

WideAreaWorkFlow
e-Business Suite



EDI Guide - Appendix N
856 (Receiving Report & Energy Receiving Report)

Version 5.9.1
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Under:
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History Page

<i>Version</i>	<i>Date</i>	<i>Change Description</i>
5.4.0-1	8/27/12	CAMCG166 Removed all History prior to 5.4
5.4.0-2	10/11/12	REF Pos.150: Added "ACC" to REF01 and "Draft" to REF02 for Draft Indicator. Added Sample and "ACC" to code list for HL03=S.
5.4.0-3	12/7/12	WIT Issue 2501 v5.4 SIT REF Pos.150: Added additional "Draft" information to notes section
5.4.0-4	12/13/12	WIT Issue 2467 v5.4 SIT PRF Pos.50, PRF02: Updated Grant to Grant/Cooperative Agreement and added Non-Procurement Instruments to Description and Notes columns. REF Pos.150, REF02: Updated Grant to Grant/Cooperative Agreement and added Non-Procurement Instruments to "D"
5.4.1-1	02/19/13	CAMCG196 Updated to Version 5.4.1, July 2013
5.4.1-2	02/25/13	ECP_0727 - FTP/EDI Guides LIN Pos.020, LIN01: Added MOCAS edit – 4N, 4N2A, 1A3AN, "NONE" or "NONE"NN
5.5.0-1	06/06/13	CAMCG211 Updated to Version 5.5.0, January 2014
5.5.0-2	06/17/13	ECP_0742 FTP/EDI Guides LIN Pos.020 LIN01: Updated One Pay to 4N or 4N2A
5.5.0-3	07/11/13	WIT Issue 2771 v5.4 OAT 1 Updated CCR reference to SAM under General Instructions/Notes section/3 rd bullet
5.5.0-4	10/21/13	WIT Issue 3368 v5.5 OAT 1 SLN Pos.040: Updated Notes at the top to say: There may be one instance of SLN per LIN Loop to specify Subline Item detail, (where HL03 = I).
5.5.0-5	10/24/13	WIT Issue 3415 v5.5 OAT 1 BSN Pos. 020: Updated Corrected Receiving Report notes to say – Original Contract Number (REF Segment at Position 150 where REF01 = P1) Original Delivery Order Number, if assigned to the original document (REF Segment at Position 150 where REF01 = DO) Original Shipment Information (REF Segment at Position 150 where REF01 = SI)
5.6.0-1	01/07/14	iRAPT-215 Updated to Version 5.6.0, August 2014
5.6.0-2	01/14/14	iRAPT-208 BSN Pos. 020: Updated Corrected Receiving Report notes to fix alignment of bullets– Original Contract Number (REF Segment at Position 150 where REF01 = P1) Original Delivery Order Number, if assigned to the original document (REF Segment at Position 150 where REF01 = DO) Original Shipment Information (REF Segment at Position 150 where REF01 = SI)
5.6.0-3	01/14/14	WAWF-210 WIT Issue 3530 v5.5 OAT 2 CLD Pos.170 - CLD05: Updated Note column for location of UofM table to "Please

		refer to the iRAPT website under the Lookup dropdown for the Units of Measure Table.”
5.6.0-4	01/21/14	<p>WAWF-236 WIT Issue 3626 v5.5 OAT 2</p> <p>REF Pos.150: Updated list of Secondary Transportation Tracking Number Types under REF03 and separate list after the segment to 08, AW, BN, CN, CY, FI, IZ, K2, K3, WY, XC, XY, ZH or 0L.</p>
5.6.0-5	02/11/14	<p>WAWF-62 ECP_0714 - FTP/EDI Guide Changes</p> <p>REF Pos.150:</p> <p>Added “2E” to REF01 and REF02 for FMS Case Identifier; Added sample and code to the list.</p> <p>Added “P4” to REF01 and REF02 for Project Code; Added sample and code to the list.</p> <p>Added “TH” to REF01 and REF02 for Transportation Account Code; Added sample and code to the list.</p> <p>TD4 Pos.140: Added note for Special Package Markings/Special Handling Requirements to TD401, added Field TD404 and sample.</p> <p>TD1 Pos.110: Added TD109 and TD110 to submit Cube</p> <p>LIN Pos.020: Added sample and “ZR” to list of codes for MASL Number</p>
5.6.0-6	02/20/14	<p>WAWF-298 ECP0764 - FTP/EDI Guide Updates</p> <p>All Stock Part Number references updated to Product/Service ID and Stock Part Number Type references to Product/Service ID Qualifier.</p> <p>LIN Pos.020: Added LIN04 - LIN31, updated Product/Service ID max length to 48 for LIN03 and added Sample. Updated Notes section to:</p> <p>iRAPT rejects transactions with codes that are not listed within the Product/ Service ID Qualifier Codes table.</p> <p>iRAPT will allow up to 15 Product/Service Qualifiers and ID pairs (LIN02-LIN31). If additional information is to be provided, use the PID Segment.</p> <p>If Product/Service ID Qualifier in LIN02 is “FS”, then the Product/Service ID must be a minimum of 13 and a maximum of 13 alphanumeric characters reported in LIN03.</p> <p>Updated last bullet under Payment System Edit Notes to: iRAPT will allow up to 15 Product/Service Qualifiers and ID pairs (LIN02-LIN31).</p>
5.6.0-7	03/04/14	<p>WAWF-323 ECP0761 - FTP/EDI Guide Updates</p> <p>HL Pos.010: Updated HL01 - HL04 with Mark Data notes, added “X” for Mark Data and Sample</p> <p>REF Pos.150:</p> <p>Updated REF01 - REF04 with Mark Content Type and Value notes, added list of Content Type codes and Sample. Added Composite Fields C04003, C04004, C04005 and C04006 to REF04.</p> <p>Updated REF01 and REF02 with Mark Medium notes and added Sample</p> <p>Updated REF01 and REF02 with Mark Set Number notes and added Sample</p> <p>Updated REF01 and REF02 with Mark Bagged/Tagged Indicator notes and added Sample</p> <p>DTM Pos.200:</p> <p>Added “094” for Date of Manufacture and Sample</p>

		<p>Added "007" for Mark Effective Date and Sample</p> <p>N1 Pos.220: Added 42 for Component Manufacturer, added Manufacturer CAGE, Manufacturer Name and Samples Added 42 for Manufacturer Name and Sample Added AAU for Marker Code and Marker Identifier with Sample</p> <p>N2 Pos.230: Added remaining Manufacturer Name notes and Sample</p> <p>LIN Pos. 020, LIN01: Added "The letters "I" and "O" may not be used within the Line Item Number."</p>
5.6.0-8	03/27/14	<p>WAWF-675 WIT Issue 3843 v5.6 SIT ECP 714 iRAPT Guides Min/Max for Project Code Incorrect</p> <p>REF02 at Pos.150: Updated Min/Max to 3/3 for Project Code</p>
5.6.0-9	03/27/14	<p>WAWF-674 WIT Issue 3842 v5.6 SIT ECP 714 5.6Bld1Fix1_EDI/FTP guides FMS with Milstrips</p> <p>REF Pos.180: Added Note after table for an FMS Receiving Report to require either one MILSTRIP Document No. or one PR Number per line item.</p>
5.6.0-10	04/15/14	<p>WAWF-736 WIT Issue 3893 v5.6 SIT ECP 764 Guides unclear/conflicting for CDRL</p> <p>LIN Pos.020: Updated 3rd bullet with MOCAS Product/Service ID qualifier notes for CDRLs and non-CDRLs</p>
5.6.0-11	05/07/11	<p>IUID-100 WIT Issue 3895 v5.6 SIT ECP 761 Unable to Submit RR/Combo without MARK Data in EDI/FTP File</p> <p>HL Pos.010: HL02 – Added Note for Mark Data</p> <p>REF Pos.150: Added Mark Data Samples for UIDs when (REF01=U3) and Samples when REF04 (HL03=F) = for UIDs Added additional Notes for Mark Loop when (HL03 = X).</p>
5.6.0-12	05/18/14	<p>IUID-201 WIT Issue 3998 Guides FTP/EDI Guides Need updated NOTE instructions for use of Line 16P Mark Record.</p> <p>REF Pos.150 - Added the following notes for Mark Value on pg. 73 after Mark Content Types: There may be one or more instances of the Mark Value added per UII per Line Item Loop. If the Mark Value is not submitted, a default of 2D Compliant Mark will be added for the UII. There may be one or more instances of the Mark Value added per Non-GFP Embedded UII per Line Item Loop. If the Mark Value is not submitted, a default of 2D Compliant Mark will be added for the Non-GFP Embedded UII. Mark Value may not be submitted and will not default for GFP Embedded UIIs.</p>
5.6.0-13	05/20/14	<p>WAWF-1033 WIT Issue 4066 ECP 714 iRAPT Notes in Appendix N and Q for Unit Price</p> <p>SLN Pos. 40 when HL03=I, at SLN06 added: When creating an FMS Receiving Report and REF02="2E", the entry of the Unit Price is mandatory and must be greater than zero.</p>
5.6.0-14	05/20/14	<p>WAWF-1007 Updated Delivery Order Nos. to 0015 on header</p>

5.6.0-15	07/08/14	WAWF-1283 Updated to Version 5.6.0, October 2014
5.6.0-16	07/11/14	IUID-475 REF Pos.150, REF02: Removed "DEFINED" from list of Mark Medium Values
5.6.0-17	07/15/14	WAWF-1301 SLN Pos.40, SLN06: Added 'where NSP indicator is set to "N" ' and 'When the NSP indicator is set to "Y", the Unit Price must be zero.' to existing NSP note.
5.6.0-18	07/17/14	IUID-503 LIN Pos.020, 4th Bullet: Updated to 'If Product/Service ID Qualifier in LIN02 is FS, then the Product/Service ID must be 13 numeric characters reported in LIN03.'
5.6.0-19	08/19/14	WAWF-1449 PRF Pos.050- PRF01: Added "Positions 10 through 13 may not be "0000"." to Contract Number edits for DoD FAR Contract. PRF02: Added "Letters "I" and "O" are not allowed. The characters "A" and "P" are prohibited in the first position. "0000" is not an acceptable value." to Delivery Order edits for DoD FAR Contract.
5.7.0-1	10/22/14	WAWF-1760 Updated to Version 5.7.0, April 2015
5.7.0-1	10/27/14	WAWF-1736 ECP 0790 FTP/EDI Guide updates. REF Pos. 150- REF02: Added "When HL03 = "I," and REF01 = "DF," enter the UID Clause Number "252.211-7003" in REF02." REF03: Added "When HL03 = "I," and REF02 = "252.211-7003," enter "EXEMPT" or "NON-EXEMPT" in REF03." Added samples for UID Exemption Indicator. Added "DF" to REF01- Reference Identification Qualifier.
5.7.0-2	11/07/14	WAWF-1556 ECP0731 - FTP/EDI Guide Updates N1 pos. 070- Added "FE" to N101 Codes. Added segments N105 and N106. Added sample. PER pos. 120- Added "CN" to PER01- Contact Function Code. PER02: Added conditional notes Added segments PER03-PER08. Added sample.
5.7.0-3	02/19/15	WAWF-1908 ECP0794 guide updates PRF pos. 050- PRF01: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) PRF02: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16)

		Updated sample Added PRF01 and PRF02 Contract Number and Delivery Order Edits REF pos. 150- REF02: Added S Uniform PIID (FAR 4.16)
5.7.0-4	05/06/15	iRAPT-53 LIN pos. 020- LIN02: Added SW to list of valid product/service ID qualifier codes for EBS iRAPT-237 WIT 5131 REF pos. 150- REF03: Added "Document-level comments are mandatory when REF03= EXEMPT"
5.8.0-1	06/23/15	WAWF-2407 Updated to Version 5.8.0, November 2015
5.8.0-2	06/24/15	iRAPT-168 ECP0809 FTP/EDI guide updates HL pos. 010: Added "UID data will be ignored when submitting an Energy Receiving Report or Energy Combo."
5.8.0-3	07/06/15	WAWF-2427 ECP0794 PRF pos. 050- Updated fiscal year in PRF01 and PRF02 Contract Number and Delivery Order Edits
5.8.0-4	08/20/15	DR 1274 REF pos. 150- REF01: Added "Enter 'FS' (Final Sequence Number) REF02: Added "When REF01 = 'FS', enter 'Y' or 'N'." Added samples for final shipment indicator REF01- Reference Identification Qualifier (HL03=S): Added code "FS" iRAPT Payment System Edit Notes: Added notes for final shipment indicator
5.9.0-1	12/22/15	WAWF-2762 Updated version to 5.9.0, updated deployment date to June 2016
5.9.1-1	08/16/16	WAWF-3303 Updated contract number to SP4701-16-D-2001. Updated version to 5.9.1 and deployment date to October 2016.

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1 General Instructions

The following pages represent the Invoicing, Receipt, Acceptance and Property Transfer (iRAPT) Data Element/Segment Cross Reference for reporting information via EDI, into iRAPT, including UID information. The tables that follow present the usage of the segments and data elements arrayed in transaction set order. Only the segments that iRAPT accepts are outlined below. The information represents 856 Ship Notice/Manifest ANSI X12 transactions into iRAPT. This EDI Guide was created using the latest draft of the Implementation Conventions.

The Purpose of the 856 Receiving Report:

The 856_ReceivingReport_EnergyRR_4010).doc (Receiving Report and Energy Receiving Report) transaction should be used for transaction for original sale of items with or without UIIs, repairable items without UIIs, or reparables whose UIIs have not been loaded to the UID Registry.

If all the criteria listed below is met, use the 856 Reparables Receiving Report:

1. The receiving report represents a repair activity – the QA / Acceptance signatures are for the acceptance of the REPAIR of government property hardware.
2. The repaired hardware has been marked with Unique Item Identifiers (UIIs).
3. The UIIs on the hardware have been added to the UID Registry, and loaded with a custody record that indicates the hardware is in the custody of the Contractor.

NOTE: If using a word processor program (i.e. Microsoft Word, WordPerfect, Microsoft WordPad, Microsoft Write, etc.) to create EDI files, then the text must first be cut/copied out of the word processor program and pasted into Microsoft Notepad, or another ASCII text editor and saved in the text editor, before sending the data to iRAPT. This converts the text to text-only format and removes control characters that contain formatting information.

Sending Attachments to iRAPT:

To send attachments to iRAPT that are related to an EDI transaction via SFTP, Vendors must use the attachment code "E9" (See REF Segment at Pos. 150) to associate the attachment with the transaction.

iRAPT provides Vendors the capability to manually FTP over attachments electronically. These attachments can then be referenced and attached to inbound EDI transactions. Please contact the Help Desk for assistance in setting up a directory on the FTP server to submit attachments using this method. Once set up with a directory, Vendors will need to FTP over their file as a separate action from submitting the EDI file. The attachment needs to be present on the server at the time the inbound EDI file is processed by iRAPT.

To send attachments to iRAPT via EDI, Vendors may also use the 841 EDI Transaction Set. Vendors may not use the 841 EDI Transaction Set for anything other than sending attachments.

Please refer to the EDI_iRAPT_Guide.doc for detailed EDI enveloping instructions for attachment data as only one document (i.e. one Transaction Set) can be transmitted with one 841 in an ISA/IEA when attachment data is submitted to iRAPT.

WARNING: Invoicing, Receipt, Acceptance and Property Transfer (iRAPT) is designated for Sensitive Unclassified information ONLY. Do NOT upload classified attachments into iRAPT.

Website for detailed UID information:

<http://www.acq.osd.mil/dpap/pdi/uid/index.html>

Website for detailed RFID information:

<http://www.acq.osd.mil/log/rfid/index.htm>

Each Segment table includes the following:

- | | |
|---------------------|---|
| 1. Data Segment | X12 Segment |
| 2. Description | X12 Name |
| 3. Element | X12 Data Element Reference Number |
| 4. Format & Min/Max | Specific to iRAPT, not ANSI X12 |
| 5. Requirements | Depicts whether the Segment is:
M – Mandatory – Usage is required.
O – Optional – Can be used or not used.
C – Conditional – Contingent upon another criteria being met.
(Field is not mandatory or optional, e.g. Extension Fields to Department of Defense Activity Address Codes (DoDAAC); use if a DoDAAC is present.)_See Notes Column for specific instructions.
N/A – Not Allowed |
| 6. iRAPT Notes | Contains notations of the Field's usage or restrictions |

Fields included within iRAPT display the “Type” Field depicting the value used.

- **Nv** Numeric Field where v = number of decimal positions, decimal is implied (i.e. 300 will be read as 3.00)

- **R** Decimal number. If value includes decimal, then iRAPT requires decimal point and value be sent: iRAPT will NOT imply or assume decimal points. Examples:
 - 300 will be read into iRAPT as “300”
 - 3.00 will be read into iRAPT as “3”
 - 3.5 will be read into iRAPT at “3.5”
- **ID** Identifier
- **AN** Alphanumeric String
- **DT** Date – All Date Fields use this format: CCYYMMDD
- **TM** Time – All Time Fields use this format: HHMMSS

Notes:

- Above and below each Segment are notes pertaining to iRAPT. The values iRAPT accepts are noted in the table for each Segment. iRAPT ignores qualifier codes not identified in this guide.
- The word “must” in a Segment Note implies that the Segment is mandatory. The word “may” in a Segment Note implies that this Segment is Conditional based on the terms of the contract or the needs of the contractor.
- Address related information:
 - Address information for valid Commercial and Government Entity (CAGE) codes is downloaded from the System for Award Management (SAM) database.
 - Address information for valid DoDAAC and Military Assistance Program Address Code (MAPAC) codes is downloaded from Defense Automatic Addressing System Center (DAASC) database.
- Currency codes that allow exactly two positions to the right of the decimal may be submitted via EDI.

Currency codes that allow greater than two positions to the right of the decimal may NOT be submitted via EDI.

Currency codes that allow zero or one position to the right of the decimal may be submitted via EDI, however, the following rules will be applied:

- When the amount field is defined as a numeric field (N2), the decimal positions must be submitted with one or two zeros as needed to meet the X12 requirement that exactly two decimals are required for N2 fields.

- When the amount field is defined as a decimal number field (R) or an alpha/numeric string (AN),
 - The system will pad zeroes to right of the decimal point up to the number of digits allowed for a Currency Code.
 - The system will drop zeroes to the right of the decimal point if they exceed the number of digits allowed for a Currency Code.
 - If a non-zero number is given to the right of the maximum number of allowable decimal places as specified by the Currency Code, an error will be given.

1.1 ST Segment – Transaction Set Header, Pos. 010 – Header

NOTE: There must be one instance of this segment per transaction.

<i>Segment</i>	<i>Description</i>	<i>Element.</i>	<i>WAW Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
ST01	Transmission Set ID	143	3/3	M	856 Ship Notice Manifest.	ID
ST02	Transaction Set Control Number	329	4/9	M	Identifying Control Number assigned by the Originator.	AN

Sample:

ST^856^0012

1.2 BSN Segment – Beginning Segment for Ship Notice, Pos. 020 – Header

NOTE: There must be one instance of this segment per transaction.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
BSN01	Transaction Set Purpose Code	353	2/2	M	See list below.	ID
BSN02	Shipment Identification MOCAS and/or DCMA Administered, DSS, EBS	396	2/22 7/8	M	Shipment Number See notes below for more edits.	AN
BSN03	Date	373	8/8	M	CCYYMMDD – Transmission Date	DT
BSN04	Time	337	4/8	M	Transmission Time	TM
BSN05	Hierarchical Structure Code	1005	N/A	N/A	Not used.	N/A
BSN06	Transaction Type Code	640	2/2	M	AS Shipment Advice Contractor Receiving Report	ID
BSN07	Status Reason Code	641	3/3	O	See codes below.	ID

Samples:

BSN^00^DIS0001^20080101^1200^^AS (Shipment without a Pack Update required)

BSN^00^DIS0001Z^20080101^1200^^AS^INP (Shipment showing a Pack Later designation, RFID info cannot be provided yet)

BSN^CO^DIS0001^20080101^1200^^AS (Indicates the transaction is a correction to an original MOCAS-paid Receiving Report.)

