

WideAreaWorkFlow

e-Business Suite



EDI Guide - Appendix P 856 Update - Pack/Rfid and Transportation Information

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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.
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	10/24/13	WIT Issue 3424 v5.5 OAT 1 Updated LIN Segment samples to include LIN02 and LIN03 on pages 31 and 32.
5.6.0-1	01/07/14	WAWF-215 Updated to Version 5.6.0, August 2014
5.6.0-2	01/21/14	WAWF-236 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.
5.6.0-3	02/11/14	WAWF-62 Added code "TH" to REF01 and Transportation Account Code to REF02 to REF Pos.150; Added sample and code to list Added Fields TD109 and TD110 to TD1 Pos.110 for Cube; Added sample
5.6.0-4	04/06/14	WAWF-323 ECP0761 - FTP/EDI Guide Updates LIN Pos. 020, LIN01: Added "The letters "I" and "O" may not be used within the Line Item Number."
5.6.0-5	03/18/14	WAWF-487 WIT Issue 3758 v5.6 FTP Guide - Appendix A - Line 16 All Stock Part Number references updated to Product/Service ID and Stock Part Number Type references to Product/Service ID Qualifier.
5.6.0-6	04/24/14	WAWF-878 ECP_0764 - Guide updates for Product/Service ID length LIN Pos.020: LIN03 updated Max length to 48 and Notes 3 rd bullet at bottom to 13/13 for "FS"
5.6.0-7	04/24/14	WAWF-861 WIT Issue 3951 v5.6 SIT ECP 764 5.6b1f2: Guide issues for

		Product/Service ID LIN Pos.020: LIN02 – Added note to refer to Lookup list on web; Removed list of Product/Service ID Qualifiers from the bottom
5.6.0-8	05/19/14	WAWF-861 WIT Issue 3951 v5.6 SIT ECP 764 5.6b1f2: Guide issues for Product/Service ID Removed "iRAPT Payment System Edit Notes" from the LIN segment
5.6.0-9	05/20/14	WAWF-1007 Updated Delivery Order Nos. to 0015 on header
5.6.0-10	07/08/14	WAWF-1283 Updated to Version 5.6.0, October 2014
5.6.0-11	07/17/14	IUID-503 LIN Pos.020, 3rd 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.'
5.6.0-12	07/29/14	IUID-503 LIN Pos.020, 3rd Bullet: Added "ID" after second Product/Service
5.6.0-13	08/19/14	WAWF-1449 PRF Pos.050- 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
5.7.0-2	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	02/20/15	WAWF-1908 ECP0794 guide updates PRF pos. 050- PRF01: Added DoD Contract (FAR) and 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
5.8.0-1	06/23/15	WAWF-2407 Updated to Version 5.8.0, November 2015
5.8.0-2	07/06/15	WAWF-2427 ECP0794 PRF pos. 050-

		Updated fiscal year in PRF01 and PRF02 Contract Number and Delivery Order Edits
5.9.0-1	12/17/15	WAWF-2762 Updated version to 5.9.0, updated deployment date to June 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 the reporting information via EDI, into iRAPT, including UID, Pack/Rfid and Transportation 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.

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: <ul style="list-style-type: none"> 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 (e.g., if “N2,” then. 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** Alpha/Numeric String
- **DT** All date Fields use this format: CCYYMMDD
- **TM** All time Fields use the format: HHMMSS; or, HHMMSS; or, HHMMSSD; or HHMMSSDD

The Segments noted in this EDI guide are only required for the “UPDATE” of the document.

- If a Vendor utilizes an original EDI 856 and modifies the original data to include the “UPDATED” information, iRAPT will ignore any data that is not required for the “UPDATE.”

- iRAPT will only read the Segments required for the “UPDATE” if an “UPDATE” document is submitted. iRAPT will not reject, (only ignore) the document if Segments not required for “UPDATE” are transmitted. Note: Vendors cannot do a correction of a document with an “UPDATE”.

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.
- iRAPT will ignore Segments other than the twelve (12) Segments defined in this guide used to send Update Pack/RFID and Transportation data.
- 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.

1.1 ST Segment – Transaction Set Header, Pos. 010 – Header**NOTE:** There must be one instance of ST per transaction set.

<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 BSN per transaction set.

