
RFUID:       D1HLD9KKR2356772005554
```

```
RFCASE:      2F120313233343500000004A
RFCLIN:      0017AA
RFQTY:       2
RFUID:       D1HLD9KKR898772000001
RFUID:       D1HLD9KKR898772000002
```


Specialized Forms / Transactions

The M12 file is generally used to import WAWF shipments that conform to the DD250 form. The DD1348 and DD1149 forms are supported for their specific uses. This section provides samples of these, along with defining specific data elements used by them.

DD1348 – Issue Release Receipt

The following is an example of an M12 file for a DD1348 shipment. This example, like most DD1348s has a single line item. Where multiple items are included, a separate DD1348-1A is printed for each item.

```

XREF:          SAMPLE1348-06

rem:          (Reqn-Num may be used is in place of PIIN
rem:          for purposes of document ID)
Reqn-Num:     DLA00018F0001

FormType:     DD1348

Shipped:      20180401
ShipFrom:     8T318
Prime:        1HLD9\MIL-PAC TECHNOLOGY\1672 MAIN STREET\RAMONA, CA 92065
ShipTo:       N64100\SHIP REPAIR FACILITY\12345 TEST LANE\
               BLDG 1234\SOMEWHEREVILLE, CA 94023

MFInstruct:   THESE ARE MARK-FOR INSTRUCTIONS, WHICH MAY
MFInstruct:   REPEATED FOR A TOTAL OF UP TO SEVEN LINES.
MFInstruct:   AN ADDRESS (WITH DODAAC) COULD BE USED
MFInstruct:   INSTEAD. THEY MAY BE IMPORTED AS A SINGLE
MFInstruct:   LINE AS MARKFOR WITH BACKSLASHES, NO CODE.

rem:          --- DD1348-Specific Document-level data ---
1348-Blk4:    51704
Doc-ID:       A4A

rem:          ----- Line Item -----
CLIN:         0001
Noun:         SUPPLY WIDGET
NSN:          1234-01-222-4414
PN:           PART-123ABC
UI:           EA
Lot:          7K8-12-074
UnitPrc:      70.02