BSN^01^DIS0001^20080101^1200^^AS (Void)

BSN^05^DIS0001^20080101^1200^^AS (Void & Replace)

BSN^21^DIS0001Z^20080101^1200^^AS^INP – Pack Later Indicator (new method)

BSN^25^DIS0001Z^20080101^1200^^AS^INP – Transportation Later Indicator

BSN^ZZ^DIS0001Z^20080101^1200^^AS^INP – Pack Later Indicator and Transportation Later Indicator

iRAPT will reject all transactions with codes other than the following:

BSN01

00 Original
Progress

CO Corrected

01 Void

05 Void & Replace

21 (Transaction On Hold) - Pack Later

25 (Incremental) - Transportation Later

ZZ (Mutually Defined) - Pack and Transportation Later

BSN06

AS Shipment Advice

BSN07

INP Incomplete – In

Notes:

- RFID information in an addendum may be sent in the 856_Pack_Update_iRAPT_4010_EDI_Detail.doc; refer to document for more information.
- Currently, vendors submit BSN01 = 00 and BSN07 = INP to submit the Pack Later indicator. If this is submitted in the future, the Pack Later Indicator will still be set. The Transportation Later indicator will not be set.

Notes on Corrections, Void, and Void & Replace:

- In order to make a correction, the original MOCAS-paid Receiving Report must be in a “Correction Required” status and must be Source Inspected/Source Accepted.
- Void , Void and Replacement will not be available for the ‘Spawned’ Property Transfer Document
- For Corrected Receiving Reports, the following “key lookup data” must be included to locate the document in the database:
 - Original Contract Number (REF Segment at Position 150 where REF01 = P1)
 - Original Delivery Order Number, if assigned to the original document (REF Segment at Position 150 where REF01 = DO)
 - Original Shipment Information (REF Segment at Position 150 where REF01 = SI)

- For Void or Void & Replace documents (when BSN01 = “01” for Void or “05” for Void & Replace , the following Key data elements cannot be changed:

Contract Number (PRF01)
Delivery Order Number (PRF02)
Shipment Number (BSN02)
Invoice Number (REF02)

iRAPT Payment System Edit Notes:

MOCAS and/or DCMA Administered, EBS

- Shipment Number in BSN02 is mandatory. Format is: 1st 3 positions alpha, 4th position is alpha/numeric, 5th - 7th positions are numeric, 8th position is only used for final shipment and is a “Z.”
- Using a “Z” as the 8th character in the BSN02 will designate final shipments and iRAPT will set the Final Shipment Indicator to “Y”.

MOCAS and/or DCMA Administered

- Prefixes ‘SER’ and ‘BVN’ are not allowed for the Shipment Number.

EBS

- Shipment Number in BSN02 is mandatory and must be 7 to 8 characters. If shipment number is 8 characters, the 8th position must be a “Z.”

DSS

- Must be 7 or 8 characters, the first 7 characters must be in the format of 3 alpha characters, an alphanumeric, then 3 numeric characters. (Sample: DCME778). The 8th position must be an alpha character.

1.3 HL Segment – Hierarchical Level, Loop ID HL, Pos. 010 – Detail

NOTES: There must be one instance of HL per HL Loop.

iRAPT only accepts one instance of the Address Loop (HL03 = V), one instance of the Shipment Loop (HL03 = S), one to 999 instances of the Line Item Loop (HL03 = I), multiple instances of the UID Loop (HL03 = D and HL03 = J), multiple instances of the Embedded UII Loop (HL03 = F and HL03 = J), multiple instances of the Product Characteristics Loop (HL03 = PH) ,multiple instances of the Pack Loop (HL03 = P) and multiple instances of the Mark Loop (HL03 = X).

UID data will be ignored when submitting an Energy Receiving Report or Energy Combo.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
HL01	Hierarchical ID Number	628	1/12	M	In the first Loop, cite number 1. Increased by one each subsequent Loop.	AN
HL02	Hierarchical Parent ID Number	734	1/12	O	For first loop, HL03=V for Address, leave blank. For second Loop, (shipment) cite the first Loop to identify the Address (HL03=S) associated with shipment. For third Loop (Item, HL03=I) and all subsequent Item Loops cite the second Loop (Shipment). Repeat Line Item Loops as necessary. Product Characteristics Loops (HL03=PH) will follow the Line Item loops that they are associated with. UID Loops (HL03=D) will follow the Line Item loops that they are associated with.	ID

					<p>Embedded UID Loops (HL03=F) will follow the Parent UID (HL03=D) that they are associated with.</p> <p>HL03 =J is for the Current Part Number. This Loop follows the associated UID (HL03=D) Loop or Embedded UID (HL03=F) for Non-GFP.</p> <p>Pack (HL03=P) will always be used as the last Loop(s) in the transaction if used.</p> <p>The HL02 outermost pack(s)' value should always be "2" to reference the Shipment Loop. All Inner packs should reference the associated outer pack level (HL01).</p> <p>Mark Loops (HL03=X) will follow the Parent UID (HL03=D) or Embedded UID (HL03 = F) that they are associated with. The Mark Loop may only be submitted as a child of the Embedded UID (HL03 = F) for Non-GFP (SLN08=O).</p>	
HL03	Hierarchical Level Code	735	1/1	M	<p>Defines characteristic of a level in a hierarchical structure. See list below.</p> <p>X – Serial Number (Indicates Mark loop)</p>	ID
HL04	Hierarchical Child Code	736	1/1	O	<p>Indicates if there are subordinate Segments to the structure. See list below.</p> <p>If HL03 = P, then HL04 is not used in iRAPT.</p>	ID

					Value will always be '0' when HL03 = X.	
--	--	--	--	--	---	--

Samples:

HL^1^^V^1 = first level, address information for entire transaction

HL^2^1^S^1 = second level, shipping information for entire transaction to Address in first level

HL^3^2^I^1 = third level, Line Item information relating to shipment sent in second level

HL^4^3^PH^0 = may be used to send Supply Chain Shipment Information related to Line Items sent in the third level.

HL^5^3^D^1 = may be used to send UID information (if contractually required) related to Line Items sent in the third level. Duplicate UIIs per document will not be allowed.

HL^6^5^J^0 = may be used to identify Current Part Number This level denotes a second level of UID relating to a previous line item.

HL^5^4^X^0=Mark Data

iRAPT Notes:

- If HL03=J is used, it will always follow the HL03=D (GFP and/or Non-GFP) or HL03=F (Non-GFP) Loops. When HL03=J is reported, the SLN segment, SLN09 will contain the code “MG” for Current Part Number and SLN10 will contain the actual Current Part Number.
 - However if HL03=F (Embedded GFP), then a Current Part Number should not be used.
 - Current Part Number cannot be used if the UID Type (SLN Segment, SLN10) is other than UID2.
 - HL^6^4^F^0: may be used to send Embedded UII Data for Non-GFP (see note above).
 - HL^7^2^P may be used for Pack (RFID) information. This level denotes Pack (RFID) information related to shipment. If HL03 = P for RFID, this segment needs to be used in conjunction with the REF segment at Pos. 150 (REF01=JH) and the SDQ segment, Pos. 290, for associated CLIN/SLIN & quantity information.
 - When multi-pack applies, use SLN08=A in the Line Item Loop (HL03=I) and identify packs, associated CLIN/SLIN, and quantities in the Pack Loop (HL03=P) and the SDQ segment.

Notes:

- IC allows for Hierarchical Level Codes (HL03) listed. iRAPT rejects transactions without Address Information (HL03=V) and Shipment information (HL03=S) and at least 1 Line Item (HL03=I).

- iRAPT rejects transactions with any codes other than those below.

iRAPT Allows The Following Codes:

HL03 - Hierarchical Level Codes

- V Address – identifies Address Loop for transaction set
- S Shipment – indicates individual Shipment Loops
- I Item – indicates individual Line Item Loops
- PH Product Characteristics – used to report Product Characteristics information to iRAPT
- D UID – Use to report UID information to iRAPT
- F Component – Used to report Embedded UII data for GFP and Non-GFP
- J Part Characteristic – use to report Current Part Number
- P Pack – Used to report Pack (RFID) information to iRAPT
- X Mark Data

HL04 - Hierarchical Child Codes – not used when HL03 = P in iRAPT

- 0 No subordinate HL Segment is in this hierarchical structure
- 1 Additional subordinate HL Data Segment in this hierarchical structure

1.4 LIN Segment– Item Identification, Pos. 020 – Detail

LOOP ID: HL

NOTES: There must be one instance of LIN per HL Loop to identify the Line Item (HL03 = I) – Up to 999 instances may be used.

iRAPT only accepts LIN in the Line Item Loop (HL03 = I).

If this segment is used to identify an ELIN associated with a CDRL, use the LIN, SN1 and REF, as noted below:

LIN01= The ELIN, LIN02= “SV” and LIN03= “CDRL”.

SN1 Segment, Pos. 030, SN102= “1” and SN103 = “EA”.

There must be two to three instances of the REF Segment:

1st REF: REF01= “E9”, REF02 = “Y”, REF03= The CDRL File Name

2nd REF: REF01= “06”, REF02= “System ID” and REF03= SYSUID

3rd REF (if used): REF01= “06”, REF02= “System ID” and REF03= SYSUID - (identifies a second unique receiving entity)

CDRLs are not allowed for One Pay or EBS.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
LIN01	Assigned Identification IAPS-E, CAPS C/W MOCAS EBS One Pay Navy ERP	350	4/6	M	This Field must contain a CLIN/SLIN/ELIN. 4 or 6 AN 4N, 4N2A, 1A3AN, “NONE” or “NONE”NN 4 N or 4 N PLUS 2 A 4 N or 4 N PLUS 2A (only CLIN/SLIN allowed) CLIN (4N), SLIN (4N + 2AN) or ELIN (1A + 3AN) If a CLIN/SLIN/ELIN is submitted in lowercase characters, then they will be converted to uppercase. The letters “I” and “O” may not be used within the Line Item Number.	AN

LIN02	Product/Service ID Qualifier EBS	235	2/2	M	<p>Please refer to the Product/Service ID Qualifier Codes table maintained under the "Lookup" tab on the iRAPT website.</p> <p>CDRL – Enter "VP" as the Product/Service ID Qualifier Code when an ELIN contains a CDRL. If another code is entered, it will be ignored and LIN02 will default to "VP". However, if the document is for Services, please enter "SV".</p> <p>Only codes FS, IB, MG, N4, UK, SW, UX, VC, and VP are allowed.</p>	ID
LIN03	Product/Service ID	234	1/48	M	<p>Product/Service ID</p> <p>If an NSN is available, use "FS" in LIN02 and the associated number in LIN03.</p> <p>If you do not have an NSN, but you have other pertinent information associated with any other codes for the shipment, enter that information (e.g. "CL" entered in LIN02) and the pertinent color/information (e.g., blue or yellow, etc.) in LIN03.</p> <p>If an NSN or other pertinent information is not associated with the shipment, use any code other than "FS" in LIN02 with the word "NONE" in LIN03.</p> <p>CDRL – Enter "CDRL" as the Product/Service ID when an ELIN contains a CDRL. If another value is entered, it will be ignored and LIN03 will default to "CDRL".</p> <p>MASL Number</p>	AN
LIN04	Product/Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN05	Product/Service ID	234	1/48	C	Product / Service ID	AN
LIN06	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN07	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN08	Product / Service ID	235	2/2	C	Product / Service ID Qualifier	ID

	Qualifier					
LIN09	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN10	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN11	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN12	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN13	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN14	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN15	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN16	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN17	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN18	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN19	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN20	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN21	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN22	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN23	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN24	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN25	Product /Service ID	234	1/48	C	Product / Service ID	AN

LIN26	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN27	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN28	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN29	Product /Service ID	234	1/48	C	Product / Service ID	AN
LIN30	Product / Service ID Qualifier	235	2/2	C	Product / Service ID Qualifier	ID
LIN31	Product /Service ID	234	1/48	C	Product / Service ID	AN

Samples:

LIN^0001^MN^789876PQR (CLIN)

LIN^0001AA^MN^9879879 (SLIN)

LIN^A001^MN^789782973 (ELIN)

LIN^B001^SV^CDRL (CDRL)

LIN^0001^ZR^(R9A)0791000EC1SAP (MASL Number)

LIN^0001^FS^SPN000000001^B8^12345678^CG^G123^CH^US^CL^BLUE^F7^DESC^FT^FED043

Notes:

- iRAPT rejects transactions without a LIN Loop and without data in LIN01.
- iRAPT rejects transactions with codes that are not listed within the Product/ Service ID Qualifier Codes table.
- iRAPT will allow up to 15 Product/Service Qualifiers and ID pairs (LIN02-LIN31). If additional information is to be provided, use the PID Segment.
- If Product/Service ID Qualifier in LIN02 is “FS”, then the Product/Service ID must be 13 numeric characters reported in LIN03.

LIN02 - Product/Service ID Qualifier

ZR MASL Number

iRAPT Payment System Edit Notes:

- If MOCAS paid or DCMA administered and supplies (N101 = “ST”) is selected, then the Product Service ID Qualifier (LIN02) “SV” is not allowed.
- For non-CDRL Line Items, if MOCAS paid or DCMA administered and services (N101 = “SV”) is selected, then the Product Service ID (LIN03) must be “SERVICES” and the Product Service ID Qualifier (LIN02) must be “SV”. For CDRL Line Items, the Product/Service ID must be "CDRL" and the Product/Service ID Qualifier must be "SV" for Services documents and "VP" for Supplies documents.
- iRAPT will allow up to 15 Product/Service Qualifiers and ID pairs (LIN02-LIN31).

1.5 SN1 Segment – Item Detail, Pos. 030 – Detail

Loop ID: Use this definition of the SLN segment for use in the Item (HL03=I) Loop ONLY.

NOTES: There must be one instance of SN1 per LIN Loop.

iRAPT only accepts SN1 in the Line Item Loop (HL03 = I) or Product Characteristics Loop (HL03 = PH).

If this segment is used in conjunction with an ELIN for a CDRL, use SN102= “1” and SN103=“EA”.

The following segments need to also be used to report CDRL information:

LIN Segment, Pos. 020, LIN01= The ELIN, LIN02= “SV” and LIN03= “CDRL”.

There must be two to three instances of the REF Segment, Pos. 150:

1st REF: REF01= “E9”, REF02 = “Y”, REF03= The CDRL File Name

2nd REF: REF01= “06”, REF02= “System ID” and REF03= SYSUID

3rd REF (if used): REF01= “06”, REF02= “System ID” and REF03= SYSUID - (identifies a second unique receiving entity)

CDRLs are not allowed for One Pay or EBS.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>WAW Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SN101	Assigned Identification	350	N/A	N/A	Not used.	N/A
SN102	Number of Units Shipped	382	1/10	M	Units Shipped (The Field size noted 1/10 is the ANSI Field size, however the iRAPT Field size is: R8.2).	R8.2
	MOCAS		1/8		No decimals allowed.	N
	IAPS-E		1/10		Allows 8 digits to the left and no more than 2 digits to the right. Decimal is not required. If there is UID information associated with the Line Item, then this Field must be a whole number.	R
	EBS		1/10		If decimals are submitted, there may be 8 to the left and 2 to the right of the decimal, or 7 to the left and 3 to the right of the decimal.	R

			1/1		<p>If DSS Ship To, Quantity must be a whole number with maximum field size of 10.</p> <p>CDRL – Enter "1" as the Quantity when an ELIN contains a CDRL. If another value is entered, it will be ignored and SN102 will default to "1".</p>	
SN103	Unit or Basis of Measurement Code	355	2/2	M	<p>Refer to Unit of Measure Table – see notes below</p> <p>When a MOCAS DoDAAC is used and "LO" (lot) code is used as the Unit of Measure and zero is reported for Quantity Shipped, the total for the Line Item will be computed to be the Unit Price amount.</p> <p>Please refer to the iRAPT Website: FTP/EDI Guides & Other Supporting Documents to view the Unit of Measure table.</p> <p>CDRL – Enter "EA" as the Unit of Measure when an ELIN contains a CDRL. If another value is entered, it will be ignored and SN103 will default to "EA".</p> <p>However, if the document is for services (N1, N101=SV) and MOCAS/DCMA Administered, then enter "LO" for Unit of Measure. If another value is entered in this case, iRAPT will reject.</p>	ID
SN104	Quantity Shipped to Date	646	N/A	N/A	Not used.	N/A
SN105	Quantity Ordered	350	1/8	C	<p>SN105 is only used for Zero Lot documents paid by MOCAS, when the Quantity Shipped in SN102 is zero (0) and Unit of Measure code (LO) is reported in SN103.</p> <p>The Actual Quantity is required when the Line Item is for Zero Lot and MILSTRIP, and/or UID, and/or Pack Data and/or</p>	R

					<p>Pack Data Later Indicator (where BSN07=INP) are included in the transaction. The Actual Quantity must balance to the quantity of MILSTRIPs, UIDs, and Pack Data Quantity for Zero Lot documents.</p> <p>The Actual Quantity may not be negative. If the Ship To is DSS, for all workflows except Source/Source, the Actual Quantity Field must be greater than zero "0" for Zero Lot documents.</p> <p>Therefore, to report the Quantity of Zero Lot MOCAS Line items, enter the actual quantity of the Line item in SN105 followed by the Unit of Measure Code in SN106.</p>	
SN106	Unit or Basis of Measurement Code	355	2/2	C	<p>If SN105 is used, then SN106 is required. Use only when SN105 is used for MOCAS. Use the same Unit of Measurement Code reported in SN103 in SN106. iRAPT will ignore.</p>	ID

Samples:

SN1^500^EA

SN1^0^LO^25^LO (For MOCAS only Zero Lot documents)

SN1^1^EA (For CDRL)

Notes:

- SN101 will always be blank for iRAPT.
- iRAPT rejects transactions without SN1 Segment.
- SN103: Refer to ANSI X12 List of Allowed Codes for DE 355, Unit of Measure. Any valid Unit of Measure Code may be used. Refer to iRAPT Website: Click Units of Measure Table for a list of codes. Unit of Measure Codes must be capitalized.
- The Actual Quantity (SN105) must balance to the quantity of MILSTRIPs, UIDs and Pack Data quantity for Zero Lot. The Actual Quantity cannot be negative and if no Quantity is sent, then it should be Zero or Blank.

1.6 SN1 Segment – Item Detail, Pos. 030 – Detail

Loop ID: Use this definition of the SLN segment for use in the Product Characteristics (HL03=PH) Loop ONLY.

NOTES: There must be one instance of SLN per Product Characteristics Loop, (where HL03 = I).

iRAPT only accepts SN1 in the Line Item Loop (HL03 = I) or Product Characteristics Loop (HL03 = PH).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>WAW Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SN101	Assigned Identification	350	N/A	N/A	Not used.	N/A
SN102	Number of Units Shipped	382	1/10	M	Quantity for this Lot Number, Manufacturer, and Expiration Date	R8.2
SN103	Unit or Basis of Measurement Code	355	2/2	M	Refer to Unit of Measure Table – Enter the Unit of measure for the parent line item.	ID

Samples:

SN1^^500^EA

Notes:

- SN101 will always be blank for iRAPT.
- SN103: Refer to ANSI X12 List of Allowed Codes for DE 355, Unit of Measure. Any valid Unit of Measure Code may be used. Refer to iRAPT Website: Click Units of Measure Table for a list of codes. Unit of Measure Codes must be capitalized.

1.7 SLN Segment – Subline Item Detail, Pos 040 – Detail**Loop ID: Use this definition of the SLN segment for use in the Item (HL03=I) Loop ONLY.****NOTES:** There may be one instance of SLN per LIN Loop to specify Subline Item detail, (where HL03 = I).