<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	“EX” Final Loading Configuration	ID
BSN02	Shipment Identification	396	2/22	M	Shipment Number The Shipment Number submitted must match the Shipment Number sent in the original EDI file noting that the PACK Data/RFID information would be sent later.	AN
	MOCAS, EBS		7/8	M	Prefixes ‘SER’ and ‘BVN’ are not allowed.”	
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	649	2/2	M	“AS” Shipment Advice Contractor Receiving Report	ID
BSN07	Status Reason Code	641	3/3	O	“C20” Complete “INP” Incomplete – In Progress See note below.	ID

Sample:

BSN^EX^DIS0001Z^20080101^1200^^AS^C20 (RFID info sent as addendum)

BSN^EX^DIS0001Z^20080101^1200^^AS^C20 (Updates are complete)

BSN^EX^DIS0001Z^20080101^1200^^AS^INP (Updates are not complete)

Note:

- iRAPT will reject all transactions with all other codes except the following: Use “C20” in BSN07 only with BSN01 Code “EX” and BSN06 code “AS” to report that Pack/RFID and Transportation information is provided in this report as an addendum to a previously submitted Shipment report.
- When submitting Pack and/or Transportation Data Update transactions, BSN07 is an optional field and is not used by iRAPT to determine if the updates are complete. Instead, iRAPT analyzes the data submitted in the transaction. If the Pack Data segments are submitted (HL03 = P Loop) and the Pack Later indicator was set on the document, the pack data will be added and the Pack Later indicator will be turned off on the document. If the Transportation Data segments are submitted (TD5 in the HL03 = S Loop) and the Transportation Later indicator was set on the document, the transportation data will be added and the Transportation Indicator will be turned off on the document.

BSN07

INP Incomplete – In Progress

C20 Complete

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

LOOP ID: HL – may Loop 1 to 200,000 times

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

iRAPT only accepts one instance of the Address Loop, one instance of the Shipment Loop, and multiple instances of the Line Item and Pack/RFID 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>
HL01	Hierarchical ID Number	628	1/12	O	In the first Loop, cite number 1. Increased by one each subsequent Loop.	AN
HL02	Hierarchical Parent ID Number	734	1/12	O	For second Loop, (Shipment) cite the first Loop to identify the Address associated with Shipment. Line Item level loop is only used when submitting multi-box pack indicators. Pack/RFID Loop is repeated as necessary.	AN
HL03	Hierarchical Level Code	735	1/1	M	Defines characteristic of a level in a hierarchical structure. See list below.	ID
HL04	Hierarchical Child Code	736	1/1	O	Indicates if there are subordinate Segments to the structure. See list below. If HL03 = P, then HL04 is not used in iRAPT.	ID

Samples:

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

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

HL^3^2^I^1 = third level, send Line Item information relating to shipment sent in second level – the HL03=I for Item should only be used for Multi-Box pack. If “HL03=I”, all “I” loops should be grouped together and appear before the “P” loops, which must also be grouped together.

HL^4^2^P = fourth level, sending Pack (RFID) information related to Shipment.

Notes:

- Only HL03 =V, HL03 = S, HL03=I and HL03 = P are allowed on Update Pack/RFID information being reported.
- iRAPT rejects transactions with any loops 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
- P Pack – Used to report Pack (RFID) information to iRAPT

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

- 0 No subordinate HL Data 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 the LIN Segment per HL Loop (HL03= I) to identify the Line Item. iRAPT will accept up to 999 iterations of the HL Loop (HL03 = I).

LIN Segment is required when updating the Multi-Box Pack Indicator entry (SLN Segment, Pos 040 Detail) for the Line Item. Only CLINs previously reported in the original 856 can be submitted in the Pack Update document.

iRAPT only accepts LIN in the 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>
LIN01	Assigned Identification	350	1/6	M	Line Item Number The letters "I" and "O" may not be used within the Line Item Number.	AN
	MOCAS		4/6	M	4N, 4N2A, 1A3AN, "NONE" or "NONE"NN	
	One Pay		4/6	M	4N, 4N2A	
LIN02	Product/Service ID Qualifier	235	2/2	M	Please refer to the Product/Service ID Qualifier Codes table maintained under the "Lookup" tab on the iRAPT website. Submit the Product/Service ID Qualifier that was on the CLIN when the document was submitted originally.	ID
LIN03	Product/Service ID	234	1/48	M	Product/Service ID Submit the Product/Service ID that was on the CLIN when the document was submitted originally.	AN

Samples:

LIN^0001^MN^789876PQR (CLIN)

LIN^0001AA^MN^9879879 (SLIN)

Notes:

- iRAPT rejects transactions without a LIN Loop and without data in LIN01, LIN02 and LIN03.
- iRAPT rejects transactions using any codes that are not listed within the Product/ Service ID Qualifier Codes table.
- If Product/Service ID Qualifier in LIN02 is “FS”, then the Product/Service ID must be 13 numeric characters reported in LIN03.
- LIN02 and LIN03 added to satisfy X12 requirements. iRAPT will ignore these segments.