rem:          --- DD1348-specific CLIN-level data ---

Qty-Reqn:     2
Proj-Code:    KV1
CondCode:     A
MILPriority:  06
RDD:          202
SuplAddr:     N64100

```

DD1348-specific Data Elements

Keyword	Document Level	Type	Card Columns	Description
REQN-NUM	Shipment	A13		Requisition Number
FORMTYPE	Shipment	A6		Must be <i>DD1348</i>
DOC-ID	Shipment	A3	01 - 03	Document ID (transaction purpose)
Qty-Reqn	Item	N	25 - 29	Quantity Requisitioned (flows into QTY Shipped)
SuplAddr	Item	A6	46 - 50	Supplemental Address
Proj-Code	Item	A3	57 - 59	Project Code
MILPriority	Item	A2	60 - 61	Military Priority (not the same as TRANSPRI or TP-Num)
RDD	Item	A3	62-64	Required Delivery Date (3-digit Julian)
CondCode	Item	A1	71	Condition Code
1348-Blk4	Shipment	A18		Block 4

DD1149 – Property Transfer / Shipment

XREF: 1149DEL2572002
FORMTYPE: DD1149

REM: ----- 1149 INFORMATION -----

REQN-NUM: 1013949

SHIPNUM: ACD2572001
SHIPPED: 2018NOV20E
METHSHIP 5

ACO: X00ACO
PCO: X00PCO

SHIPFROM: 1HLD9\MIL-PAC TECHNOLOGY\1672 MAIN STREET\RAMONA, CA 92065
SHIPTO: X00000\JBC CHARLESTON ROR, SC\THE BOEING COMPANY\209 BATES
STREET BLDG. 80 M76\CHARLESTON,SC 29404-4489

AUTHORITY: FA8526-12-D-0001/CC1705153/1420958/0001
VOUCHERNUM: 2572001
VOUCHERDate: 20181201
B-LADING: GBL0980001

RCAP-CNTRS: 1
RCAP-TYPE: BOX
RCAP-DESC: ELECTRONIC ASSEMBLIES
RCAP-WT: 5
RCAP -CUBE: 2

TOTAL-CNTRS: 4
TOTAL-WT: 20
TOTAL-CU: 14

rem: ----- Line-Item Detail -----

CLIN: 0001
NSN: 5998-01-000-7100
NOUN: DESC: MODULE ASSY
PN: 103E9998G5
QTY: 1
UI: EA

NOTE: Customer P/N: 236712K8
NOTE: SHIPMENT NOT FOR EXPORT.
NOTE:
NOTE: ACQUISITION VALUE = \$29,841.94
NOTE:
NOTE: S/N: 94L1031

DD1149 Data Elements

Keyword	Document Level	Type	Description
XREF	Shipment	A26	Cross Reference Number, used by Mil-Pac applications to uniquely identify a document. XREF must be the first element of a shipment/document.
FORMTYPE	Document	A6	Required. Must be <i>DD1149</i>
PIIN	Shipment	A16	Required. Contract Number (Procurement Instrument ID Number). See also: PIIN, SPIIN and PIID .
SPIIN	Shipment	A4/13	Supplemental PIIN (Delivery Order Number). Use this field for either PIIDs or legacy (4-digit) Order Numbers.
PIID ¹²	Shipment	A13/16	PIID Number (Procurement Instrument ID).
FORMTYPE	Document	A6	Must be DD1149
REQ-NUM	Shipment	A25	Requisition Number (REQ-NUMBER in prior versions, still supported)
SHIPMENT	Shipment	A8	Shipment Number (internal)
SHIPPED	Shipment	DATE	Date of Shipment
VOUCHERNUM	Shipment	A15	Voucher Number (block 11a)
VOUCHERDATE	Shipment	DATE	Date of Voucher (block 11b)
AUTHORITY	Shipment	A40	Authority or purpose (block 9)
ACO	Shipment	A6	DODAAC of Issued By / Buying Party
PCO	Shipment	A6	DODAAC of Contracting Office Representative
B-LADING	Shipment	A30	Govt Bill of Lading (LADINGBILL in prior versions, still supported)
METHSHIP	Shipment	A1	Method of Shipment code (per Mil-Std 129).
Container Summary (Block 16)			Each field may be repeated for a total of 4 of each. They may be grouped by row or column and appear in the order entered.
RCAP-CNTRS	Shipment	N	Number of containers
RCAP-TYPE	Shipment	A5	Type of container
RCAP-DESC	Shipment	A35	Description of the container contents
RCAP-WT	Shipment	N	Weight of RCAP-CNTRS containers

¹² A PIID may be imported in the SPIIN field for compatibility with older contracts and data sources.

Keyword	Document Level	Type	Description
RCAP-CUBE	Shipment	N	Volume of RCAP-CNTRS containers
TOTAL-CNTRS	Shipment	N	Total number of containers
TOTAL-WT	Shipment	N	Total weight of containers
CLIN	Item	A6	Line-Item Number
NOTE	Item	A48	Free-form line of item description.
NOUN	Item	A48	Official Description (Nomenclature) of the item.
NSN	Item	A48	National Stock Number. General form is 'PX 1111-22-333-4444 SX', where PX and SX are optional prefix and suffix codes.
PN	Item	A32	Prime contractor's Part Number.
PROD-ID	Item	A2+A48	Alternate Product ID (eg "PROD-ID: CL PURPLE", where CL is EDI qualifier.
QTY	Item	N	Quantity to ship
UI	Item	A2	Unit of Issue (per Mil-Std 129).