This segment may be used in the HL03=I, D, J or F loops.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SLN01	Assigned Identification	350	1/1	M	iRAPT only accepts "1."	AN
SLN02	Assigned Identification	350	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	iRAPT only accepts "O" – Information Only.	ID
SLN04	Quantity	380	N/A	N/A	Not used.	N/A
SLN05	Unit or Basis of Measurement Code	355	N/A	N/A	Not used.	N/A

SLN06	Unit Price	212	1/16	C	<p>Unit Price Unit price is not necessary in the Item loop when no UID information is reported.</p> <p>Unit price is mandatory and must be greater than zero when UID information (HL03 = D) is associated with the Item Loop.</p> <p>Enter "0" in SLN06 if SLN07 = NS</p> <p>When creating an FMS Receiving Report and REF02="2E" and where NSP indicator is set to "N", the entry of the Unit Price is mandatory and must be greater than zero. When the NSP indicator is set to "Y", the Unit Price must be zero.</p>	R9.6
	MOCAS, One Pay		1/15			R9.5
	EBS		1/15			R9.6
SLN07	Basis of Unit Price Code	639	2/2	C	Enter "NS" for Not Separately Priced.	ID
SLN08	Relationship Code	662	1/1	O	<p>Enter "A" for Multi-Box Pack Indicator</p> <p>If an "A" is entered in SLN08, the Multi-Box Pack Indicator will be set to "Y" for yes. If an "A" is not submitted in SLN08, the indicator will be set to the default value of "N" for no.</p> <p>Associated CLIN/SLIN and quantities should be identified in the SDQ segment in the Pack Loop (HL03=P).</p>	ID

Samples:Basic Item-level SLN segment:

SLN^1^^O^^^100000

For Not Separately Priced

SLN^1^^O^^^0^NS

For Multi-box Pack

SLN^1^^O^^^0.03325^^A

For Not Separately Priced AND Multi-box Pack

SLN^1^^O^^^0^NS^A

iRAPT Payment System Edit Notes:

- MOCAS, EBS, One Pay – Unit Price, SLN06 can contain a numeric value (0-9) with up to 9 digits to the left and no more than 5 digits to the right of the decimal. Unit Price is optional for Receiving Reports.
- CAPS-C/W, IAPS-E – Unit Price, SLN06 can contain a numeric value (0-9) with up to 9 digits to the left and no more than 6 digits to the right of the decimal. Unit Price is optional for Receiving Reports.

1.8 SLN Segment – Subline Item Detail, Pos 040 – Detail

Loop ID: Use this definition of the SLN segment in the UID (HL03=D) Loop ONLY.

NOTES: There may be one instance of SLN per transaction.

The SLN Segment must be used to report UID header information in the UID Loop (HL03=D).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SLN01	Assigned Identification	350	1/1	M	iRAPT only accepts "1."	AN
SLN02	Assigned Identification	350	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	iRAPT only accepts "O" – Information Only.	ID
SLN04	Quantity	380	1/1	M	iRAPT only accepts "1" for this iteration of the SLN loop. SLN04, SLN05 and SLN06 are mandatory when HL03 = D.	R
SLN05	Unit or Basis of Measurement Code	330	2/2	M	For UID, iRAPT will ignore. SLN04, SLN05 and SLN06 are mandatory when the SLN Segment is used when HL03=D.	ID
SLN06	Unit Price	212	1/16	M	For UID, iRAPT will ignore. SLN04, SLN05 and SLN06 are mandatory when HL03=D.	R9.6
SLN07	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A
SLN08	Relationship Code	662	N/A	N/A	Not used.	N/A
SLN09	Product/Service ID Qualifier	235	2/2	M	Enter KF to identify the UID Type. Use subsequent pairs (examples below, in the order shown in this guide).	ID

SLN10	Product/Service ID	234	3/4	M	<p>UID - Enter UID Type: UID1, UID2, ESN, GIAI, GRAI, VIN</p> <p>UID1 (Unique ID Construct 1,Serialization within the Enterprise)</p> <p>UID2 (Unique ID Construct 2, Serialization within the Original Part Number)</p> <p>ESN (Telecomm. Industry Assoc. Electronic Serial Number) for cellular telephones only.</p> <p>GIAI (Global Item Asset Identification)</p> <p>GRAI (Global Returnable Asset Identifier)</p> <p>VIN (Vehicle Identification Number)</p> <p>Follow rules below for UID type entered:</p> <p>If UID1 is entered, then the UID Construct 1 format must be followed. This format requires an EID and IAC be entered in the SLN Segment. The Serial Number in the REF Segment, Pos. 150 (REF02) and the UID (REF03) is also required.</p> <p>If UID2 is entered, then the UID Construct 2 format must be followed. This format requires that an EID, Original Part Number or Batch/Lot Number and IAC be entered in the SLN Segment. The Serial Number in the REF Segment, Pos. 150 (REF02) and the UID (REF03) is also required.</p> <p>If ESN, GIAI, GRAI or VIN is entered, then EID and IAC are optional in the SLN Segment. However, the UID in the REF Segment, Pos. 150, (REF03) is required.</p>	AN
SLN11	Product/Service ID Qualifier	235	2/2	O	<p>Enter MF for Enterprise Identifier (EID)</p> <p>If UID Type (SLN10) is UID1 or UID2, then Qualifier Code of MF is required.</p>	ID

SLN12	Product/Service ID	234	4/9	O	<p>Enter Enterprise Identifier (EID)</p> <p>EID is required if UID Type (SLN10) is UID1 or UID2</p> <p>EID must be 5 characters if IAC (SLN16) is "D", denoting CAGE Code.</p> <p>EID must be 6 characters if IAC (SLN16) is "LD" denoting a DoDAAC.</p> <p>EID must be 9 characters if IAC (SLN16) is "UN" denoting DUNS number.</p> <p>EID must be 4 characters, with first character a letter and remaining 3 characters alphanumeric, if IAC (SLN16) is "LH" denoting EHIBCC Numbers.</p> <p>If the EID contains special characters, then the document will be rejected.</p>	AN
SLN13	Product/Service ID Qualifier	235	2/2	C	<p>Enter MG for Original Part Number</p> <p>If UID Type (SLN10) is UID2 then the Qualifier Code of MG is required only if Batch/Lot was not reported in SLN17 and SLN18.</p>	ID
SLN14	Product/Service ID	234	1/32	C	<p>Enter Original Part Number</p> <p>If UID Type (SLN10) is UID2, then the Original Part Number is required only if Batch/Lot was not reported in SLN17 and SLN18.</p> <p>No special characters, except for dashes (-) and forward slashes (/), are allowed for Original Part Number. If received, then the document will be rejected.</p>	AN
SLN15	Product/Service ID Qualifier	235	2/2	C	<p>Enter XZ for Issuing Agency Code (IAC)</p> <p>IAC Qualifier Code of XZ is required if UID Type (SLN10) is UID1 or UID2.</p>	ID

SLN16	Product/Service ID	234	1/2	C	Enter IAC for Issuing Agency Code. If UID Type (SLN10) is UID1 or UID2 then IAC is required. D: CAGE LD: DoDAAC LB: ANSI T1.220 UN: DUNS LH: EHIBCC Numbers 0-9 (single digits, 10 different codes, EAN.UCC Company Prefix).	AN
SLN17	Product/Service ID Qualifier	235	2/2	C	Enter B8 for Batch/Lot Number. For iRAPT, the Batch/Lot number can only be reported in the SLN Segment, (SLN17 and SLN18). If B8 is entered in SLN17, then the Batch/Lot Number must be reported in SLN18.	ID
SLN18	Product/Service ID	234	1/20	C	Enter Batch/Lot Number. No special characters, except for dashes (-) and forward slashes (/), are allowed for Batch/Lot number.	AN
SLN19	Product/Service ID Qualifier	235	2/2	C	Enter "VU" for Manufacturer's ID. If SLN19 is entered then SLN20, SLN21 and SLN22 are mandatory to completely report Manufacturer's ID information.	ID
SLN20	Product/Service ID	234	5/9	C	Enter CAGE, DoDAAC, DUNS.	AN
SLN21	Product/Service ID Qualifier	235	2/2	C	Enter "DS" for Manufacturer's Code.	ID

SLN22	Product/Service ID	234	1/3	C	<p>Enter IAC – Issuing Agency Code for the Manufacturer’s Code (SLN20).</p> <p>If UID Type (SLN10) is UID1 or UID2 then this IAC is required.</p> <p>D: CAGE LD: DoDAAC LB: ANSI T1.220 UN: DUNS LH: EHIBCC Numbers</p> <p>0-9 (single digits, 10 different codes, EAN.UCC Company Prefix)</p> <p>If SLN19 and SLN20 are entered, then SLN21 and SLN22 must be entered as well.</p>	AN
SLN23	Product/Service ID Qualifier	235	2/2	C	<p>Enter “BZ” for Warranty Indicator Qualifier.</p> <p>If warranty status is not known, SLN23 and SLN24 should not be used.</p>	AN
SLN24	Product/Service ID	234	0/1	C	<p>Warranty Indicator Value</p> <p>Valid values are “Y” or “N”.</p> <p>If warranty status is not known, SLN23 and SLN24 should not be used.</p>	AN

Samples:

If using UID Construct 1 with a CAGE Code:

SLN^1^^O^1^EA^1^^KF^UID1^MF^06481^^XZ^D
REF^U3^0001^D064810001

If using UID Construct 2 with a DoDAAC:

SLN^1^^O^1^EA^1^^KF^UID2^MF^FU4417^MG^PARTNUM001^XZ^LD
REF^U3^0001^LDFU4417PARTNUM0010001

SLN^1^^O^1^EA^1^^KF^UID2^MF^FU4417^MG^PARTNUM001^XZ^LD^B8^BATCH3L
OT2
REF^U3^0001^LDFU4417BATCH3LOT20001

If using a UID Type other than Construct 1 or Construct 2:

SLN^1^^O^1^EA^1^^KF^GRAI
REF^U3^^095512345600198

SLN^1^^O^1^EA^1^^KF^GIAI
REF^U3^^9DFU4417001B

SLN^1^^O^1^EA^1^^KF^ESN
REF^U3^^F962540A

SLN^1^^O^1^EA^1^^KF^VIN
REF^U3^^JT8BH28F9W0219216

SLN Segment submitted with Manufacturer ID and code, and Warranty Indicator:

HL^3^2^I^1
LIN^0001^MG^productserviceid1
<line item data>
HL^4^3^D^0
SLN^1^^O^1^EA^19.45^^KF^UID1^MF^06481^MG^OPN1^XZ^D^^^^VU^26512^DS^D^
BZ^Y
REF^U3^TB1/0111^D06481OPN1TB1/0111
REF^U3^TB1/0112^ D06481OPN1TB1/0112
HL^5^2^I^1
LIN^0002^MG^PRODUCTSERVICEID2
<line item data>
HL^6^5^D^0
SLN^1^^O^1^EA^13.12^^KF^UID1^MF^06481^MG^OPN-2^XZ^D^ ^
^VU^26512^DS^D^**BZ^N**
REF^U3^TB1/0111^D06481OPN-2TB1/0111
REF^U3^TB1/0112^ D06481OPN-2TB1/0112

Notes:

- iRAPT requires that the SLN09 through SLN24 follow the format in this guide.
- Document will be rejected if the Enterprise ID contains special characters. No special characters, except for dashes (-) and forward slashes (/) are allowed for the Original Part Number and Serial Number. If received, the document will be rejected.
- If MOCAS paid or DCMA administered and services (N101 = “SV”) is selected, then UID data is not used.

1.9 SLN Segment – Subline Item Detail, Pos 040 – Detail

Loop ID: Use this definition of the SLN segment in the Embedded UID (HL03=F) Loop ONLY.

NOTES: There may be one instance of the SLN Segment per transaction.

The SLN Segment may be used to report Embedded UII Classification Data for Non-GFP (SLN08=O). For GFP (SLN08=I), use SLN01 through SLN08 only. A maximum of 100 Embedded UIIs per Parent UII are allowed.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SLN01	Assigned Identification	350	1/1	M	iRAPT only accepts "1".	AN
SLN02	Assigned Identification	350	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	iRAPT only accepts "O" – Information Only.	ID
SLN04	Quantity	380	1/1	M	iRAPT only accepts "1" for this iteration of the SLN loop. SLN04, SLN05 and SLN06 are mandatory when HL03=F.	R
SLN05	Unit or Basis of Measurement Code	355	2/2	M	For UID, iRAPT will ignore. SLN04, SLN05 and SLN06 are mandatory when HL03=F.	ID
SLN06	Unit Price	212	1/16	M	If Unit price is reported when HL03 = F, iRAPT will ignore. SLN04, SLN05 and SLN06 are mandatory when HL03=F.	R9.6
SLN07	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A
SLN08	Relationship Code	662	1/1	O	Use "I" or "O" for the GFP Indicator. If "I" is entered, the GFP Indicator will be set to "Y"; if "O" is entered, the GFP Indicator will be set to "N".	ID

SLN09	Product/Service ID Qualifier	235	2/2	C	<p>Enter KF to identify the UID Type.</p> <p>Use subsequent pairs (examples below, in the order shown in this guide).</p> <p>SLN09/SLN10 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	ID
SLN10	Product/Service ID	234	3/4	C	<p>Enter UID Type:</p> <p>UID1, UID2, ESN, GIAI, GRAI, VIN</p> <p>UID1 (Unique ID Construct 1,Serialization within the Enterprise)</p> <p>UID2 (Unique ID Construct 2, Serialization within the Original Part Number)</p> <p>ESN (Telecomm. Industry Assoc. Electronic Serial Number) for cellular telephones only.</p> <p>GIAI (Global Item Asset Identification)</p> <p>GRAI (Global Returnable Asset Identifier)</p> <p>VIN (Vehicle Identification Number)</p> <p>Follow rules below for UID type entered:</p> <p>If UID1 is entered, then the UID Construct1 format must be followed. This format requires an EID and IAC be entered in the SLN Segment. The Serial Number in the REF Segment, Pos. 150 (REF02) and the UID (REF03) is also required.</p> <p>If UID2 is entered, then the UID Construct 2 format must be followed. This format requires that an EID, Original Part Number or Batch/Lot Number and IAC be entered in the SLN Segment. The Serial Number in the REF Segment, Pos. 150 (REF02) and the UID (REF03) is also required.</p> <p>If ESN, GIAI, GRAI or VIN is entered, then EID and IAC are optional in the SLN Segment. However, the UID in the REF Segment, Pos. 150, (REF03) is required.</p>	AN

					SLN09/SLN10 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.	
SLN11	Product/Service ID Qualifier	235	2/2	O	<p>Enter MF for Enterprise Identifier (EID)</p> <p>If UID Type (SLN10) is UID1 or UID2, then Qualifier Code of MF is required.</p> <p>SLN11/SLN12 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	ID
SLN12	Product/Service ID	234	4/9	O	<p>Enter Enterprise Identifier (EID)</p> <p>EID is required if UID Type (SLN10) is UID1 or UID2</p> <p>EID must be 5 characters if IAC (SLN16) is "D", denoting CAGE Code.</p> <p>EID must be 6 characters if IAC (SLN16) is "LD" denoting a DoDAAC.</p> <p>EID must be 9 characters if IAC (SLN16) is "UN" denoting DUNS number.</p> <p>EID must be 4 characters, with first character a letter and remaining 3 characters alphanumeric, if IAC (SLN16) is "LH" denoting EHIBCC Numbers.</p> <p>If the EID contains special characters, then the document will be rejected.</p> <p>SLN11/SLN12 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	AN

SLN13	Product/Service ID Qualifier	235	2/2	C	<p>Enter MG for Original Part Number</p> <p>If UID Type (SLN10) is UID2 then the Qualifier Code of MG is required only if Batch/Lot was not reported in SLN17 and SLN18.</p> <p>SLN13/SLN14 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	ID
SLN14	Product/Service ID	234	1/32	C	<p>Enter Original Part Number</p> <p>If UID Type (SLN10) is UID2, then the Original Part Number is required only if Batch/Lot was not reported in SLN17 and SLN18.</p> <p>Enter Part Number even if not used in Ull creation.</p> <p>No special characters, except for dashes (-) and forward slashes (/), are allowed for Original Part Number. If received, then the document will be rejected.</p> <p>SLN13/SLN14 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	AN
SLN15	Product/Service ID Qualifier	235	2/2	C	<p>Enter XZ for Issuing Agency Code (IAC)</p> <p>IAC Qualifier Code of XZ is required if UID Type (SLN10) is UID1 or UID2.</p> <p>SLN15/SLN16 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	ID

SLN16	Product/Service ID	234	1/3	C	<p>Enter IAC</p> <p>If UID Type (SLN10) is UID1 or UID2 then IAC is required.</p> <p>D: CAGE</p> <p>LD: DoDAAC</p> <p>LB: ANSI T1.220</p> <p>UN: DUNS</p> <p>LH: EHIBCC Numbers</p> <p>0-9 (single digits, 10 different codes, EAN.UCC Company Prefix)</p> <p>SLN15/SLN16 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	AN
SLN17	Product/Service ID Qualifier	235	2/2	C	<p>Enter B8 for Batch/Lot Number.</p> <p>For iRAPT, the Batch/Lot number can only be reported in the SLN Segment, (SLN17 and SLN18).</p> <p>If B8 is entered in SLN17, then the Batch/Lot Number must be reported in SLN18.</p> <p>SLN17/SLN18 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	ID
SLN18	Product/Service ID	234	1/20	C	<p>Enter Batch/Lot Number.</p> <p>No special characters, except for dashes (-) and forward slashes (/) are allowed for Batch/Lot number.</p> <p>SLN17/SLN18 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	AN
SLN19	Product/Service ID Qualifier	235	2/2	O	<p>Enter "VU" for Manufacturer's ID.</p> <p>If SLN19 is entered then SLN20, SLN21 and SLN22 are mandatory to completely report Manufacturer's ID information.</p> <p>SLN19/SLN20 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p>	ID

SLN20	Product/Service ID	234	5/9	O	Enter CAGE, DoDAAC, DUNS. SLN19/SLN20 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.	AN
SLN21	Product/Service ID Qualifier	235	2/2	C	Enter "DS" for Manufacturer's Code. SLN21/SLN22 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.	ID
SLN22	Product/Service ID	234	1/3	C	Enter IAC – Issuing Agency Code for the Manufacturer's Code (SLN20). Enter IAC. If UID Type (SLN10) is UID1 or UID2 then IAC is required. D: CAGE LD: DoDAAC LB: ANSI T1.220 UN: DUNS LH: EHIBCC Numbers 0-9 (single digits, 10 different codes, EAN.UCC Company Prefix) If SLN19/SLN20 are entered, then SLN21 and SLN22 must be entered as well. SLN21/SLN22 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.	AN
SLN23	Product/Service ID Qualifier	235	2/2	O	Use "BZ for Warranty Indicator Qualifier". SLN23/SLN24 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator. If warranty information is not known, SLN23/24 should not be used.	AN

SLN24	Product/Service ID	234	0/1	O	<p>Warranty Indicator</p> <p>Valid values are "Y" or "N".</p> <p>SLN23/SLN24 are used when SLN08 = "O" for Non-GFP and not used when SLN08 = "I" for GFP indicator.</p> <p>If warranty information is not known, SLN23/24 should not be used.</p>	AN
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Samples:

When HL03 = F:

GFP:

SLN^1^^O^1^EA^0^I

Non-GFP:

SLN^1^^O^1^EA^0^O^KF^UID2^MF^26512^^XZ^D^B8^BATCH/LOT^^^^BZ^N

or

SLN^1^^O^1^EA^0^O^KF^UID2^MF^26512^MG^ORIGINALPARTNU^XZ^D^^^^^^BZ^N

Fields allowed when Embedded UII Classification for Non-GFP

UID Type	SLN10 with HL03 = F, SLN09 = KF
Enterprise Identifier	SLN12 with HL03 = F, SLN11 = MF
Original Part Number	SLN14 with HL03 = F, SLN13 = MG
Issuing Agency Code	SLN16 with HL03 = F, SLN15 = XZ
Lot / Batch Number	SLN18 with HL03 = F, SLN17 = B8
Original Manufacturer ID	SLN20 with HL03 = F, SLN19 = VU
Original Manufacturer Code	SLN22 with HL03 = F, SLN21 = DS
Warranty Indicator	SLN24 with HL03 = F, SLN23 = BZ
Embedded Item Description	PID05 with HL03 = F, PID01 = F
Serial Number	REF02 with HL03 = F, REF01 = U3
UID Number	REF03 with HL03 = F, REF01 = U3
Current Part Number	SLN10 with HL03 = J, SLN09 = MG

For Non-GFP Embedded items with UIIs: iRAPT will ONLY capture Current Part Number when the UID Type is UID2 (SLN09=KF and SLN10=UID2 when HL03 = F) and where the UID is based on the Original Part Number, not the Lot or Batch number.