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

NOTE: There may be one instance of SLN per LIN Loop to specify Subline Item detail, (where HL03 = I). Segment is required if entering multi-box pack indicators.

<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	Unit Price If a value is entered in SLN08, then Unit Price is required.	R9.6
SLN07	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A
SLN08	Relationship Code	662	1/1	O	If HL03 = I, enter "A" for Multi-Box Pack Indicator. See sample at the end of this document.	ID

Samples:

SLN^1^^O^^250

For Multi-box Pack:

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

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

NOTES: There must be one instance of PRF per 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		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		When the selected Contract Number Type is "DoD Contract (FAR)," please see notes below for Contract Number 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 Contract Number Edits.	

PRF02	Release Number	328	0/19	C	Delivery Order, Call, or Release Number. No special characters allowed.	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.	

Sample:

PRF^DCA10015D0050^0040 (Contract & Delivery Order Number)

Notes:

- iRAPT rejects transactions without PRF.
- The PRF01 and PRF02 must match to a previously submitted 856.

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.

1.7 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.

When submitting a Transportation Update, Transportation data submitted, including blank fields, will replace any previously submitted Transportation data. This includes updating, deleting, or adding Transportation data via the update 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>
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	“51” for Standard Cubic Foot.	ID

Samples:

TD1^^^^^^10^LB

TD1^^^^^^500^51

1.8 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.

When submitting a Transportation Update, Transportation data submitted, including blank fields, will replace any previously submitted Transportation data. This includes updating, deleting, or adding Transportation data via the update 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>
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 note below. For a MOCAS paid Fast Pay Combo created RR, the Transportation Method/Type cannot be	ID

					updated on a transportation update.	
--	--	--	--	--	-------------------------------------	--

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.

			3/3 2/2		<p>enter the word "Comment" in REF02 and Document Level Comments in REF03.</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> <p>When HL03 = S, enter "ACC" for Status to capture Draft Indicator. See additional notes below.</p> <p>Where HL03 = S, enter "TH", to indicate Transportation Account Code (TAC).</p>	
REF02	Reference Identification	127	1/30 18/18 1/30 17/17	C	<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>Serial Shipping Container Code</p> <p>If REF01 = "LA", enter Serial Shipping Container Code in REF02.</p> <p>Secondary Tracking Number - If REF01 contains a Secondary Tracking Number Type Indicator (See codes below table), enter the Secondary Tracking Number in REF02.</p> <p>If REF01 = "0L" enter the description.</p> <p>Transportation Control Number (TCN) - If REF01 = "TG", enter Transportation Control Number in REF02. The 16th position must be</p>	AN

			7/7		an alpha character but may not be "I" or "O". If "TOC" is entered in REF01, enter the word "Comment" in REF02 and the Document Level Comments in REF03.	
			1/30		If "E9" is entered in REF01, enter the word "Attachment" in REF02 and the attachment name in REF03.	
			5/5		If HL03 = "S" and if REF01 = "ACC" enter "Draft".	
			4/4		If HL03 = S and REF01 = "TH", enter Transportation Account Code (TAC) in REF02.	
REF03	Description	352	1/50	C	<p>UID should be cited here. Required if UID data is sent.</p> <p>UID – this is the Unique Identifier that ensures uniqueness of items that are listed in the DoD UID Registry.</p> <p>Alphabetic characters should be capitalized.</p> <p>RFID – RFID Tag Information. Enter tag information in REF03 if JH is entered into REF01.</p> <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 0L, 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) =</p>	AN
			1/1			

			1/80	<p>“BL” or “BM” REF03 is mandatory, enter “B”.</p> <p>If “TOC” is entered in REF01, enter the word “Comment” in REF02 and the Document Level Comments in REF03.</p>
			1/80	<p>If “E9” is entered in REF01, enter the word “Attachment” in REF02 and the attachment name in REF03.</p> <p>Attachment name, including the extension, must not exceed the maximum field length of 80 characters.</p> <p>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</p> <p>DOC: Microsoft Word Application</p> <p>HTM: Hypertext Markup</p> <p>HTML: Hypertext Markup Language</p> <p>JPG: Joint Photographic Exerts Group Format</p> <p>MSG: Microsoft Outlook Application</p> <p>PDF: Adobe Acrobat Portable Document Format</p> <p>PPT: Microsoft PowerPoint Application</p>