SF1034/1035 – Cost Voucher Invoice

The Cost Voucher is an invoice document, not tied to any shipment. However, it is treated as such in some ways to fit into the Shipper design. This includes having a Shipment Number, which is used merely for indexing. The Voucher Number is submitted to WAWF.

XRef: SAMPLE COST VOUCHER IMPORT

FormType: SF1034

PIIN: N00000-14-G-0000

SPIIN: FG01

ShipNum: 00000038

Req-Num: 33001687

AwardDate: 10/07/10

VouchNum: BVN0038

VouchDate: 11/15/13

PeriodBeg: 09/06/12

PeriodEnd: 11/15/13

rem: ---- Addresses for Prime, AdminOfc, and PayOfc are optional, as

rem: ---- MIL-Comply can retrieve them from your database by DODAAC

Prime: 1HLD9\Mil-Pac Technology\1672 Main Street\Ramona, CA 92065

AdminOfc: S3605A\DCMA DAYTON\BUILDING 30 AREA C\1725 VAN PATTON
DRIVE\WRIGHT PATTERSON AFB, OH 45433

PayOfc: HQ0337\DFAS - COLUMBUS CENTER\NORTH ENTITLEMENT
OPERATIONS\P.O.BOX 182266\COLUMBUS, OH 43213-1152

AuditOfc: HAA139

LPOCode: N00535

IssuedBy: X00535

Ship-To: N00024

Total: 56158.97

Block23: These are Initiator Comments, as supported on WAWF Receiving
Block23: Reports and Invoices. They are supported on the WAWF 810
Block23: Cost Voucher, but not on the SF1034 form itself.

Block23:

Block23: Comments are included in the WAWF transaction, and printed on
Block23: the SF1034 form following the last line item.

Block23:

Block23: The Issued By DODAAC is an optional WAWF field, recommended
Block23: for certain types of contracts. There is no field for it
Block23: on the official SF1034. It is printed in the excess space
Block23: of the Payee block.

CLIN: 0001AD

Noun: Testing Services

Qty: 1

UI: EA

UnitPrc: 56158.97

ACRN: AC

CLIN: 0002AD
Noun: Engineering Services
Qty: 1
UI: EA
UnitPrc: 60000.00
ACRN: AA \$10000.00
ACRN: AB \$20000.00
ACRN: AC \$30000.00

CLIN: 0003AD
Noun: Documentation
Qty: 1
UI: EA
UnitPrc: 40000.00
ACRN: AA \$10000.00
ACRN: AC \$30000.00

Cost Voucher Data Elements

Keyword	Document Level	Type	Description
XREF	Document	A26	Cross Reference Number, used by Mil-Pac applications to uniquely identify a document. XREF must be the first element of a shipment/document.
FORMTYPE	Document	A6	Required. Must be <i>SF1034</i>
PIIN	Document	A16	Required. Contract Number (Procurement Instrument ID Number). See also: PIIN , SPIIN and PIID .
SPIIN	Document	A4/13	Supplemental PIIN (Delivery Order Number). Use this field for either PIIDs or legacy (4-digit) Order Numbers.
PIID ¹³	Document	A13/16	PIID Number (Procurement Instrument ID).
REQN-NUM ¹⁴	Document	A25	Requisition Number
SHIPMENT	Document	A8	Shipment Number (internal)
AWARDDATE	Document	DATE	Date of Contract Award
VOUCHERNUM	Document	A15	Voucher Number
VOUCHERDATE	Document	DATE	Date of Voucher
PERIODBEG	Document	DATE	Beginning Date of the invoice period
PERIODEND	Document	DATE	Ending Date of the invoice period

¹³ A PIID may be imported in the SPIIN field for compatibility with older contracts and data sources.

¹⁴ Key was REQN-NUM and REQ-NUMBER in prior versions, both are still supported.

Keyword	Document Level	Type	Description
PRIME	Document	ADDR	Prime Contractor
ADMINOFC	Document	ADDR	Contract Administration Office
PAYOFC	Document	ADDR	Payment Office
ISSUEDBY	Document	A6	DODAAC of Issued By / Buying Party
AUDITOFC	Document	A6	DODAAC of Auditor
LPOCODE	Document	A6	DODAAC of Local Processing Office (Navy contracts)
SHIPTO	Document	A6	DODAAC of site of services
TOTAL	Document	A6	Invoice Total
BLOCK23	Document	A75	Initiator Comments. May repeat for total of 14 lines.
CLIN	Item	A6	Line-Item Number
NOUN	Item	A48	Description of the item
QTY	Item	N	Quantity to ship
UI	Item	A2	Unit of Issue (per Mil-Std 129).
UNITPRC	Item	D11	Unit Price
ACRN ¹⁵	Item	A2	Accounting Classification Reference Number

¹⁵ Multiple ACRNs may be stated for a CLIN, by following each with the dollar amount allocated to that appropriation number. The total dollar amount of the ACRNs must equal the extended amount for the CLIN.