The J loop is only used when SLN09=KF and SLN10=UID 2 and Original Part Number (SLN13/SLN14) was used in establishing the UID.

The J loop cannot be used if the Batch/Lot (SLN17/SLN18) were used in establishing the UID. Hence, in this case, the DTM01=007 and the DTM02 would not be used when HL03=F.

Fields allowed when Embedded UII Classification for GFP

UID Number	REF03 with HL03=F, REF01 = U3
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Note:

For Embedded UIIs, when the UID Type is UID2, then either Original Part Number **or** Batch/Lot can be used, but **not** both. The document will be rejected if both are given for UID Type 'UID2'.

1.10 SLN Segment – Subline Item Detail, Pos 040 – Detail

Loop ID: Use this definition of the SLN segment in the Part Characteristic (HL03=J) Loop ONLY.

NOTES: An HL03=J may only follow an HL03=D or HL03=F.

When HL03=J follows an HL03=D, iRAPT requires SLN04, SLN05 and SLN06 to be entered.

When HL03=J follows an HL03=F, then SLN04, SLN05 and SLN06 may be blank and if entered, will be ignored. However, all 3 Fields must be entered if one is entered (SLN04, SLN05 and SLN06).

HL03=J following an HL03=F is only used for Non-GFP Embedded UIDs when the UID Type is UID2 (SLN09=KF and SLN10=UID2) and an Original Part Number (SLN13=MG and SLN14=Original Part Number) is given in the HL03=D loop.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SLN01	Assigned Identification	350	1/1	M	iRAPT only accepts "1."	AN
SLN02	Assigned Identification	350	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	iRAPT only accepts "O" – Information Only.	ID
SLN04	Quantity	380	1/1	C	<p>iRAPT only accepts "1."</p> <p>When HL03=J follows an HL03=D, iRAPT requires SLN04, SLN05 and SLN06 to be entered.</p> <p>When HL03=J follows an HL03=F, then SLN04, SLN05 and SLN06 may be blank and if entered, will be ignored. However, all 3 Fields must be entered if one is entered (SLN04, SLN05 and SLN06).</p> <p>HL03=J following an HL03=F is <u>only used</u> for Non-GFP Embedded UIDs when the UID Type is UID2 (SLN09=KF and SLN10=UID2) and an Original Part Number (SLN13=MG and</p>	R

					<p>SLN14=Original Part Number) is given in the HL03=D loop.</p> <p>If either SLN04 or SLN05 is entered, then the other is required.</p>	
SLN05	Unit or Basis of Measurement Code	355	2/2	C	<p>iRAPT will ignore.</p> <p>If either SLN04 or SLN05 is entered, then the other is required.</p>	ID
SLN06	Unit Price	212	1/16	C	<p>Unit Price</p> <p>If HL03 = J (following an HL03 = D), then you must enter SLN04 and SLN05. You must also enter "MG" in SLN09 and Current Part Number in SLN10.</p> <p>If HL03=J, (following an HL03=F), iRAPT will ignore. If entered SLN04, SLN05 and SLN06 are required.</p>	R9.6
	MOCAS, One Pay		1/15	O		R9.5
	EBS				<p>Contractors may, at their option, enter Unit Prices on any Material Inspection and Receiving Report (MIRR) copy, except, as a minimum:</p> <p>For documentation of tangible items with Unique Identification (UID), the contractor shall enter the acquisition cost for each Contract Line, subline, or Exhibit Line Item with UID. Acquisition cost is defined as:</p> <p>(1) For fixed-price type line, subline, or Exhibit Line Items, the Unit Price identified in the contract at the time of delivery.</p> <p>(2) For cost type line, subline, or Exhibit Line Items, the contractor's estimated fully burdened Unit Cost to the Government for each item at the time of delivery.</p>	R9.6
SLN07	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A

SLN08	Relationship Code	662	N/A	N/A	Not used.	N/A
SLN09	Product/Service ID Qualifier	235	2/2	M	Enter "MG" in SLN09 for Current Part Number and actual Current Part Number in SLN10. If SLN09 = MG, then SLN10 is mandatory.	ID
SLN10	Product/Service ID	234	1/32	M	Enter Current Part Number in SLN10. If MG is reported in SLN09, then SLN10 is mandatory. No special characters, except for dashes (-) and forward slashes (/) are allowed for Current Part Number. If received, then the document will be rejected.	AN

Samples:

SLN^1^^O^1^EA^525.99^^^MG^CURRENTPARTNUMBER

SLN^1^^O^^^10

Samples for UID:

If using UID Construct 1 with a CAGE Code:

SLN^1^^O^1^EA^1^^^KF^UID1^MF^06481^^^XZ^D
REF^U3^0001^D064810001

If using UID Construct 2 with a DoDAAC:

SLN^1^^O^1^EA^1^^^KF^UID2^MF^FU4417^MG^PARTNUM001^XZ^LD
REF^U3^0001^LDFU4417PARTNUM0010001

SLN^1^^O^1^EA^1^^^KF^UID2^MF^FU4417^MG^PARTNUM001^XZ^LD^B8^LOT2BAT
CH3
REF^U3^0001^LDFU4417LOT2BATCH30001

Note: For Parent UID and Non-GFP Embedded UII – Current Part Number cannot be used if UID Type is other than UID2.

If using a UID Type other than Construct 1 or Construct 2:

SLN^1^^O^1^EA^1^^^KF^GRAI
REF^U3^^095512345600198

SLN^1^^O^1^EA^1^^^KF^GIAI

REF^U3^^9DFU4417001B

SLN^1^^O^1^EA^1^^^KF^ESN

REF^U3^^F962540A

SLN^1^^O^1^EA^1^^^KF^VIN

REF^U3^^JT8BH28F9W0219216

SLN Segment submitted with Warranty Indicator:

HL^3^2^I^1

LIN^0001^MG^productserviceid1

...

HL^4^3^D^0

SLN^1^^O^1^^19.45^^^KF^UID1^MF^06481^MG^OPN1^XZ^D^B8^BL1^VU^26512^DS^D
^BZ^Y

REF^U3^SERNUM1^0UIDNUM1

REF^U3^SERNUM2^0UIDNUM2

HL^5^2^I^1

LIN^0002^MG^PRODUCTSERVICEID2

...

HL^6^5^D^0

SLN^1^^O^1^^13.12^^^KF^UID1^MF^06481^MG^OPN2^XZ^D^B8^BL2^VU^26512^DS^D
^BZ^N

REF^U3^SERNUM3^0UIDNUM3

REF^U3^SERNUM4^0UIDNUM4

When HL03 = I:

For Not Separately Priced

SLN^1^^O^4^EA^0^NS

For Multi-box Pack

SLN^1^^O^1^EA^5.00^^A

For Not Separately Priced AND Multi-box Pack

SLN^1^^O^^0^NS^A

When HL03 = J:

SLN^^^^^^525.99^^^MG^CURRENTPARTNUMBER

SLN^^^^^^^^^^MG^CURRENTPARTNUMBER (Sample for Embedded Non-GFP)

iRAPT Payment System Edit Notes:

- MOCAS, EBS, One Pay – Unit Price, SLN06 can contain a numeric value (0-9) with up to 9 digits to the left and no more than 5 digits to the right of the decimal. Unit Price is optional for Receiving Reports.
- CAPS-C/W, IAPS-E – Unit Price, SLN06 can contain a numeric value (0-9) with up to 9 digits to the left and no more than 6 digits to the right of the decimal. Unit Price is optional for Receiving Reports.
- iRAPT requires that the SLN09 through SLN22 follow the format in this guide.
- Document will be rejected if the Enterprise ID contains special characters. No special characters, except for dashes (-) and forward slashes (/) are allowed for the Original Part Number and Serial Number. If received, the document will be rejected.
- If MOCAS paid or DCMA administered and services (N101 = “SV”) is selected, then UID data is not used.

Notes:

- The J loop is only used when SLN09=KF and SLN10=UID 2 and Original Part Number (SLN13/SLN14) was used in establishing the UID.
- The J loop cannot be used if the Lot/Batch (SLN17/SLN18) were used in establishing the UID. Hence, in this case, the DTM01=007 and the DTM02 would not be used when HL03=F.

1.11 PRF Segment – Purchase Order Reference, Pos. 050 – Detail

NOTES: There must be one instance of PRF for each transaction.

iRAPT only accepts PRF in the Shipment Loop (HL03 = S).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
PRF01	Purchase Order Number	324	1/19	M	Purchase Order Number or Contract Number. No special characters allowed.	AN
	DSS		13/13	M	DSS Must be 13 alphanumeric characters with no spaces, 7 th and 8 th position must be numeric, 9 th position must be an alpha character. If the letters “A,” “D,” or “G” are entered in the 9 th position, a Delivery Order Number in Field 2 is required. The letters “O” and “I” may not be used within the Contract Number.	
	DOD Contract (FAR)		13/13	M	If Contract Number Type is “DOD Contract (FAR),” please see notes below for Contract Number Edits.	
	Uniform PIID (FAR 4.16)		13/17		If Contract Number Type is “Uniform PIID (FAR 4.16),” please see notes below for Contract Number Edits. Enter GSA Contract Number in the PRF06 Segment: Reference Procurement Instrument Number.	
PRF02	Release Number	328	0/19	C	Delivery Order, Call, or Release Number. No special characters.	AN

	DoD Contract (FAR)		0/13		When the selected Contract Number Type is "DoD Contract (FAR)," please see notes below for Delivery Order Edits.	
	Uniform PIID (FAR 4.16)		13/17		When the selected Contract Number Type is "Uniform PIID (FAR 4.16)," please see notes below for Delivery Order Edits.	
PRF03	Change Order Sequence Number	327	N/A	N/A	Not used.	N/A
PRF04	Date	373	8/8	O	CCYYMMDD – CO/DO Issue Date	DT
PRF05	Assigned Identification	350	N/A	N/A	Not used.	N/A
PRF06	Contract Number	367	1/19	O	Reference Procurement Instrument Number	AN

Samples:

PRF^DCA10008D0050^0040^^20080923 (Contract & Delivery Order Number)

PRF^N0038308C5544^^^20081123 (Contract Number Only)

PRF^N0045810M0225^0040^^20080923^^GSA02F0013P (Contract Number & GSA)

PRF01 and PRF02 Contract Number and Delivery Order Edits

Contract Type is "DoD Contract (FAR)"; Fiscal Year 17 and later

Contract Number Edits:

- No special characters allowed.
- Must be 13 characters in length.
- Contract cannot contain "O" or "I" at any position.
- First 6 positions must be a valid government DoDAAC.
- Positions 7 and 8 (FY parameter) must be numeric and greater than or equal to 17 and less than 66.
- Position 9 must be alpha.
- Position 9 may not be: B, E, I, J, O, Q, R, U, W, X, Y, or Z.
- Position 10 through 13 in the Contract Number may not be "0000."

Delivery Order Number Edits:

- No special characters allowed.
- Must be 13 characters in length.
- Delivery Order Number may not contain "O" or "I" at any position.
- First 6 positions must be valid government DoDAAC.
- Positions 7 and 8 (FY parameter) must be numeric and 17 or greater and less than 66.
- Position 9 must be F.
- Position 10 through 13 in the Delivery Order Number may not be "0000" (all zeroes).
- Delivery Order is prohibited when the 9th position of the Contract Number is C, F, H, M, P, or V.
- For Acquisition, Delivery Order is required when the 9th position of the Contract Number is A, D, or G.

Contract Type is "DoD Contract (FAR)"; Fiscal Year 16 and prior**Contract Number Edits:**

- No special characters allowed.
- Must be 13 characters in length.
- Contract cannot contain "O" or "I" at any position.
- First 6 positions must be a valid government DoDAAC.
- Positions 7 and 8 (FY parameter) must be numeric and less than 17 or greater than 65.
- Position 9 must be alpha.
- Position 9 cannot be - B, E, I, J, N, O, Q, R, T, U, or Y.
- Position 10 through 13 in the Contract Number may not be "0000."

Delivery Order Number Edits:

- No special characters allowed.
- Must be 0, 4, or 13 characters in length.
- May not contain "O" or "I" at any position.
- For Acquisition, Delivery Order required when the ninth position of Contract Number is A, D or G.
- Delivery Order prohibited when ninth position of Contract Number is C, F, M, P, V, or W.
- If the Delivery Order is 4 characters, the following edits will be applied:
 - The characters "A" and "P" are prohibited in the first position of 4-character Delivery Order Number.
 - "0000" is not acceptable value.
- If the Delivery Order is 13 characters, the following edits will be applied:
 - First 6 positions must be valid government DoDAAC.
 - Positions 7 and 8 must be numeric.
 - Position 9 must be F.
 - Positions 10 through 13 cannot be all zeroes.

Contract Type is "Uniform PIID (FAR 4.16)"**Contract Number Edits:**

- No special characters allowed.
- Must be 13 to 17 characters in length, inclusive.
- Contract cannot contain "O" or "I" at any position.
- First 6 positions must be a valid government FEDAAC.

- Positions 7 and 8 (FY parameter) must be numeric and 16 or greater.
- Position 9 must be alpha.
- Position 9 cannot be: B, E, I, J, O, Q, R, U, W, X, Y, or Z.
- Position 10 through the end of the Contract Number may not be all zeroes.

Delivery Order Number Edits:

- No special characters allowed.
- Must be 13 to 17 characters in length, inclusive.
- Delivery Order Number may not contain "O" or "I" at any position.
- First 6 positions must be a valid government FEDAAC.
- Positions 7 and 8 must be numeric and 16 (FY parameter) or greater.
- Position 9 must be F.
- Position 10 through the end of the Delivery Order Number may not be all zeroes.
- Delivery Order is prohibited when the 9th position of the Contract Number is C, F, H, P, or V.
- For Acquisition, Delivery Order is required when the 9th position of the Contract Number is A, D, or G.

1.12 PID Segment - Product/Item Description. Pos. 070 – Detail

NOTES: There must be one or more instances of this segment per Line Item (HL03=I) or Embedded UID Loop (HL03=F).

iRAPT only accepts PID in the Line Item Loop (HL03 = I) and in the Embedded UII Loop (HL03 = F). A PID is required when HL03 = F and the Embedded UIIs are Non-GFP.

Embedded UID description may not exceed a combined total of 225 characters within each Embedded UID Loop. The submission will fail and an error message will be sent stating that the character limit is 225 if that number is exceeded.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
PID01	Item Description Type	349	1/1	M	See code below.	ID
PID02	Product/Process Characteristic Code	750	N/A	N/A	Not used.	N/A
PID03	Agency Qualifier Code	559	N/A	N/A	Not used.	N/A
PID04	Product Description Code	751	N/A	N/A	Not used.	N/A
PID05	Description	352	1/75	M	Free Form Description	AN

Sample:

PID^F^^^^9mm Ammo Rounds

Notes:

- iRAPT allows for one to 75 characters of description in the PID05.
- iRAPT will not allow more than 25 instances of PID per Line Item Loop.
- iRAPT will not allow more than 25 instances of PID per Embedded UID Loop.

PID01 – Item Description Type

F Free Form

1.13 TD1 Segment - Carrier Details – (Quantity & Weight), Pos. 110 – Detail

NOTES: There may be one instance of TD1 in the Shipment Loop (HL03 = S).

iRAPT will ignore TD1 data past the first instance.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
TD101	Packing Code	103	N/A	N/A	Not used.	N/A
TD102	Lading Quantity	80	N/A	N/A	Not used.	N/A
TD103	Commodity Code Qualifier	23	N/A	N/A	Not used.	N/A
TD104	Commodity Code	22	N/A	N/A	Not used.	N/A
TD105	Lading Description	79	N/A	N/A	Not used.	N/A
TD106	Weight Qualifier	187	N/A	N/A	Not used.	N/A
TD107	Weight	81	1/6	O	Value in Whole Pounds	R
TD108	Unit or Basis of Measurement Code	355	2/2	C	LB Pounds – only code allowed in iRAPT	ID
TD109	Volume	183	1/8	C	Express total cube in cubic feet.	R
TD110	Unit or Basis of Measurement Code	355	2/2	C	“5I” for Standard Cubic Foot.	ID

Samples:

TD1^^^^^^10^LB

TD1^^^^^^500^5I

1.14 TD5 Segment – Carrier Details – (Routing Seq/Transit Time), Pos. 120 – Detail

NOTES: There may be one instance of TD5 in the Shipment Loop (HL03 = S).

iRAPT will ignore TD5 data past the first instance.

If the TD5 segment is submitted, then either the Standard Carrier Alpha Code or the Transportation Method/Type Code must be entered.

TD501 is used in conjunction with the Secondary Tracking Number and Bill of Lading which will be reported in the REF Segment, Pos. 150.

TCN (Transportation Control Number) is not a Secondary Tracking Number and is not to be used in conjunction with TD501, TD502 or TD503. TCN is reported in REF01 = TG.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
TD501	Routing Sequence Code	133	1/1	C	Transportation Leg If Secondary Tracking Number, Bill of Lading, or Standard Carrier Alpha Code is entered, this field is mandatory. iRAPT only accepts "B" in TD501.	ID
TD502	Identification Code Qualifier	66	1/1	C	Standard Carrier Alpha Code Qualifier If TD502 is entered, then TD503 is required. iRAPT only accepts "2" in TD502.	ID
TD503	Identification Code	67	2/4	C	Standard Carrier Alpha Code - If TD502 = "2", enter Standard Carrier Alpha Code in TD503. If TD503 is entered, then TD502 is required. This is a code that identifies the actual carrier/transportation company.	AN
TD504	Transportation Method/Type Code	91	1/2	O	See additional notes below. For Energy Receiving Report use the following codes: "B" for Barge	ID

					"S" for Tanker "W" for Tanker	
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Samples:

TD5^^^AC (Transportation Method/Type Code)

TD5^B^2^USPS (Indicates a Secondary Tracking Number may be reported and/or Bill of Lading and SCAC Code is provided)

TD5^B^^AC (Indicates a Secondary Tracking Number and/or Bill of Lading is provided)

TD501 – Routing Sequence Code

B Origin/Delivery Carrier (Any Mode)

Note:

Transportation Method/Type Codes

Please refer to the Transportation Method/Type Code Table maintained under the "Lookup" tab on the iRAPT website.

Notes:

- For Energy Receiving Report, if Tanker/Barge is selected then Transportation Method/Type is mandatory. If the vendor creates the Tanker/Barge RR with a "B" and has selected Transportation Later, they may update that "B" to either an "S" or a "W" with a Transportation later update transaction. Any updates must be limited to the available Tanker/Barge Method/Mode codes: "B", "S" or "W".