					RTF: Rich Text Format TIF: Tagged Image File Format TXT: Plain text format XLS: Microsoft Excel Application XML: Extensible Markup Language	
REF04	Reference ID	C040	2/3	O	Enter W9:Yes for Mark Indicator in the Pack Data loop (HL03=P) when "U3" is in REF01. Mark Indicator is required for each U11 of a Multi-Box Pack Line Item. The document will reject if more than one Mark indicator is received for a given U11. The document will reject if a Mark Indicator is not received for each U11. See samples at the end of this document.	ID

Samples:

REF^JH^CE71133E31FC1C35 (RFID Sample)

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)

REF^E9^Attachment^ExtraMaterial.doc (Attachment Name Sample)

REF^ACC^Draft (Draft Indicator)

REF^TH^DIII (Transportation Account Code)

The following example is for Multi-Box Pack (3 containers) with the same CLIN and no UIIs:

```
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
```

The following example is for Multi-Box Pack (3 containers) with the same CLIN with the same UII:

```
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
```

The following example is for Multi-Box Pack (3 containers) with the same CLIN and different UIIs:

```
HL^20^2^P
REF^JH^^CF05732354E313400000000287963332^W9:YES!
SDQ^ZZ^^C001^1
HL^21^2^P
REF^JH^^CF05732354E313400000000287963333^W9:YES
SDQ^ZZ^^C001^1
HL^22^2^P
REF^JH^^CF05732354E313400000000287963334^W9:YES
SDQ^ZZ^^C001^1^
```

Document Level Comments

REF^TOC^Comment^These are the initiators document level comments.

Notes:

- The delimiter character “^” is not allowed in comments.

- The comments will be concatenated into a single comment which may not exceed 2000 characters.
- 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.
- 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

Accepted in PACK Loop (HL03 = P)

U3 UID Value

JH Tag (RFID Tag Data)

REF01 – Reference Identification Qualifier

Accepted in Shipment Loop (HL03 = S)

BL Government Bill of Lading

BM Commercial Bill of Lading

E9 Attachment Code

LA Serial Shipping Container Code Qualifier

TG Transportation Control Number

TOC Document Level Comments

ACC Status (used to capture the Draft Indicator)

TH Transportation Account Code (TAC)

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

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

NOTES: There may be one instance of DTM for iRAPT.

If this Segment is entered, it will overwrite the previous Estimated Delivery Date if entered in document submission.

<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	"017" for Estimated Delivery Date	ID
DTM02	Date	373	8/8	O		DT

Sample:

DTM^017^20080403

1.11 N1 Segment – NAME, Pos. 220 – Detail

NOTES: There may be one instance of the N1 Segment per transaction.

iRAPT only accepts N1 in the Address Loop (HL03 = V).

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	98	2/2	M	<p>“SE” for Selling Party is the only code allowed.</p> <p>To submit email addresses to which an additional workflow notice should be sent, submit “FE” in N101.</p>	ID
N102	Name	93	1/60	C	<p>To submit email addresses to which an additional workflow notice should be sent, enter the name of the organization in N102 when N101 = “FE”.</p>	AN
N103	Identification Code Qualifier	66	2/2	C	<p>Mandatory when submitting address data.</p> <p>See codes below.</p> <p>Not used when submitting email addresses to which an additional workflow notice should be sent.</p>	ID
N104	Identification Code	67	5/19	C	<p>Mandatory when submitting address data.</p> <p>CAGE Code and CAGE Code Extension.</p> <p>DUNS and DUNS Extension.</p> <p>DUNS+4 and DUNS+4 Extension.</p> <p>Not used when submitting email</p>	AN

					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^SE^^33^1M3W0

N1^SE^^33^1M3W0SUB

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

Notes:

When Entity Identifier (N101) is “SE”, Identification Code Qualifier N103 can only be “33”, “1”, or “9”. If any other N103 code is used with N101 of “SE,” iRAPT rejects the transaction.

N101 Codes

SE Selling Party (Cage of Vendor)

FE Mail Address

N103 - Id Code Qualifier

1 D-U-N-S Number, Dun & Bradstreet

9 D-U-N-S+4, D-U-N-S Number with four character suffix

33 CAGE Code

N106 - Entity Identifier Code

NP – Notify Party for Shipper’s Order

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

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

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

PER must be entered as part of the N1 Loop for SE (Selling Party) code to identify user-submitting 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	Contract 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 Loop for email	AN

					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 Contact

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

NOTES: There must be at least one instance of SDQ, with a maximum of 50 in iRAPT to report pack update for multiple CLINs.

This Segment is used only when HL03 = P.

Ten CLINs/SLINs/ELINs may be reported in one SDQ (SDQ03 - SDQ22). If more than 10 line items need to be reported, the SDQ segment may be repeated up to 50 times.