1.15 TD4 Segment - Carrier Details – (Special Handling, or Hazardous Materials, or Both), Pos. 140 – Detail

NOTES: There may up to three instance of TD4 in the Item Loop (HL03 = I).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
TD401	Special Handling Code	152	2/3	O	Please refer to the Special Package Markings / Special Handling Requirements (Hazardous Codes) Table maintained under the "Lookup" tab on the iRAPT website. If certain codes are submitted, an attachment is required.	ID
TD402	Hazardous Material Code Qualifier	208	N/A	N/A	Not used.	N/A
TD403	Hazardous Material Class Code	209	N/A	N/A	Not used.	N/A
TD404	Description	352	1/80	C	Required when TD401 = "MOT" for Other	AN

Sample:

TD4^HM

TD4^MRF

TD4^OPR

TD4^MOT^^^Other Value

1.16 REF Segment - Reference Numbers, Pos. 150 - Detail

NOTES: There may be one or more instances of REF per HL Loop.

iRAPT will accept REF in the Shipment Loop (HL03 = S), the Line Item Loop (HL03 = I), the UID Loop (HL03 = D), the Embedded Loop (HL03 = F), the Product Characteristics Loop (HL03 = PH), the Pack Loop (HL03 = P) and the Mark Loop (HL03=X).

When HL03=S, the REF Segment may include the following: Bill of Lading; Transportation Control Number; Invoice Number; Alternate Release Procedure; Indicator (ARP); Previous Contract Number; Delivery Order Number; Shipper's Identifying Number for Shipment (SID); Mark For Comments; Authorized Accounting Activity (AAA); Standard Document Number (SDN); Appropriation Number (ACRN); Secondary Tracking Number Type Indicator; Secondary Tracking Number; Serial Shipping Container Code Qualifier; Description of Secondary Transportation Tracking Number; and Transportation Leg Association.

When HL03=S and only when the pay system is CRCard, the REF Segment must include the following: Vendor Transaction Reference Number and Amount Billed.

When HL03=S and a REF Segment is used to report the Bill of Lading and/or Secondary Tracking Number, the REF Segment containing the Bill of Lading and/or Secondary Tracking Number information must follow the TD5 segment.

When HL03=I, the REF Segment may include the following: Authorized Accounting Activity (AAA); Standard Document Number (SDN); Appropriation Number (ACRN), Purchase Requisition Number, Mark For Comments.

When HL03=D or HL03=F, the REF Segment may include the following: UII Number with Associated Serial Number; Special Tooling and Equipment Status.

When HL03=P, the REF Segment may include the following: UII Number; and RFID Tag Data.

When HL03 = PH, the REF Segment may include the following: Lot Number and Manufacturer.

If this segment is used in conjunction with an ELIN for a CDRL, there must be two to three instances of the REF Segment, Pos. 150:

1st REF: REF01= "E9", REF02 = "Y", REF03= The CDRL File Name

2nd REF: REF01= "06", REF02= "System ID" and REF03= SYSUID

3rd REF (if used): REF01= "06", REF02= "System ID" and REF03= SYSUID - (identifies a second unique receiving entity)

The following segments need to also be used to report CDRL information:

LIN Segment, Pos. 020, LIN01= The ELIN, LIN02= "VP" and LIN03= "CDRL".

SN1 Segment, Pos 030, SN102= “1” and SN103= “EA”.

CDRLs are not allowed for One Pay or EBS.

If the CDRL Indicator (REF02 when REF01= “E9”) is “Y” then GFE is prohibited.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
REF01	Reference Identification Qualifier	128	2/3	M	<p>IC approved codes. See list below for preferred codes.</p> <p>Enter “ZZ” for Mark For Comments or Mark For Secondary Comments.</p> <p>When “RE” is entered in this Field, ARP indicator will be set to yes and box will be checked on the Web. If you do not want to set the ARP indicator, then do not use the “RE” code in REF01.</p> <p>UID - Use “U3” to send Serial number in REF02 and/or UID data in REF03. “U3” is also allowed in the Pack Loop. “U3” is required in the Pack Loop (HL03 = P) when UID data is reported in UID Loop (HL03 = D). If “U3” is reported in REF01 when HL03 = P, then REF02 is not used and REF03 is used to report the UII.</p> <p>RFID – Use “JH” in REF01 to send Tag information in REF03.</p> <p>HL03=P SDQ is to be used to identify the CLIN/SLIN and Quantity included in the HL03=I</p> <p>CDRL – Use “E9” in REF01 to send CDRL information in REF02</p>	ID

				<p>and REF03</p> <p>SYSUID – Use “06” in REF01 to send SYSUID information in REF02 and REF03</p> <p>Bill of Lading Type Indicator – Enter “BL” for Government and “BM” for Commercial.</p> <p>Serial Shipping Container Code Qualifier – Valid value is “LA”.</p> <p>Secondary Tracking Number Type Indicator (See codes below table.)</p> <p>If Secondary Tracking Number Type of “XY” is entered for Other Unlisted Transportation Number, then REF01 = “0L” is required to provide the description. The “XY” and “0L” are a pair and must be submitted together. (See sample below table.)</p> <p>Vendor Reference Number, valid value is “E4”.</p> <p>If REF01 = “TG”, enter Transportation Control Number in REF02.</p> <p>“DO”, “P1” or “SI” are used as key data indicators when submitting a Corrected Receiving Report when HL03 = S.</p> <p>Where HL03 = S, enter “E9” to indicate an attachment. If “E9” is entered in REF01, enter the word “Attachment” in REF02 and the attachment name in REF03.</p>
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					<p>Enter "KL" for "Contract Number Type"</p> <p>If the value is not provided, the transaction will be defaulted to a value of B - DoD Contract (FAR), and all associated edits for Contract Number and Delivery Order number structure associated with DOD Contract (FAR) will be applied to the inbound file and if not met the file will fail.</p> <p>Enter "LT" for "Lot Number"</p> <p>Enter "ZM" for "Manufacturer"</p> <p>Enter "RQ" for "Purchase Requisition Number"</p>
			3/3	O	<p>Enter "TOC" in REF01 to submit Document Level Comments. If "TOC" is entered in REF01, enter the word "Comment" in REF02 and Document Level Comments in REF03.</p>
			2/2	M	<p>When HL03=D, enter DD for Document Identification Code</p> <p>In the Embedded UID Loop (HL03=F), enter DD for Document Identification Code</p> <p>When HL03 = I, enter "XY" – Other Unlisted Type of Reference Number</p>
			3/3	M	<p>When HL03 = S, enter "ACC" for Status to capture Draft Indicator. See additional notes below.</p>
			2/3	M	<p>When HL03=S, enter</p>

			2/3	M	<p>“2E” for Foreign Military Sales Case Number</p> <p>When HL03=I, enter “P4” for Project Code</p>	
			2/2	M	When HL03=S, enter “TH” for Transportation Account Code (TAC)	
			2/3	M	When HL03=X, enter Content Type code - See list below.	
			2/3	M	When HL03=X, enter “TIP” for Mark Medium	
			2/3	M	When HL03=X, enter “SJ” for Mark Set Number	
			2/3	M	<p>When HL03=X, enter “JL” for Mark Bagged/Tagged Indicator</p> <p>When HL03 = “S”, enter “FS” (Final Sequence Number)</p>	
REF02	Reference Identification	127	1/22	C	<p>Invoice Number</p> <p>Enter “Z7A” for Mark for Comments</p> <p>Enter “Z7B” for Mark for Secondary Comments.</p> <p>If “AI” or “IV” are used in REF01, Invoice Number must be entered.</p>	AN
	MOCAS		1/8			
	EBS		1/16			
	One Pay		1/30		Standard Document Number (SDN)	
			13/15		Standard Document Number (SDN) must be 13, 14 or 15 alphanumeric characters for One Pay when AAI is not found in the DOD AAI table.	
					Standard Document Number (SDN) must be 9, 13, 14 or 15 alphanumeric characters for One Pay when AAI is found in	

			1/1	<p>the DOD AAI table.</p> <p>Alternate Release Procedures (ARP) – Enter “Y” for ARP</p> <p>iRAPT will automatically set the ARP indicator to “Y” once “RE” is entered in REF01.</p>	
			1/30	<p>Bill of Lading Number – If HL03 = “S” and REF01 = “BL”, enter Government Bill of Lading in REF02; If HL03 = “S” and REF01 = “BM”, enter Commercial Bill of Lading in REF02.</p> <p>UID – Serial Number (if applicable)</p> <p>No special characters, except for dashes (-) and forward slashes (/) are allowed for Serial Number. If received, then the document will be rejected.</p>	
			2/2	<p>ACRN – enter actual ACRN</p>	
			6/6	<p>AAA</p> <p>Do not use REF02 when reporting UID Data in the Pack Loop (HL03 = P).</p>	
			1/1	<p>If REF01 = “E9”, then REF02 is a CDRL Indicator and can be “Y” or “N”.</p>	
			9/9	<p>If REF01 = “06” then REF02 = “System ID”.</p>	N
			18/18	<p>Serial Shipping Container Code</p> <p>If REF01 = “LA”, enter Serial Shipping Container Code in REF02.</p>	AN
			1/30	<p>Secondary Tracking Number - If REF01 contains a Secondary</p>	

				<p>Tracking Number Type Indicator (See codes below table), enter the Secondary Tracking Number in REF02.</p> <p>If REF01 = "OL" enter the description.</p> <p>Transportation Control Number (TCN) - If REF01 = "TG", enter Transportation Control Number in REF02. The 16th position must be an alpha character but may not be "I" or "O".</p>
			17/17	
			1/24	<p>Vendor Transaction Reference Number. If REF01 = "E4", enter the Vendor Transaction Reference Number in REF02.</p>
			1/30	<p>If "E9" is entered in REF01, enter the word "Attachment" in REF02 and the attachment name in REF03.</p>
			1/1	<p>If "KL" is entered in REF01, enter the Contract Number Type in REF02, refer to the list below:</p> <ul style="list-style-type: none"> A Cooperative Agmt. B DoD Contract (FAR) C DoD Contract (Non FAR) D Grant/Cooperative Agreement; Non-Procurement Instruments E Intragovernmental F Intergovernmental G International Agmt. I Non-DoD Contract (FAR) J Non-DoD Contract (Non FAR) K Other Agreement S Uniform PIID (FAR 4.16)
			1/20	<p>If "LT" is entered in REF01, enter the Lot</p>

			1/25	Number in REF02 If "ZM" is entered in REF01, enter the Manufacturer in REF02	
			1/30	If "RQ" is entered in REF01, enter the Purchase Request Number in REF02	
			7/7	If "TOC" is entered in REF01, enter the word "Comment" in REF02 and the Document Level Comments in REF03.	
			1/30	<p>If "DD" is entered in REF01, enter one of the following in REF02:</p> <p>ST – Special Tooling STE – Special Test Equipment NS- Neither</p> <p>If this segment is not entered, it will default to NS – Neither.</p> <p>In the Embedded UID Loop (HL03=F), when "DD" is entered in REF01, enter one of the following in REF02:</p> <p>ST – Special Tooling STE – Special Test Equipment NS- Neither</p> <p>If this segment is not entered, it will default to NS – Neither.</p> <p>If "XY" is entered in REF01, enter the word "METHOD" in REF02 and the Type Designation Method Code in REF03.</p>	

					<p>If "XY" is entered in REF01, enter the word "VALUE" in REF02 and the Type Designation Value in REF03.</p>
			5/5		<p>If HL03 = "S" and if REF01 = "ACC" enter "Draft"</p>
			8/10		<p>If HL03 = "S" and if REF01 = "2E", enter Foreign Military Sales Case Identifier.</p>
			3/3		<p>If HL03 = "I" and if REF01 = "P4", enter Project Code.</p>
			4/4		<p>If HL03 = "S" and if REF01 = "TH", enter Transportation Account Code (TAC).</p>
			1/30		<p>When HL03 = "X" and REF01 uses Content Type Code, enter Mark Value. Note: Due to EDI Restrictions, Mark Value will be limited to max length of 170.</p>
			1/30		<p>When HL03 = "X" and REF01 = "TIP", enter Mark Medium Value: 2D COMPLIANT NONCOMPLIANT DATA MATRIX HUMAN READABLE CMB PDF417 BARCODE RFID PROFILE</p>
			1/30		<p>When HL03 = "X" and REF01 = "SJ", enter Mark Set Number Value: Set 01 Set 02 Set 03 Set 04</p>

			1/30		Set 05 Set 06 Set 07 Set 08 Set 09	
			1/16		When HL03 = "X" and REF01 = "JL", enter "Y" or "N"	
			1/30		When HL03 = "I," and REF01 = "DF," enter the UID Clause Number "252.211-7003" in REF02.	
					When REF01 = "FS", enter "Y" or "N".	
REF03	Description	352	8/8	C	CCYYMMDD Invoice date is required, if REF01 is "AI" or "IV".	AN
			1/50		UID should be cited here for UID Loop (HL03 = D) and Pack Loop (HL03 = P). Required if UID data is sent. See Unique Identifier section below for UID Type Edits. UID – this is the Unique Identifier that ensures uniqueness of items that are listed in the DoD UID Registry. Alphabetic characters should be capitalized. If REF01 = ZZ and REF02 = Z7A or Z7B, then enter Mark For Comments. ACRN Dollar Amount – enter when multiple ACRNs are reported. The dollar amount is required for a single ACRN when the Pay System is One Pay. No dollar signs are allowed, only numbers and decimals values. (example: 500.00 or 200.16) Type is R10.2	

				<p>for ACRN price only. Negative dollar amounts allowed for ACRN. ACRN Price is affected by currency code. See notes below.</p> <p>RFID – RFID Tag ID Information. Enter tag information in REF03 if JH is entered into REF01.</p> <p>Enter CDRL filename. Mandatory when REF01 = E9 and REF02 = Y.</p> <p>If REF02 = N, REF03 should not be used.</p> <p>SYSUID – If REF01 = “06”, REF03 is mandatory. This value is identified in the contract as part of the CDRL requirement. iRAPT will reject an invalid SYSUID. Instructions to the user will be provided to contact the contracting officer or the ACO.</p>	
			3/22		
			10/10		
			1/1	<p>Transportation Leg Association.</p> <p>If Secondary Transportation Tracking Number Type (REF01) = 08, AW, BN, CN, CY, FI, IZ, K2, K3, WY, XC, XY, ZH or OL, REF03 is mandatory.</p> <p>REF03 is mandatory and must match the Transportation Leg Described in TD501.</p> <p>If Bill of Lading Indicator (REF01) = “BL” or “BM” REF03 is mandatory, enter “B”.</p>	
			1/17	Enter the Amount	R14.2

			3/22	<p>Billed when REF01="E4" and REF02=Vendor Reference Number. Amount Billed is affected by currency code. See notes below.</p> <p>If the CDRL Indicator in REF01 is "Y", then REF03 is mandatory and will contain the name of the file to be attached to the document. File names must be unique. If a file name is sent that already exists, then the existing file will be overwritten. If the same file must be attached to multiple documents, then vary the file name slightly for each Attachment.</p> <p>iRAPT will accept the following types of attachments via the EDI Transaction Set 841:</p> <p>BMP: Bitmap DOC: Microsoft Word Application HTM: Hypertext Markup HTML: Hypertext Markup Language JPG: Joint Photographic Exerts Group Format MSG: Microsoft Outlook Application PDF: Adobe Acrobat Portable Document Format PPT: Microsoft PowerPoint Application RTF: Rich Text Format TIF: Tagged Image</p>	AN
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			1/80	<p>File Format</p> <p>TXT: Plain text format</p> <p>XLS: Microsoft Excel Application</p> <p>XML: Extensible Markup Language</p> <p>If "E9" is entered in REF01, enter the word "Attachment" in REF02 and the attachment name in REF03. Attachment name, including the extension, must not exceed the maximum field length of 80 characters.</p> <p>If "TOC" is entered in REF01, enter the word "Comment" in REF02 and the Document Level Comments in REF03.</p> <p>If "XY" is entered in REF01, enter the word "VALUE" in REF02 and the Type Designation Value in REF03.</p> <p>Please refer to the "Type Designation Value Validations" document maintained under the "Documentation" - "Supporting Documentation" tab on the iRAPT website.</p>	
			1/80	<p>When REF01 uses Content Type Code, enter Mark Value.</p>	
			1/50	<p>(Continued)</p> <p>When HL03 = "1," and REF02 = "252.211-7003," enter "EXEMPT" or "NON-EXEMPT" in REF03. Document-level comments are mandatory when</p>	

					<p>Type Designation Value in REF03. If the Type Designation Value exceeds 80 characters, the remaining characters should be submitted in REF04 by setting the first composite field (C04001) to "W8" and entering the remaining characters in the second composite field (C04002).</p> <p>O Mark Value: Use same value entered in REF01.</p> <p>Use the remaining composite values to allow Mark values up to 200 characters.</p>	
REF04	Reference Identification	C04002	1/30	C	When REF01 uses Content Type Code, enter Mark Value. (Continued).	AN
REF04	Reference Identification Qualifier	C04003	2/3	O	<p>Mark Value: Use same value entered in REF01.</p> <p>Use the remaining composite values to allow Mark values up to 200 characters.</p>	ID
REF04	Reference Identification	C04004	1/30	C	When REF01 uses Content Type Code, enter Mark Value. (Continued).	AN
REF04	Reference Identification Qualifier	C04005	2/3	O	<p>Mark Value: Use same value entered in REF01.</p> <p>Use the remaining composite values to allow Mark values up to 200 characters.</p>	ID
REF04	Reference Identification	C04006	1/30	C	When REF01 uses Content Type Code, enter Mark Value. (Continued).	AN

Samples:

REF^AI^INV1234^20080430 (invoice number and date)

REF^AT^AA (single ACRN)

REF^AT^AA^500 (multiple ACRN)

REF^AT^AB^300

REF^DO^0001 (Delivery Order Number for Corrected Receiving Reports)

REF^P1^ECP5730000001 (Previous Contract Number for Corrected Receiving Reports)

REF^SI^SHP0158 (Shipper's Identifying Number for Shipment – SID, for Corrected Receiving Reports)

REF^ZZ^Z7A^Attn: John Smith (Mark For Comments)

REF^ZZ^Z7B^To be delivered to the Post Garrison (Mark For Secondary Comments)

REF^U3^0001^D064810001^W9:Yes (Mark Indicator for Multi-Pack)

See the full multi-pack sample in the SDQ Segment, Pos. 290.

REF^E4^AB123234321232^140080.75 (Vendor Transaction Reference Number)

REF^E9^Y^CDRL_Attachment.doc (CDRL Attachment)

REF^06^System ID^9999FU4417 (CDRL SYSUID 1)

REF^06^System ID^1111FU4417 (CDRL SYSUID 2)

REF^E9^N

REF^LA^000001000200000001 (Serial Shipping Container Code)

REF^AW^STN00001^B (Secondary Tracking Number)

REF^XY^STN00000^B (Relating a Transportation Leg to a Secondary Tracking Number)

REF^0L^VENDOR RELEASE NUMBER^B

REF^BL^4578358846^B (Relating a Transportation Leg to the Government Bill of Lading Number)

REF^BM^4578358846^B (Relating a Transportation Leg to the Commercial Bill of Lading Number)

REF^TG^0000AAA0000000TRP (Transportation Control Number)

REF^BL^4578358846 (Government Bill of Lading Number)

REF^BM^4578358846 (Commercial Bill of Lading Number)

Samples for UIDs (REF01=U3)

HL^4^3^D^1
 SLN^1^^O^1^^^^KF^UID1^MF^06481^MG^0001^XZ^D^B8^BATCH/LOT^VU^12345^DS
 ^D^BZ^Y
 REF^U3^0001^D064810001^6O:1 (has embedded UII)
 REF^U3^0002^D064810002^6O:2 (has embedded UII)
 REF^U3^0003^D064810003^6O:3 (has embedded UII)
 REF^U3^0004^D064810004 (no embedded UII)
 REF^U3^0005^D064810005^6O:4 (has embedded UII)
 HL^5^4^X^0 (Start of Mark)
 REF^U3^^ D064810002 (Indicates this Mark is a child of UII D064810002)
 REF^TIP^PDF417 (Mark Medium)
 REF^SJ^Set 1 (Set Number)
 REF^JL^Y (Bagged/Tagged)
 REF^CT^ N0038308C5544 (Content Type of Contract Number and the value)
 DTM^007^20131218 (Effective Date)
 N1^AAU^^10^FU4417 (Marker Code and Marker Identifier)
 HL^6^4^X^0 (Start of Mark)
 REF^U3^^ D064810004 (Indicates this Mark is a child of UII D064810004.
 Because this Mark does not have any other content
 submitted, this will be saved as the Content Type (UID)
 and the content value.)
 REF^TIP^PDF417 (Mark Medium)
 REF^SJ^Set 1 (Set Number)
 REF^JL^Y (Bagged/Tagged)
 DTM^007^20131218 (Effective Date)
 N1^AAU^^33^06481 (Marker Code and Marker Identifier)

Samples when REF04 (HL03=F) = for UIDs

HL^7^4^F^1
 SLN^1^^O^1^^^^O^KF^UID1^MF^06481^MG^0001^XZ^D^B8^BATCH/LOT^VU^67890^D
 S^D^BZ^Y
 REF^U3^E001^D06481E001^6O:1
 REF^U3^E002^D06481E002^6O:2
 REF^U3^E003^D06481E003^6O:2
 REF^U3^E004^D06481E004^6O:3
 REF^U3^E005^D06481E005^6O:4
 HL^8^4^X^0 (Start of Mark)
 REF^U3^^ D06481E001 (Indicates this Mark is a child of UII D06481E001)
 REF^TIP^PDF417 (Mark Medium)
 REF^SJ^Set 1 (Set Number)
 REF^JL^Y (Bagged/Tagged)
 REF^CT^ N0038308C5544 (Content Type of Contract Number and the value)
 DTM^007^20131218 (Effective Date)
 N1^AAU^^10^FU4417 (Marker Code and Marker Identifier)

HL^9^4^X^0	(Start of Mark)
REF^U3^^ D06481E002	(Indicates this Mark is a child of UII D06481E002. Because this Mark does not have any other content submitted, this will be saved as the Content Type (UID) and the content value.)
REF^TIP^PDF417	(Mark Medium)
REF^SJ^Set 1	(Set Number)
REF^JL^Y	(Bagged/Tagged)
DTM^007^20131218	(Effective Date)
N1^AAU^^33^06481	(Marker Code and Marker Identifier)

REF01 – Reference Identification Qualifier

Accepted in Shipment Loop (HL03 = S)

12	Billing Account (used to report AAA)
AI	Associated Invoices
AT	Appropriation Number – populates ACRN Field in iRAPT
BL	Government Bill of Lading
BM	Commercial Bill of Lading
CA	Cost Allocation Reference – populates SDN Field in iRAPT
DO	Delivery Order Number for Corrected Receiving Reports
E4	Charge Card Number (Vendor Transaction Reference Number)
E9	Attachment Code
IV	Sellers Invoice Number
LA	Serial Shipping Container Code Qualifier
P1	Previous Contract Number for Corrected Receiving Reports
RE	Release Number
TG	Transportation Control Number
SI	Shipper's Identifying Number for Shipment (SID) for Corrected Receiving Reports
ZZ	Mutually Defined (Use for Mark For Comments)
KL	Contract Reference
TOC	Document Level Comments
ACC	Status (used to capture the Draft Indicator)

2E Foreign Military Sales (FMS) Case Number

TH Transportation Account Code (TAC)

FS Final Sequence Number

Notes:

- REF01, IV or AI can be used to pass an Invoice Number. Also, only one REF with IV or AI can be used per transaction.
- The attachment referenced by the “E9” code in the table above represents functionality whereby an attachment can be submitted independently and associated to a submitted EDI transaction. Vendors have the ability to have the SAM set up an attachment directory that will allow the vendor to submit attachments for EDI transactions directly to the FTP Server.
- There may be multiple attachments per transaction.
- The delimiter character “^” is not allowed in comments.
- The comments will be concatenated into a single comment which may not exceed 2000 characters.
- When EDI submissions are identified as a “Draft”, the system will process them inbound using the following minimal data set requirements:
 - Vendor CAGE
 - Contract Number Type (Defaults to DoD Contract (FAR) if not entered)
 - Contract Number
 - Delivery Order Number
 - Pay Official DoDAAC
 - Document Type
 - Routing DoDAACs depending on the document type and pay system
 - Invoice/Shipment Number depending on the document type
 - If any Line Item data is submitted, the Item No is mandatory

Once submitted as a “Draft”, all documents must be processed via the web interface using the current “Save and Continue” functionality. There will be no ability to “add to a document” via additional electronic submissions.

REF01 – Reference Identification Qualifier

Secondary Tracking Number Type Indicator Codes; Accepted in Shipping Loop (HL03 = S)

08 Carrier Assigned Package Identification Number

AW Air Waybill Number

- BN Sealift Booking Number
- CN PRO/Invoice Number
- CY Truck Number/Commercial Registration Number
- FI Port Call File Number
- IZ Insured Parcel Post Number
- K2 Certified Mail Number
- K3 Registered Mail Number
- WY Surface Waybill Number
- XC Trailer Number/Cargo Control Number
- XY Other Unlisted Transportation Number
- 0L Reference Qualifier (Used to relate Description of Secondary Transportation Tracking Number to previous REF Segment where REF01 = XY)
- ZH Express Mail Number

REF01 – Reference Identification Qualifier

Accepted in Line Item Loop (HL03 = I)

- 12 Billing Account (used to report AAA)
- 93 Funds Authorization – populates SDN Field in iRAPT
- AT Appropriation Number – populates ACRN Field in iRAPT
- CA Cost Allocation Reference – populates SDN Field in iRAPT
- E9 CDRL Indicator
- 06 System ID (SYSUID)
- RQ Purchase Request Number
- ZZ Mutually Defined (Use for Mark For Comments)
- XY Other Unlisted Type of Reference Number
- P4 Project Code
- DF UID Exemption Indicator (does not apply to Energy Receiving Report)

Note:

REF01 – 93 or CA can be used to pass a Standard Document Number (SDN). Also, only one REF with 93 or CA can be used per Line Item.

REF03 – Type Designation Method Codes

Accepted in Line Item Loop (HL03 = I)

- A AEROSPACE ENGINES, AIRBREATHING (MIL-HDBK-1812)
- B AEROSPACE ENGINES, NON-AIRBREATHING (MIL-HDBK-1812)
- C AEROSPACE EQUIPMENT AND SUPPORT EQUIPMENT (MIL-HDBK-1812)
- D ARMY NOMENCLATURE SYSTEM (MIL-STD-1464A)
- E GROUPS AND UNITS (MIL-HDBK-1812)
- F JOINT ELECTRONICS TYPE DESIGNATION SYSTEM (“A/N”) (MIL-STD-196E)
- G NAVAL VESSEL REGISTRATION SYSTEM (SECNAV INSTRUCTION 5030.8)
- H NAVY MARK/MOD NOMENCLATURE SYSTEM (MIL-STD-1661)
- I PHOTOGRAPHIC EQUIPMENT (MIL-HDBK-1812)
- J U.S. MILITARY AEROSPACE VEHICLE DESIGNATION - AIRCRAFT (DOD DIRECTIVE 4120.15)
- K U.S. MILITARY AEROSPACE VEHICLE DESIGNATION - MISSILES, ROCKETS, PROBES AND SATELLITES (DOD DIRECTIVE 4120.15)

REF01 – Reference Identification Qualifier

Accepted in UID Loop (HL03 = D) and Embedded UID Loop (HL03 = F)

U3 UID Value

DD Document Identification Code

REF02 – Reference Identification

Accepted in UID Loop (HL03 = D) and Embedded UID Loop (HL03 = F) where REF01=DD

ST – Special Tooling

STE – Special Test Equipment

NS – Neither

Notes:

REF at Pos. 150 will be used to report Special Tooling Or Status Equipment at the Embedded UID Header level (HL03 = F Loop).

Note that the field will be given at the Embedded UID Header Level (HL03 = F Loop) and populated down for each Embedded UII underneath that header.

To report a different value for each Embedded UII, a separate Embedded UID Header loop (HL03 = F Loop) will need to be reported for each Embedded UII.

REF01 – Reference Identification Qualifier

Accepted in Pack Loop (HL03 = P)

U3 UID Value

JH Tag (RFID Tag Data)

Note:

IF REF01=JH and HL03 = P for RFID, use the SDQ segment, Pos. 290, for associated CLIN/SLIN & quantity information.

REF01 – Reference Identification Qualifier

Accepted in Product Characteristics Loop (HL03 = PH)

LT Lot Number

ZM Manufacturer

REF01 – Reference Identification Qualifier

Mark Content Types Accepted in Mark Loop (HL03 = X)

CT (Contract Number) - Contract Number

Y9 (Current Certificate Number) – FAA Certification

7M (Frame) – Hull Number

LT	(Lot Number) - Lot Number
NS	(National Stock Number) – National Stock Number
PM	(Part Number) – Part Number
Q5	(Property Control Number) – Property Control Number
SE	(Serial Number) – Serial Number
AAG	(Military ID) – Service/Agency/Command
ZA	(Supplier) – Supplier Name
Q8	(Registration Number) – Tail Number
U3	(Unique Supplier Identification Number) - UID
ABS	(Vessel Name) – Vessel Class
GU	(Internal Purchase order Item Number) - INTERNAL ASSET NUMBER
K6	(Purchase Description) - ITEM NOMENCLATURE
PRT	(Product Type) - TYPE DESIGNATION
AAU	(General Agency Number) - USA NUMBER
AAW	(Agency Assigned Number) - USAF NUMBER
DX	(Department/Agency Number) - USN NUMBER

Notes:

Use in Mark loops ((HL03 = X) to provide Mark information related to parent or embedded Non-GFP UIDs. Repeat the REF segment as needed. For values exceeding the REF02 maximum field length limit of 30 characters, use the REF03 for the overflow. For values exceeding the REF02 and REF03 maximum field length limit (combined 110 characters), use the REF04 C04002, C04004, and C04006 as needed with appropriate qualifier cited in the C04001, C04003, and C04005.

REF01=U3 is required in the Mark Loop (HL03 = X). When REF01=U3, REF03 must contain the UII. The Mark will be added to the UII cited in REF03. If no other Mark Content Type is provided, then the Mark Content Type will default to UID and the Mark Content Value will default to the UII value in REF03.

There may be one or more instances of the Mark Value added per UII per Line Item Loop. If the Mark Value is not submitted, a default of 2D Compliant Mark will be added for the UII.

There may be one or more instances of the Mark Value added per Non-GFP Embedded UII per Line Item Loop. If the Mark Value is not submitted, a default of 2D Compliant Mark will be added for the Non-GFP Embedded UII. Mark Value may not be submitted and will not default for GFP Embedded UIIs.

REF01 – *Reference Identification Qualifier*

Accepted in Mark Loop (HL03 = X)

TIP Technical Information Package

SJ Set Number

JL Packet

iRAPT Payment System Edit Notes:

- Except for One Pay documents, if single ACRN is submitted, the ACRN dollar amount is optional in REF03. However, if submitted, the amount must match the extended Line Item total. One Pay ACRN entries must have ACRN amounts in REF03.
- If multiple ACRNs are submitted, the ACRN dollar amount is mandatory in REF03 and the sum of the ACRN dollar amounts must balance to the extended Line Item total. ACRN must be 2 alphanumeric characters.
- For One Pay and EBS, ACRN amount must be between -999,999,999.99 and 999,999,999.99 and can only contain up to 2 digits to the right of the decimal. For all other pay systems, ACRN amount must be between -9,999,999,999.99 and 9,999,999,999.99 and can only contain up to 2 digits to the right of the decimal.
- ARP (REF01=RE) is allowed for Source/Source and Source/Destination documents. This Field is not allowed on Destination/Destination documents.
- For Zero Lot, the number of UIIs must balance to the Actual Quantity reported in SN105.
- Alternate Release Procedures (ARP) and Certificate of Conformance (COC) in SAC Segment are mutually exclusive. Both are optional but only one may be reported.
- If MOCAS paid/DCMA Administered and services (N101 = "SV") is selected, then UID data (REF03 = "U3") is not used.
- ACRN, SDN, and AAA are not allowed on a Receiving Report with a CRCARD Pay DoDAAC.
- EBS: SDN, ACRN and AAI are not allowed for Energy Receiving Reports.

- MOCAS and/or DCMA Administered, EBS: When the final shipment indicator is submitted as “Y”, the 8th position of the shipment number must be a “Z”. When the 8th character of the shipment number is "Z", the final shipment indicator must be "Y".

REF03 – Unique Identifier – UID Type Edits

- When the UID Type (SLN10) is “UID1,” concatenate the following elements in the order listed and enter in REF03 (REF Segment, Pos. 150 Detail):
 - Issuing Agency Code, SLN16 (Omit from concatenation if value is 0-9)
 - Enterprise Identifier, SLN12
 - Serial Number, REF02 (REF Segment, Pos. 150 Detail)
- When the UID Type (SLN10) is “UID2,” concatenate the following elements in the order listed and enter in REF03 (REF Segment, Pos. 150 Detail):
 - Issuing Agency Code, SLN16 (Omit from concatenation if value is 0-9)
 - Enterprise Identifier, SLN12
 - Original Part Number, SLN14 Or Batch/Lot Number, SLN18
 - Serial Number, REF02 (REF Segment, Pos. 150 Detail)
- When the UID Type (SLN10) is “ESN,” the following must be applied and entered in REF03 (REF Segment, Pos. 150 Detail):
 - The UII must be 8 characters long.
 - The UII must consist of the digits 0– 9, and the letters A– F only.
- When the UID Type (SLN10) is “VIN,” the following must be applied and entered in REF03 (REF Segment, Pos. 150 Detail):
 - The UII must be 17 characters long.
 - The UII must be composed of letters and numbers only and cannot contain the letters “I”, “O”, and “Q”.
- When the UID Type (SLN10) is “GIAI”, the following must be applied and entered in REF03 (REF Segment, Pos. 150 Detail):
 - The first position of the UII must be a number (0-9). Applies to Acquisition only.
- When the UID Type (SLN10) is “GRAI”, the following must be applied and entered in REF03 (REF Segment, Pos. 150 Detail):

- When the amount field is defined as a numeric field (N2), the decimal positions must be submitted with one or two zeros as needed to meet the X12 requirement that exactly two decimals are required for N2 fields.
- When the amount field is defined as a decimal number field (R) or an alpha/numeric string (AN),
 - The system will pad zeroes to right of the decimal point up to the number of digits allowed for a Currency Code.
 - The system will drop zeroes to the right of the decimal point if they exceed the number of digits allowed for a Currency Code.
 - If a non-zero number is given to the right of the maximum number of allowable decimal places as specified by the Currency Code, an error will be given.

1.17 CLD Segment – Load Detail, Pos. 170 – Detail

NOTES: There may be one or more instances of CLD used in connection with a single Line Item (LIN) Segment to relate quantity of items shipped for one or more requisitions.

iRAPT only accepts CLD in the Line Item Loop (HL03 = I).

There must be one instance of REF, Pos.180, per CLD Loop. If multiple MILSTRIP numbers are associated with the Line Item, each MILSTRIP quantity and MILSTRIP number must be entered in a separate CLD Loop.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
CLD01	Number of Loads	622	1/1	M	Customer defined loads shipped. This will always be "1" for iRAPT.	NO
CLD02	Number of Units Shipped MOCAS, EBS, One Pay, CAPS-C/W, IAPS-E	382	1/10 1/8	M	The Quantity of the MILSTRIP – Refer to Notes Below. MOCAS, EBS, One Pay, CAPS-C/W, IAPS-E	R
CLD03	Packaging Code	103	N/A	N/A	Not used.	N/A
CLD04	Size	357	1/1	M	This will always be "1" for iRAPT.	R
CLD05	Unit or Basis of Measurement Code	355	2/2	M	The Unit of Measure of the Line Item (SN103). Please refer to the iRAPT website under the Lookup dropdown for the Units of Measure Table.	ID

Samples:

Full quantity for one requisition:

HL^3^2^I^1
 LIN^0001^MG^ABC123
 SN1^^23^BX
 SLN^1^^O^^^10
 PID^F^^^^line item description
 CLD^1^23^^1^BX
 REF^TN^W8001290010986^^W8:A

Full quantity for multiple requisitions:

HL^3^2^I^1
 LIN^0001^MG^ABC123
 SN1^^23^BX
 SLN^1^^O^^^10
 PID^F^^^line item description
 CLD^1^12^^1^BX
 REF^TN^W8001290010985^^W8:A
 CLD^1^10^^1^BX
 REF^TN^W8001290010987^^W8:A
 CLD^1^1^^1^BX
 REF^TN^NONE

iRAPT Payment System Edit Notes:

- MOCAS, EBS, One Pay, CAPS-C/W: MILSTRIP Quantity – no decimals are allowed in CLD02. The total quantity of all MILSTRIPS entered per Line Item must equal the Quantity Shipped value for the Line Item. If the document is a Zero Lot, the number of MILSTRIPS must balance to the Actual Quantity reported in SN105. If a MILSTRIP Quantity is identified in CLD, then a MILSTRIP Number is required in the associated REF Segment.
- If MOCAS paid or DCMA Administered and services (N101 = “SV”) is selected, then MILSTRIP Information should not be entered for the document. The CLD loop should not be used for these documents.
- IAPS-E: MILSTRIP Quantity can be a numeric value (0-9) with up to 8 digits to the left and no more than 2 digits to the right of the decimal point. However, a decimal is not required. If a MILSTRIP Quantity is identified in CLD, then a MILSTRIP Number is required in the associated REF Segment.

1.18 REF Segment - Reference Identification, Pos. 180 – Detail

NOTES: There must be one instance of REF, Position 180, per CLD Loop. If multiple MILSTRIP numbers are associated with the Line Item, each MILSTRIP quantity and MILSTRIP number must be entered in a separate CLD Loop.

CLD may be used in connection with a single Line Item (LIN) Segment to relate quantity of items shipped to one or more requisitions.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
REF01	Reference Identification Qualifier	28	2/2	M	TN Transaction Reference Number (MILSTRIP)	ID
REF02	Reference Identification MOCAS	127	1/15 14/15	C	MILSTRIP (See notes below.) MOCAS If MILSTRIPs are sent in lowercase characters, then they will be converted to uppercase.	AN
REF03	Description	352	N/A	N/A	Not used.	N/A
REF04	Reference Identification	C040 C0401 C0402	 2/3 1/30	C M M	 W8 Suffix	AN

Sample:

REF^TN^W8001290010986^^W8:A

See the CLD segment for looping samples.

Notes:

- For an FMS Receiving Report, it is required that there be either one MILSTRIP Document No. or one PR Number per line item. The MILSTRIP Document No. may consist of a minimum of 14 and a maximum of 15 alphanumeric characters.

iRAPT Payment System Edit Notes:

- MOCAS: A MILSTRIP Number of 14 positions will be accommodated in REF02. If a suffix is required, it will be accommodated in REF04 by using Code W8 in C0401 and

placing the suffix in C0402. The word “NONE” may be used in REF02 when an additional schedule does not include an associated MILSTRIP Number.

- If MOCAS paid or DCMA administered and services (N101 = “SV”) is selected, then MILSTRIP data is not used.
- CAPS-C/W, IAPS-E: MILSTRIP can be one to 15, AN in REF02.
- MILSTRIP can contain the value of “NONE” or be up to 15 alphanumeric characters and is optional.
 - Duplicate MILSTRIPs are not allowed within the same Line Items.
 - “NONE” can only be sent as a MILSTRIP once per Line Item and “NONE” cannot be the only MILSTRIP for a Line Item.
 - MILSTRIPs are only allowed for CLIN/SLIN type Line Items.