The maximum number of CLINs that may be reported per Pack Loop (HL03 = P) is 500.

<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	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/ELIN associated with the RFID In HI03=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/ELIN 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

Samples:

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

1.14 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 as in ST02.	AN

Sample:

SE^250^0012

Multi-box Pack Indicator without UIDs

ST^856^0020
BSN^EX^SHP1045^20080909^1045^^AS^C20
HL^1^^V^1
N1^SE^^33^06141
PER^IC^pbasicvendor
HL^2^1^S^1
PRF^HQ033708E0909^RRDDQNOMBPQLATERQ
HL^3^2^I^1
LIN^A001^MN^9879877
SLN^1^^O^1^^84^^A
HL^4^2^I^1
LIN^0001^MN^9879878
SLN^1^^O^1^^42^^A
HL^5^2^I^1
LIN^0002^MN^9879879
SLN^1^^O^1^^4.01^^A
HL^6^2^P
SDQ^ZZ^^0001^1^0002^1
HL^7^2^P
REF^JH^^ABCDEF123456789B
SDQ^ZZ^^A001^2
HL^8^7^P
REF^JH^^ABCDEF1234567891
SDQ^ZZ^^A001^2^0001^1^0002^1
SE^100^0020

Multi-box Pack Indicator with UIDs

ST^856^0020
BSN^EX^SHP1016^20080909^1016^^AS^C20
HL^1^^V^1
N1^SE^^33^06141
PER^IC^basicvendor
HL^2^1^S^1
PRF^HQ033708E0909^RRDDQNOMBPQLATERQ
HL^3^2^I^1
LIN^A001^MN^9879877
SLN^1^^O^1^^84^^A
HL^4^2^I^1
LIN^0001^MN^9879878
SLN^1^^O^1^^42^^A
HL^5^2^I^1
LIN^0002^MN^9879879
SLN^1^^O^1^^4.01^^A
HL^6^2^P
REF^JH^^ABCDEF123456789A
REF^U3^^D06481ORIGPARTNUM01UID2/-SERNUM03
SDQ^ZZ^^0001^1^0002^1
HL^7^2^P
REF^JH^^ABCDEF123456789B
REF^U3^^D06481ORIGPARTNUM01UID2/-SERNUM01^W9^Yes
REF^U3^^D06481LOTBATCHNO123456789BUID2/-SERNUM02^W9^Yes
SDQ^ZZ^^A001^2
HL^8^7^P
REF^JH^^ABCDEF1234567891
REF^U3^^D06481ORIGPARTNUM01UID2/-SERNUM01
REF^U3^^D06481LOTBATCHNO123456789BUID2/-SERNUM02
REF^U3^^D06481ORIGPARTNUM01UID2/-SERNUM03^W9^Yes
SDQ^ZZ^^A001^2^0001^1^0002^1
SE^100^0020

Pack/Transportation Receiving Report Update

ISA*00* 00* *14*001339159-iRAPT *ZZ*DMCOGDEN
 *110725*1211*U*00401*000292763*0*P*>~
 GS*SH*00724*iRAPT01*20110725*1211*6011*X*004010F856_3~
 ST*856*080277016~
 BSN*EX*RAY5284*20110725*1211**AS*C20~
 HL*1**V*1~
 N1*SE**33*00724EDIFTP~
 PER*IC*estar01~
 HL*2*1*S*1~
 PRF*N0002411CRL52~
 TD1*****46*LB~
 TD5*B*2*UPS*AE~
 REF*TG*N00039H2123475XXX~
 REF*BL*BILLOFLADING1*B~
 REF*TOC*Comment*Transportation update - all data present~
 REF*TOC*Comment*Pack update -- all data present~
 DTM*017*20110731~
 HL*3*2*I*1~
 LIN*0001AA*FS*5222551234455~
 SLN*1**O***0.00**A~
 HL*4*2*P~
 REF*JH**1F2461A7000000000022B0B1~
 REF*U3**D0072411411424-002987115*W9>YES~
 SDQ*ZZ**0001AA*1~
 HL*5*2*P~
 REF*JH**1F2461A7000000000022B0B2~
 SDQ*ZZ**0001AA*1~
 HL*6*2*P~
 REF*JH**1F2461A7000000000022B0B3~
 REF*U3**D0072411411424-002987116*W9>YES~
 SDQ*ZZ**0001AA*1~
 HL*7*2*P~
 REF*JH**1F2461A7000000000022B0B4~
 SDQ*ZZ**0001AA*1~
 SE*32*080277016~
 GE*1*6011~
 IEA*1*000292763~