REF01 - Reference Code

TN Transaction Reference Number (MILSTRIP)

1.19 DTM Segment – Date/Time Reference, Pos. 200 – Detail

NOTES: There must be one DTM segment per transaction.

iRAPT only accepts DTM in the Shipment Loop (HL03 = S), Product Characteristics Loop (HL03 = PH) and Mark Loop (HL03 = X).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
DTM01	Date/Time Qualifier	374	3/3	M	See list below.	ID
DTM02	Date	373	8/8	M	CCYYMMDD	DT

Sample:

DTM^011^20080909

DTM^094^20100918 (Date of Manufacture)

DTM^007^20100918 (Mark Effective Date)

Notes:

- If MOCAS paid/DCMA Administered and services (N101 = “SV”) is selected, then use DTM01 = “198” instead of DTM01 = “011” for Shipped and DTM01 = “245” instead of DTM01 = “139” for Estimated.
- MOCAS, CAPS-C/W, EBS, One Pay, IAPS-E: Shipment or Estimated date is mandatory.

DTM01 - Date/Time Qualifier

Accepted in Shipment Loop (HL03 = S)

011 Shipped (Shipment Date)

139 Estimated (Estimated Ship Date)

017 Estimated Delivery Date

245 Estimated Completion Date

Accepted in Product Characteristics Loop (HL03 = PH)

511 Shelf Life Expiration Date

Accepted in UID - J Loop (HL03 = J)

007 Effective Date

Accepted in Mark Loop (HL03 = X)

094 Date of Manufacture

007 Effective Date

1.20 FOB Segment - F.O.B. Related Instructions, Pos. 210 – Detail

NOTES: There must be one instance of FOB per transaction, except when MOCAS paid/DCMA Administered and services (N101="SV") is used.

iRAPT only accepts FOB in the Shipment Loop (HL03 = S).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
FOB01	Shipment Method of Payment	146	2/2	M	iRAPT will always use "DF."	ID
FOB02	Location Qualifier	309	2/2	M	See list below.	ID

Sample:

FOB^DF^DE

FOB02 - Location Qualifiers

DE Destination

IT Intermediate FOB Point

OR Origin

1.21 N1 Segment – NAME, Pos. 220 - Detail

NOTES: There must be a minimum of four instances of N1 per transaction. iRAPT only accepts N1 in the Address Loop (HL03 = V), Item Loop (HL03 = I), Product Characteristics Loop (HL03 = PH) and Mark Loop (HL03 = X). See notes below for additional submission requirements.

If N102 is entered, follow iRAPT specific requirements below for entering Address data. If all Address Fields are left blank (N102, N2, N3 and N4) Address information will be populated as noted in the General Instructions of this guide.

When a Location Code is entered (which includes the elements N101, N103 and N104), then addressing data is not necessary.

If N102 is used, then all addressing Segments (N102, N3 and N4) must be **completed**. If Address data is being entered, these Fields at a minimum must be entered:

- For U.S. Addresses, Fields N102, N301, N401, N402, and N403 are the minimum required to complete the Address. Other Fields are optional.
- For Non-U.S. Addresses, Fields N102, N301, N401, N402, N403, and N404 are the minimum required to complete the Address. Other Fields are optional.
- For U.S. Military Addresses, Fields N102, N301, N403, N405, and N406 are the minimum required to complete the Address. Other Fields are optional.

For entry of an APO/FPO address, enter the APO/FPO Zip Code in the N403, the Military Address Indicator (i.e. AR) in the N405 and the APO/FPO code (i.e. AA, AE, or AP) in the N406.

The N1 loop may also be used to submit email addresses to which iRAPT will forward an additional workflow notice for the document. When submitting email addresses, only the N1 and PER segments should be submitted in the N1 loop.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
N101	Entity Identifier Code MOCAS and/or DCMA Administered	98	2/2	M	See list below. The relationship of a services (N101 = "SV") Receiving Report to a supplies (N101 = "ST") Commercial Invoice (and vice versa) is not allowed. To submit email addresses to which an additional workflow notice should be sent, submit "FE" in N101.	ID
N102	Name	93	1/60	C	Name	AN

					Not used when submitting email addresses to which an additional workflow notice should be sent.	
N104	Identification Code	67	5/19	C	Mandatory when submitting address data.	AN
			6/6	M	DoDAAC, CAGE, DUNS, DUNS+4, or MAPAC if applicable, plus extension if applicable. Extensions are not allowed when N101 has an identifier code of BY, C4 SU, or PR.	
			5/5	C	Card Issuing Bank Identifier – When N101="VN" and N103="31", enter the Card Issuing Bank Identifier in N104.	
			2/80	M	Manufacturer CAGE If N101="AAU" enter Marker Identifier	
					Not used when submitting email addresses to which an additional workflow notice should be sent.	
N105	Entity Relationship Code	706	N/A	N/A	Not used.	N/A
N106	Entity Identifier Code	98	2/2	C	Not used when submitting address data. Used when submitting email addresses to which an additional workflow notice should be sent. NP – Notify Party for Shipper's Order	AN

Samples:

N1^C4^^10^S0512A

N1^VN^VEN0000001^31^003021

N1^42^^33^26512 (Manufacturer CAGE)

N1^42^ManuName (Manufacturer Name)

N1^AAU^^10^FU4417 (Marker Code and Marker Identifier)

N1^FE^DCMA^^^NP (Sample for submitting email addresses)

REQUIREMENTS FOR ALL PAYMENT SYSTEMS:

- Vendor (SE) is mandatory.
- Admin DoDAAC (C4) is mandatory and must be a valid DoDAAC.
- Pay Office DoDAAC (PR) is mandatory and must be a valid Pay DoDAAC.
- Ship To DoDAAC (ST) indicates a “Supplies” receiving report, and is mandatory and must be a valid DoDAAC or CAGE, DUNS, or DUNS+4. A CAGE, DUNS, or DUNS+4 is only allowed when the Inspection and Acceptance Points in the Contract are Source/Source.
- Service Performance site (SV) indicates a “Services” receiving report, and is mandatory and must be a valid DoDAAC. N101=ST and N101=SV are mutually exclusive; both may not be used in the same transaction. For EBS, “SV” is not allowed.
- Inspect By DoDAAC (L1) is mandatory when Inspection is at Source; otherwise, it is optional. When used, it must be a valid DoDAAC.
- LPO DoDAAC (PO) is mandatory for One Pay and optional for CAPS-C/W and IAPS-E and must be a valid DoDAAC. LPO DoDAAC is not allowed on MOCAS or EBS paid contracts, or for NAVY_ERP or CRCard.
- Ship From Code (SF) is optional and can be a valid CAGE, DUNS, DUNS+4, or DoDAAC.
- Mark For Code (Z7) is optional and must be a valid CAGE, DUNS, DUNS+4, or DoDAAC.
- Issue By DoDAAC is optional and must be a valid DoDAAC. If not provided in the transaction, iRAPT will populate the contract Issue By DoDAAC from EDA if available.
- “CRCARD” may be used as a Pay DoDAAC when using a purchase card for payment.

Notes:

- Entity Identifier (N101) “L1” is required for iRAPT if LQ01 = “7” and LQ02 = “S” in the LM Loop. If the document is a Source Inspection Receiving Report, ILSMIS DoDAACs are prohibited from being used.
- Entity Identifier (N101) “SE” can only have a N103 code of “33”, “1” or “9”. If any other N103 code is used for “SE,” iRAPT rejects the transaction.

- Entity Identifier (N101) “SF” is optional, and can be either a N103 code of “33”, “1”, “9”, “10” or “A2.” If any other N103 code is used for “SF,” iRAPT rejects the transaction. Does not have to be used if same as prime contractor (SE).
- Entity Identifier (N101) “SU” can be either N103 = “1”, “9”, or “33”.
- Mark for at the Item Loop (HL03 = Z7) is only used on when the Accept By location is DSS, the Admin is non DCMA, and the Pay System is ‘EBS’. If it is given for any other scenario, this field will be ignored.
- A Contractor DoDAAC may be submitted in any field where a CAGE, DUNS, or DUNS+4 is permitted except where N101 = SE for Vendor or N101 = SU.

N101 Codes (C4, PR, SE, and ST or SV minimum submission requirement)

Accepted in Address Loop (HL03 = V)

BY	Buying Party (Issue By DoDAAC)	SF	Ship From
C4	Contract Administration Office (Admin DoDAAC)	ST	Ship To
L1	Inspection Location (Inspect By DoDAAC)	SV	Service Performance Site
PO	To Receive Invoice Goods/Services (LPO)	VN	Vendor Identifier
PR	Payer (Pay DoDAAC)	Z7	Mark for Party
SE	Selling Party (Cage of Vendor)	FE	Mail Address
KZ	Acceptance Location		

Accepted in Product Characteristics Loop (HL03 = PH)

SU Supplier/Manufacturer

Accepted in Item Loop (HL03 = I)

Z7 Mark for Party

Accepted in Mark Loop (HL03 = X)

42 Component Manufacturer
AAU Marker Owner

N106 - Entity Identifier Code

NP – Notify Party for Shipper’s Order

1.22 N2 Segment – Additional Name, Pos. 230 – Detail

NOTES: There may be one instance of N2 per N1 Loop.

iRAPT only accepts N2 in the Address Loop (HL03 = V).

Refer to Address rules for iRAPT, noted in N1 Segment.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
N201	Name – free form	93	1/60	C M	Name Activity 2 Manufacturer Name – This will be appended to the Name given in N102 when N101 = 42	AN
N202	Name – free form	93	1/60	O	Name Activity 3 Manufacturer Name – This will be appended to the Name given in N201	AN

Sample:

N2^Name Activity 2

N2^ManuName2^ManuName3 (Manufacturer Name continued)

1.23 N3 Segment – Address Information, Pos. 240 – Detail

NOTES: There may be one or two instances of N3 per N1 Loop.

iRAPT only accepts N3 in the Address Loop (HL03 = V).

Refer to Address rules for iRAPT, noted in N1 Segment.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
N301	Address Information	166	1/55	C		AN
N302	Address Information	166	1/55	O		AN

Sample:

N3^Address Information

1.24 N4 Segment – Geographic Information, Pos. 250 – Detail

NOTES: There may be one instance of N4 per N1 Loop.

iRAPT only accepts N4 in the Address Loop (HL03 = V).

Refer to Address rules for iRAPT, noted in N1 Segment.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
N401	City Name	19	2/30	C		AN
N402	State or Province Code	156	2/2	C	If a non-US address does not have a value for N402 (State or Province), use NA (not applicable).	ID
N403	Postal Code	116	3/15	C	If the Ship To Address is an APO or FPO, then cite the APO or FPO Zip Code.	ID
N404	Country Code	26	2/2	C		ID
N405	Location Qualifier	309	2/2	C	Enter AR for Armed Service Location Designator (for APO/FPO).	ID
N406	Location Identifier	310	2/6	C	Enter APO/FPO and 2 letter code (i.e. AA, AE, or AP) AA Miami AE New York AP San Francisco Example: FPO AP, APO AE	AN

Samples:

US Address

N4^Orlando^FL^32043

Non-US Address

N4^Madrid^^28000^SP

US Military Address

N4^^^96612-2872^^AR^FPO AP (i.e. Ship Address: USS ABRAHAM LINCOLN CVN 72 FPO AP 96612-2872)

N405 - Location Identifier

AR Armed Service Location Destination (Use to indicate an APO or an FPO)

Note:

If an APO/FPO Address is being entered, the Vendor must enter the information (noted above in notes section) in the N403, N405, and N406.

1.25 PER Segment – Administrative Communications Contact, Pos. 270 – Detail

NOTES: There must be one instance of PER for each transaction.

iRAPT only accepts PER in the Address Loop (HL03 = V).

PER must be entered as part of the N1 Loop for SE (Selling Party) code to identify the user submitting the transaction – User ID.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
PER01	Contact Function Code	366	2/2	M	See list below.	ID
PER02	Name	93	8/30	C	Mandatory when submitting the N1 Loop for Payee. iRAPT User ID: This User ID is for the individual responsible for the document/transaction being submitted. The User ID is the personal iRAPT User ID for Web access. Not used when submitting the N1 Loop for email addresses.	AN
PER03	Communication Number Qualifier	365	2/2	C	Only used when submitting the N1 Loop for email addresses. EM – Electronic Mail	ID
PER04	Communication Number	364	1/80	C	Only used when submitting the N1 Loop for email addresses. Enter email address.	AN
PER05	Communication Number Qualifier	365	2/2	C	Only used when submitting the N1 Loop for email addresses. EM – Electronic Mail	ID
PER06	Communication Number	364	1/80	C	Only used when submitting the N1	AN

					Loop for email addresses. Enter email address.	
PER07	Communication Number Qualifier	365	2/2	C	Only used when submitting the N1 Loop for email addresses. EM – Electronic Mail	ID
PER08	Communication Number	364	1/80	C	Only used when submitting the N1 Loop for email addresses. Enter email address.	AN

Samples:

PER^IC^PSKJ2400

PER^CN^^EM^john@gmail.com^EM^jane@gmail.com^EM^mark@gmail.com

Notes:

iRAPT will ignore codes other than the ones noted below.

When submitting email addresses, the PER segment may be repeated up to three times per N1 Loop, allowing for a total of nine email addresses.

PER01 - Contact Function Code

IC Information Contact

CN General Contract

1.26 SDQ Segment – Destination Quantity, Pos. 290 – Detail

NOTES: There may be one or more instances of SDQ per transaction. This Segment is only used when HL03 = P and may be repeated a maximum of 50 instances per HL03 = P Loop to report multiple CLINS if necessary with pack data. Use this segment in conjunction with the REF segment, Pos. 150 when REF01=JH.

When Multi-Box Indicator applies (SLN08=A when HL03=I), the same CLIN/SLIN and associated quantity may be repeated with more than one RFID pack (see samples below). If UID pertains, it will also be repeated in the RFID Pack Loop, HL03=P.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SDQ01	Unit or Basis for Measurement Code	355	2/2	M	iRAPT only accepts "ZZ".	ID
SDQ02	ID Code Qualifier	66	N/A	N/A	Not used.	N/A
SDQ03	ID Code	67	2/80	O	Enter the CLIN/SLIN associated with the RFID in HL03=P RFID Loop. If characters are sent in lowercase, then they will be converted to uppercase.	AN
SDQ04	Quantity	380	1/11	O	Quantity of the CLIN/SLIN associated with the RFID in HL03=P RFID Loop as noted in the SDQ03.	R8.2
SDQ05	ID Code	67	2/80	O		AN
SDQ06	Quantity	380	1/11	O		R8.2
SDQ07	ID Code	67	2/80	O		AN
SDQ08	Quantity	380	1/11	O		R8.2
SDQ09	ID Code	67	2/80	O		AN
SDQ10	Quantity	380	1/11	O		R8.2
SDQ11	ID Code	67	2/80	O		AN
SDQ12	Quantity	380	1/11	O		R8.2
SDQ13	ID Code	67	2/80	O		AN
SDQ14	Quantity	380	1/11	O		R8.2
SDQ15	ID Code	67	2/80	O		AN
SDQ16	Quantity	380	1/11	O		R8.2
SDQ17	ID Code	67	2/80	O		AN
SDQ18	Quantity	380	1/11	O		R8.2
SDQ19	ID Code	67	2/80	O		AN

SDQ20	Quantity	380	1/11	O		R8.2
SDQ21	ID Code	67	2/80	O		AN
SDQ22	Quantity	380	1/11	O		R8.2
SDQ23	Location Identifier	310	1/30	O		AN

Sample:

SDQ^ZZ^^0001^2

To report multiple CLINs exceeding the size of one SDQ Segment:

SDQ^ZZ^^0001^2^0002^3^0003^4^0004^5^0005^6^0006^3^0007^4^0008^2^0009^2^0010^3

SDQ^ZZ^^0011^2^0012^2^0013^2^0014^2^0015^2^0016^2^0017^2^0018^2^0019^2^0020^2

For Multi-Box Pack with no UIIs:

HL^3^2^I^1
 LIN^5002^FS^6610016781234
 SN1^^1^EA
 SLN^1^^O^^25.00^^A
 <rest of Line Item segments>
 HL^5^2^P
 REF^JH^^CE71133E31FC9235
 SDQ^ZZ^^5002^1
 HL^6^2^P
 REF^JH^^CE71133E31FC9246
 SDQ^ZZ^^5002^1
 HL^7^2^P
 REF^JH^^CE71133E31FC9257
 SDQ^ZZ^^5002^1

Multi Box Pack with UIIs:

HL^3^2^I^1
 LIN^5002^FS^6610016781234
 SN1^^1^EA
 SLN^1^^O^^25.00^^A
 <rest of line item loop>
 HL^4^3^D^0
 SLN^1^^O^1^EA^25.00^^KF^UID2^MF^13499^MG^PART4598^XZ^D^^VU^13499^DS^D
 REF^U3^3000578^D13499PART45983000578
 HL^5^2^P
 REF^JH^^CE71133E31FC9235
 REF^U3^^D13499PART45983000578^W9:Yes
 SDQ^ZZ^^5002^1
 HL^6^2^P
 REF^JH^^CE71133E31FC9246
 REF^U3^^D13499PART45983000578
 SDQ^ZZ^^5002^1

1.27 CUR Segment – Currency, Pos. 310 – Detail

NOTES: There may be one instance of CUR Segment per transaction.

iRAPT only accepts the CUR Segment in the Shipment Loop (HL03 = S).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
CUR01	Entity ID Code	98	2/2	M	iRAPT only accepts "BY" for Buying Party (Purchaser). "BY" must be capitalized.	ID
CUR02	Currency Code	100	3/3	M		ID

Sample:

CUR^BY^EUR

Notes:

Currency codes that allow exactly two positions to the right of the decimal may be submitted via EDI.

Currency codes that allow greater than two positions to the right of the decimal may NOT be submitted via EDI.

Currency codes that allow zero or one position to the right of the decimal may be submitted via EDI, however, the following rules will be applied:

- When the amount field is defined as a numeric field (N2), the decimal positions must be submitted with one or two zeros as needed to meet the X12 requirement that exactly two decimals are required for N2 fields.
- When the amount field is defined as a decimal number field (R) or an alpha/numeric string (AN),
 - The system will pad zeroes to right of the decimal point up to the number of digits allowed for a Currency Code.
 - The system will drop zeroes to the right of the decimal point if they exceed the number of digits allowed for a Currency Code.
 - If a non-zero number is given to the right of the maximum number of allowable decimal places as specified by the Currency Code, an error will be given.

1.28 SAC Segment – Service, Promotion, Allowance or Charge Info, Pos 320 – Detail

NOTES: There may be one instance of SAC per transaction.

iRAPT only accepts SAC in the Shipment Loop (HL03 = S).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SAC01	N = No charge or Allowance	248	1/1	O	iRAPT will always use "N."	ID
SAC02	Service Promotion Allowance or Charge Code	1300	4/4	C	iRAPT will only accept "B020".	ID

Sample:

SAC^N^B020

Notes:

- iRAPT requires that Vendor agrees to statement in attachment (COC.doc). Please refer to the iRAPT Website: FTP/EDI Guides & Other Supporting Documents to view.
- SAC01 only allows for "N". iRAPT will generate a message to the Vendor telling them that the Field was ignored upon save if any other characters is sent in the SAC01.
- COC is only allowed for Source/Source and Source/Destination Documents. This Field is not allowed on Destination/Destination Documents.
- COC is optional for Receiving Reports. Attachments are not required
- Alternate Release Procedures (ARP, REF01=RE, HL03=S) and Certificate of Conformance (COC) in SAC Segment are mutually exclusive. Both are optional but only one may be reported.

1.29 LM Segment – Code Source Information, Pos. 340 – Detail

NOTES: There must be one instance of LM in the Shipment Loop (HL03=S) per transaction to identify the inspection and acceptances information. See definitions in LQ segment.

There may be one instance used in the Line Item Loop (HL03=I).

iRAPT only accepts LM in the Shipment Loop (HL03 = S) and Line Item Loop (HL03 = I).

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
LM01	Agency Qualifier Code	559	2/2	M	See list below.	ID

Sample:

LM^DF

LM01 - Agency Qualifier Code

DF Department of Defense (DoD)

1.30 LQ Segment – Industry Code, Pos. 350 – Detail

Loop ID: LM (This is an internal Loop of HL Loop)

NOTES: There must be two instances of LQ per LM Loop at the shipment level, LQ01 = 7 or 8 and LQ02 = S or D.

iRAPT only accepts LM/LQ in the Shipment Loop (HL03 = S) and Line Item Loop (HL03 = I).

GFE is not permitted and will be ignored in the LQ Segment if the CDRL Indicator (REF02 when REF01="E9") is "Y".

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
LQ01	Code List Qualifier Code	1270	1/2	O	See list below.	ID
LQ02	Industry Code	1271	1/1	O	See list below.	AN

Sample:

LQ^6^E

Shipment Loop (HL03=S)

- iRAPT only accepts LQ01 = "7" or "8".
- Inspection/Acceptance points LQ01 = 7 or 8 and LQ02 = S or D, can be Source/Source, Source/Destination, or Destination/Destination. These are mandatory for Receiving Reports. iRAPT will not accept the combination of LQ01 = 7 and LQ02 = D and LQ01 = 8 and LQ02 = S.
- When Acceptance is performed at a destination other than the Ship To DoDAAC, use N101=KZ with the appropriate Acceptor DoDAAC in N104. (Never use a CAGE code in this instance)
- When Acceptance at "Other" DoDAAC is used (N101 = KZ), the Acceptance Point in iRAPT will be changed to "O". The appropriate code will be generated to the payment system.
- For Source Inspection/Other Acceptance use Source/Destination
- For Destination Inspection/Other Acceptance use Destination/Destination
- For Source Inspection/Source Acceptance (LQ02 = S where LQ01 = 7 and where LQ01 = 8), if an Accept By DoDAAC (N101 = KZ) is entered, it must match the Inspect By DoDAAC (N101 = L1).

Item Loop (HL03=I):

- iRAPT only accepts LQ01 = “6” or “14” in the Line Item Loop (HL03 = I).
- To indicate an item is Shipped in Place at the contractor facility and GFE/P Is NOT incorporated into the shipment use:
 - LQ01 = 14 and LQ02 = G
- To indicate an item is Shipped in Place at the contractor facility and GFE/P is Incorporated into the shipment use:
 - LQ01=6 and LQ02 = E and LQ01 = 14 and LQ02 = G
- To indicate GFE/P has been incorporated in the shipment use:
 - LQ01 = 6 and LQ02 = E
- If MOCAS paid or DCMA administered and services (N101 = “SV”) is selected, then Contract Shipment Advice Code data (LQ01 = “14”) and Special Contract Provision Code data (LQ01 = ‘6’) is not used.
- iRAPT will ignore any other codes than those listed below.
- iRAPT industry codes for LQ02 are listed below. Please refer to definitions below.

LQ01 - Code List Qualifier Code**Shipment Level**

- 7 Quality Assurance Site Code (Shipment Loop)
- 8 Acceptance Site Code (Shipment Loop)

Detail Level

- 6 Special Contract Provision Code (LIN Loop)
- 14 Contract Shipment Advice Code (LIN Loop)

LQ02 - Industry Codes**Shipment Level**

- D Destination or Other (7 or 8)
- S Origin/Source (7 or 8)

Detail Level

- E Government Furnished Property (6)
- A Components Missing (14)
- B Missing Components Furnished (14)
- C Quantity Increase (14)
- D Quantity Decrease (14)
- E Replacement (14)
- F Shipped and held in bond at contractor's plant (14)
- G Shipped and held as GFP (14)
- H Shipped/Performed as Required (14)
- Z Underrun Quantity (14)

1.31 SE Segment – Transaction Set Trailer, Pos. 020 – Summary

NOTE: There must be one instance of SE per transaction.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SE01	Number of Included Segments	96	1/10	M	Total number of Segments, including ST and SE.	N0
SE02	Transaction Set Control Number	329	4/9	M	Same number cited in ST02 must be used.	AN

Sample:

SE^250^0012

Samples:

Single CLIN in a Single Case

```

ST^856^0001
BSN^00^DIS0001^20080720^1130^^AS
HL^1^^V^1
HL^2^1^S^1
HL^3^2^I^1
    LIN^0001^VP^ABC
    SN1^^4^EA
HL^4^3^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00001^(UID 1)
    REF^U3^00002^(UID 2)
    REF^U3^00003^(UID 3)
    REF^U3^00004^(UID 4)
HL^5^4^J^0
SLN^^^^^^55^^^MG^Part1
DTM^007^20080101
RFID #1
HL^6^2^P
REF^JH^^(RFID #1)
REF^U3^^(UID1)
REF^U3^^(UID2)
REF^U3^^(UID3)
REF^U3^^(UID4)
SDQ^ZZ^^0001^4 (Note, the numeral 4 indicates the number of Units of Measure of CLIN 0001
in this case/pack)
    
```

Single CLIN in Multiple Cases within an Outer Case

```

ST^856^0001
BSN^00^DIS0001^20080720^1130^^AS
HL^1^^V^1
HL^2^1^S^1
HL^3^2^I^1
    LIN^0001^VP^ABC
    SN1^^4^EA
HL^4^3^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00001^(UID 1)
    REF^U3^00002^(UID 2)
    REF^U3^00003^(UID 3)
    REF^U3^00004^(UID 4)
RFID #1
HL^5^2^P
    
```

REF^JH^(RFID #1)

RFID #2

HL^6^5^P

REF^JH^(RFID #2)

REF^U3^(UID 1)

REF^U3^(UID 2)

SDQ^ZZ^0001^2

RFID #3

HL^7^5^P

REF^JH^(RFID #3)

REF^U3^(UID 3)

REF^U3^(UID 4)

SDQ^ZZ^0001^2

Multiple CLINS in a Single Case

ST^856^0001

BSN^00^DIS0001^20080720^1130^^AS

HL^1^^V^1

HL^2^1^S^1

HL^3^2^I^1

LIN^0001^VP^ABC

SN1^^4^EA

HL^4^3^D^0

SLN^1^^O^1^EA^\$\$\$\$\$^^^KF^UID1^MF^06481^XZ^D

REF^U3^00001^(UID 1)

REF^U3^00002^(UID 2)

REF^U3^00003^(UID 3)

REF^U3^00004^(UID 4)

HL^5^2^I^1

LIN^0002^VP^DEF

SN1^^4^EA

HL^6^5^D^0

SLN^1^^O^1^EA^\$\$\$\$\$^^^KF^UID1^MF^06481^XZ^D

REF^U3^00005^(UID5)

REF^U3^00006^(UID6)

REF^U3^00007^(UID7)

REF^U3^00008^(UID8)

HL^7^2^I^1

LIN^0003^VP^GHI

SN1^^2^EA

HL^8^7^D^0

SLN^1^^O^1^EA^\$\$\$\$\$^^^KF^UID1^MF^06481^XZ^D

REF^U3^00009^(UID9)

REF^U3^00010^(UID10)

HL^9^2^I^1
 LIN^0004^VP^JKL
 SN1^^2^EA
 HL^10^9^D^0
 SLN^1^^O^1^EA^\$\$\$\$\$^^^KF^UID1^MF^06481^XZ^D
 REF^U3^00011^(UID11)
 REF^U3^00012^(UID12)
 RFID #1
 HL^11^2^P
 REF^JH^^(RFID #1)
 REF^U3^^(UID 1)
 REF^U3^^(UID 2)
 REF^U3^^(UID 3)
 REF^U3^^(UID 4)
 REF^U3^^(UID 5)
 REF^U3^^(UID 6)
 REF^U3^^(UID 7)
 REF^U3^^(UID 8)
 REF^U3^^(UID 9)
 REF^U3^^(UID 10)
 REF^U3^^(UID 11)
 REF^U3^^(UID 12)
 SDQ^ZZ^^0001^4^0002^4^0003^2^0004^2

Multiple CLINS in Multiple Cases with a Single CLIN per Case and a Single Case per CLIN

ST^856^0001
 BSN^00^DIS0001^20080720^1130^^AS
 HL^1^^V^1
 HL^2^1^S^1
 HL^3^2^I^1
 LIN^0001^VP^ABC
 SN1^^4^EA
 HL^4^3^D^0
 SLN^1^^O^1^EA^\$\$\$\$\$^^^KF^UID1^MF^06481^XZ^D
 REF^U3^(UID1)
 REF^U3^(UID2)
 REF^U3^(UID3)
 REF^U3^(UID4)
 HL^5^2^I^1
 LIN^0002^VP^DEF
 SN1^^4^EA
 HL^6^5^D^0
 SLN^1^^O^1^EA^\$\$\$\$\$^^^KF^UID1^MF^06481^XZ^D
 REF^U3^00001^(UID5)

```

        REF^U3^00002^(UID6)
        REF^U3^00003^(UID7)
        REF^U3^00004^(UID8)
    HL^7^2^I^1
        LIN^0003^VP^GHI
        SN1^^2^EA
    HL^8^7^D^0
        SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
        REF^U3^00005^(UID9)
        REF^U3^00006^(UID10)
    HL^9^2^I^1
        LIN^0004^VP^JKL
        SN1^^2^EA
    HL^10^9^D^0
        SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
        REF^U3^00007^(UID11)
        REF^U3^00008^(UID12)
    RFID #1
    HL^11^2^P
    REF^JH^^(RFID #1)
    REF^U3^^(UID1)
    REF^U3^^(UID 2)
    REF^U3^^(UID 3)
    REF^U3^^(UID 4)
    SDQ^ZZ^^0001^4
    RFID #2
    HL^12^2^P
    REF^JH^^(RFID #2))
    REF^U3^^(UID 5)
    REF^U3^^(UID 6)
    REF^U3^^(UID 7)
    REF^U3^^(UID 8)
    SDQ^ZZ^^0002^4
    RFID #3
    HL13^2^P
    REF^JH^^(RFID #3)
    REF^U3^^(UID 9)
    REF^U3^^(UID 10)
    SDQ^ZZ^^0003^2
    Pack #4
    HL^14^2^P
    REF^JH^^(RFID #4)
    REF^U3^^(UID 11)
    REF^U3^^(UID 12)
    SDQ^ZZ^^0004^2
    
```

Multiple CLINs in Multiple Cases with a Single CLIN per Case and Multiple Cases per CLIN

```

ST^856^0001
BSN^00^DIS0001^20080720^1130^^AS
HL^1^^V^1
HL^2^1^S^1
HL^3^2^I^1
    LIN^0001^VP^ABC
    SN1^^4^EA
HL^4^3^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00001^(UID1)
    REF^U3^00002^(UID2)
    REF^U3^00003^(UID3)
    REF^U3^00004^(UID4)
HL^5^2^I^1
    LIN^0002^VP^DEF
    SN1^^4^EA
HL^6^5^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00005^(UID5)
    REF^U3^00006^(UID6)
    REF^U3^00007^(UID7)
    REF^U3^00008^(UID8)
HL^7^2^I^1
    LIN^0003^VP^GHI
    SN1^^2^EA
HL^8^7^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00009^(UID9)
    REF^U3^00010^(UID10)
HL^9^2^I^1
    LIN^0004^VP^JKL
    SN1^^2^EA
HL^10^9^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00011^(UID11)
    REF^U3^00012^(UID12)
RFID #1
HL^11^2^P
    REF^JH^^(RFID#1)
    REF^U3^^(UID1)
    REF^U3^^(UID2)
    SDQ^ZZ^^0001^2
RFID #2
HL^12^2^P
    REF^JH^^(RFID#2)
    
```

```

    REF^U3^(UID 3)
    REF^U3^(UID 4)
    SDQ^ZZ^0001^2
RFID #3
HL^13^2^P
    REF^JH^(RFID#3)
    REF^U3^(UID 5)
    REF^U3^(UID 6)
    REF^U3^(UID 7)
    REF^U3^(UID 8)
    SDQ^ZZ^0002^4
RFID #4
HL^14^2^P
    REF^JH^(RFID#4)
    REF^U3^(UID 9)
    REF^U3^(UID 10)
    SDQ^ZZ^0003^2
RFID #5
HL^15^2^P
    REF^JH^(RFID#5)
    REF^U3^(UID 11)
    REF^U3^(UID 12)
    SDQ^ZZ^0004^2
    
```

Multiple CLINS in Multiple Cases with Multiple CLINs per Case and a Single Case per CLIN

```

ST^856^0001BSN^00^DIS0001^20080720^1130^^AS
HL^1^^V^1
HL^2^1^S^1
HL^3^2^I^1
    LIN^0001^VP^ABC
    SN1^^4^EA
HL^4^3^D^0
    SLN^1^^O^1^EA^$$$$$^^KF^UID1^MF^06481^XZ^D
    REF^U3^00001^(UID1)
    REF^U3^00002^(UID2)
    REF^U3^00003^(UID3)
    REF^U3^00004^(UID4)
HL^5^2^I^1
    LIN^0002^VP^DEF
    SN1^^4^EA
HL^6^5^D^0
    SLN^1^^O^1^EA^$$$$$^^KF^UID1^MF^06481^XZ^D
    REF^U3^00005^(UID5)
    REF^U3^00006^(UID6)
    REF^U3^00007^(UID7)
    
```

```

    REF^U3^00008^(UID8)
HL^7^2^I^1
    LIN^0003^VP^GHI
    SN1^^2^EA
HL^8^7^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00009^(UID9)
    REF^U3^00019^(UID10)
HL^9^2^I^1
    LIN^0004^VP^JKL
    SN1^^2^EA
HL^10^9^D^0
    SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
    REF^U3^00011^(UID11)
    REF^U3^00012^(UID12)

```

```

RFID #1
HL^11^2^P
    REF^JH^^(RFID#1)
    REF^U3^^(UID 1)
    REF^U3^^(UID 2)
    REF^U3^^(UID 3)
    REF^U3^^(UID 4)
    REF^U3^^(UID 9)
    REF^U3^^(UID 10)
    SDQ^ZZ^^0001^4^0003^2

```

```

RFID #2
HL^12^2^P
    REF^JH^^(RFID#2)
    REF^U3^^(UID 5)
    REF^U3^^(UID 6)
    REF^U3^^(UID 7)
    REF^U3^^(UID 8)
    REF^U3^^(UID 11)
    REF^U3^^(UID 12)
    SDQ^ZZ^^0002^4^0004^2

```

Multiple CLINS in Multiple Cases with Multiple CLINs per Case and Multiple Cases per CLIN on a Pallet

```

ST^856^0001
BSN^00^DIS0001^20080720^1130^^AS
HL^1^^V^1
HL^2^1^S^1
HL^3^2^I^1
    LIN^0001^VP^ABC

```

```

        SN1^^4^EA
HL^4^3^D^0
        SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
        REF^U3^00001^(UID1)
        REF^U3^00002^(UID2)
        REF^U3^00003^(UID3)
        REF^U3^00004^(UID4)
HL^5^2^I^1
        LIN^0002^VP^DEF
        SN1^^4^EA
HL^6^5^D^0
        SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
        REF^U3^00005^(UID5)
        REF^U3^00006^(UID6)
        REF^U3^00007^(UID7)
        REF^U3^00008^(UID8)
HL^7^2^I^1
        LIN^0003^VP^GHI
        SN1^^2^EA
HL^8^7^D^0
        SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
        REF^U3^00009^(UID9)
        REF^U3^00010^(UID10)
HL^9^2^I^1
        LIN^0004^VP^JKL
        SN1^^2^EA
HL^10^9^D^0
        SLN^1^^O^1^EA^$$$$$^^^KF^UID1^MF^06481^XZ^D
        REF^U3^00011^(UID11)
        REF^U3^00012^(UID12)
RFID #5 HL^11^2^P
RFID #1
HL^12^11^P
        REF^JH^(RFID#1)
        REF^U3^(UID1)
        REF^U3^(UID2)
        REF^U3^(UID3)
        REF^U3^(UID9)
        SDQ^ZZ^^0001^3^0003^1
RFID #2
HL^13^11^P
        REF^JH^(RFID#2)
        REF^U3^(UID 4)
        REF^U3^(UID 10)
        SDQ^ZZ^^0001^1^0003^1
RFID #3
    
```

```

HL^14^11^P
  REF^JH^(RFID#3)
  REF^U3^(UID 5)
  REF^U3^(UID 6)
  REF^U3^(UID 7)
  SDQ^ZZ^0002^3
RFID #4
HL^15^11^P
  REF^JH^(RFID#4)
  REF^U3^(UID 8)
  REF^U3^(UID 11)
  REF^U3^(UID 12)
  SDQ^ZZ^0002^1^00004^2
    
```

This is a sample for 1 item packed in 3 boxes:

```

ST*856*DCMN307
BSN*00*DCMN307*20080310*1615**AS
HL*1**V*1
N1*SE**33*13499
PER*IC*DCMAVEND
N1*C4**10*SUK12A
N1*L1**10*SUK12A
N1*SF**33*13499
N1*PR**10*HQ0339
N1*ST**10*N00383
HL*2*1*S*1
PRF*F0960308C9721
TD1*****50*LB
TD5****J
REF*BL*78953256
REF*RE*Y
DTM*011*20080310
FOB*DF*OR
LM*DF
LQ*7*S
LQ*8*S
HL*3*2*I*1
LIN*5002*FS*6610016781234
SN1**1*EA
SLN*1**O****25.00**A
PID*F*****A badminton game set
PID*F*****ONE UII PACK INDICATOR
LM*DF
LQ*6*E
HL*4*3*D*0
    
```

SLN*1**O*1*EA*25.00***KF*UID2*MF*13499*MG*PART4598*XZ*D***VU*13499*DS
 *D
 REF*U3*3000578*D13499PART45983000578
 HL*5*2*P
 REF*JH**CE71133E31FC9235
 REF*U3**D13499PART45983000578*W9:Yes
 SDQ*ZZ**5002*1
 HL*6*2*P
 REF*JH**CE71133E31FC9246
 REF*U3**D13499PART45983000578
 SDQ*ZZ**5002*1
 HL*7*2*P
 REF*JH**CE71133E31FC9257
 REF*U3**D13499PART45983000578
 SDQ*ZZ**5002*1
 SE*45*D

This EDI sample is also 1 item packed in 3 boxes:

ST*856*DCMN307
 BSN*00*DCMN307*20080310*1615**AS
 HL*1**V*1
 N1*SE**33*13499
 PER*IC*DCMAVEND
 N1*C4**10*SUK12A
 N1*L1**10*SUK12A
 N1*SF**33*13499
 N1*PR**10*HQ0339
 N1*ST**10*N00383
 HL*2*1*S*1
 PRF*F0960308C9725
 TD1*****50*LB
 TD5****J
 REF*BL*78953256
 REF*RE*Y
 DTM*011*20080310
 FOB*DF*OR
 LM*DF
 LQ*7*S
 LQ*8*S
 HL*3*2*I*1
 LIN*5002*FS*6610016781234
 SN1**1*EA
 SLN*1**O***25.00**A
 PID*F****DCMN307 - UID2 WITHOUT ORIGINAL MANUFACTURING
 PID*F****ONE UII PACK INDICATOR

LM*DF
LQ*6*E
HL*4*3*D*0
SLN*1**O*1*EA*25.00***KF*UID2*MF*13499*MG*PART4598*XZ*D***VU*13499*DS
*D
REF*U3*3000578*D13499PART45983000578
HL*5*2*P
REF*JH**CE71133E31FC9235
SDQ*ZZ**5002*1
HL*6*2*P
REF*JH**CE71133E31FC9246
SDQ*ZZ**5002*1
HL*7*2*P
REF*JH**CE71133E31FC9257
REF*U3**D13499PART45983000578*W9:Yes
SDQ*ZZ**5002*1
SE*43*DCMN307