WideAreaWorkFlow
e-Business Suite

EDI Guide - Appendix M
856 - Property

Version 5.12.0
July 2018

Prepared For:
Defense Logistics Agency

Prepared By:

CACI Enterprise Solutions, Inc.
50 North Laura Street, Suite 2100
Jacksonville, FL 32202

Under:
Contract No. SP4701-16-D-2001
Project Name: Invoicing, Receipt, Acceptance and Property Transfer (iRAPT)

Approved By:

Prepared By:	Approved By:
6/12/2018	6/14/2018
X Kim Mironov	X Aimee Ivey
Kim Mironov	Aimee Ivey
iRAPT FTP/EDI Technical Writer	iRAPT EDI Technical Manager
Signed by: eda26.user26.9301002954	Signed by: IVEY.AIMEE.B.1411261510

This page intentionally left blank.

History Page

Version	*Date*	*Change Description*
5.4.0-1	8/27/12	CAMCG166 Removed all History prior to 5.4
5.4.0-2	10/11/12	ECP_0725 - FTP/EDI Guide Changes 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	12/6/12	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 GF Pos.330, GF07 and GF09: 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	02/15/13	WIT Issue 2467 v5.4 SIT REF Pos.150, REF02: Removed ‘Voucher’ from “D Non-Procurement Instruments”
5.4.1-2	02/19/13	CAMCG196 Updated to Version 5.4.1, July 2013
5.4.1-3	02/20/13	WIT Issue 2835 v5.4 OAT 2 N1 Pos.220: Under GFP Receipt Notes (page 50) updated to read- VG Contractor to Government (Receipt from Govt Receiver for document created by Vendor Shipper) GV Government to Contractor (Receipt from Vendor Receiver for document created by Govt Shipper) SLN Pos.040: Updated SLN05 from Not Used to Mandatory with note stating “For UID, iRAPT will ignore.”
5.4.1-4	02/25/13	ECP_0727 - FTP/EDI Guides LIN Pos.020, LIN01: Added MOCAS edit – 4N, 4N2A, 1A3AN, “NONE” or “NONE”NN
5.4.1-5	03/21/13	Removed previous update for 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	10/24/13	TAGER40G N1 Pos.020: Updated Notes at top to say - There must be at least one instance of the N1 segment per transaction. PID Pos.070: Updated Notes at bottom to say - iRAPT rejects Shipment transactions without a PID.

		LM Pos.340: Updated LM01 - GFP iRAPT Receipt column to “O” N1 Pos. 220: Removed all references to “000000” dummy code from page 49.
5.6.0-1	01/07/14	WAWF-215 Updated to Version 5.6.0, August 2014
5.6.0-2	01/14/14	WAWF-210 WIT Issue 3530 v5.5 OAT 2 SN1 Pos.030 - SN103: 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.”
5.6.0-3	01/17/14	WAWF-235 WIT Issue 3627 v5.5 OAT 2 LQ Pos.350: Updated Notes at the top from "may" to "must” and changed “N/A” to "C" under GFP iRAPT Receipt column.
5.6.0-4	01/21/14	WAWF-236 WIT Issue 3626 v5.5 OAT 2 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.
5.6.0-5	02/20/14	WAWF-298 ECP0764 - FTP/EDI Guide Updates All Stock Part Number references updated to Product/Service ID and Stock Part Number Type references to Product/Service ID Qualifier. LIN Pos.020: Added LIN04 - LIN31, updated Product/Service ID max length to 48 for LIN03 and added Sample. Updated Notes section to: iRAPT rejects transactions with codes that are not listed within the Product/ Service ID Qualifier Codes table. IC allows for 15 pairs of Product/Service ID Qualifiers (LIN 02 through LIN31). 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 a minimum of 13 and a maximum of 13 alphanumeric characters reported in LIN03.
5.6.0-6	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.”
5.6.0-7	05/19/14	WAWF-861 WIT Issue 3951 v5.6 SIT ECP 764 5.6b1f2: Guide issues for Product/Service ID LIN06-LIN31 Marked GFP iRAPT Receipt column as N/A
5.6.0-8	05/20/14	WAWF-1007 Updated Delivery Order Nos. to 0015 on header
5.6.0-9	05/29/14	WAWF-211 WIT Issue 3561 v5.5 OAT 2Qty in guides do not match what happens in Application SN1 Pos.30, SN102: Removed "if UID information is entered" from Notes column to now read “A whole number is required.”
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, 4th Bullet: Updated to ‘If Product/Service ID Qualifier in LIN02

		is FS, then the Product/Service ID must be13 numeric characters reported in LIN03.'
5.6.0-12	08/19/14	WAWF-1449 GF Pos.330- GF07 and GF09: 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. Added "Positions 10 through 13 may not be "0000". The Delivery Order Number, if entered, must be 0 or 4 alphanumeric characters. 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 the second paragraph under Notes at the bottom.
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 segment 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	02/24/15	WAWF-1908 ECP0794 guide updates GF pos. 330- GF03: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) GF06: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) GF07: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) GF09: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) Added GF Contract Number and Delivery Order Edits REF pos. 150- REF02: Added S Uniform PIID (FAR 4.16)
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 GF pos. 330- Updated fiscal year in GF Contract Number and Delivery Order Edits
5.9.0-1	12/16/15	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.
5.10.0-1	10/09/16	IRAPT-1515 HL pos. 010- Notes: Added HL03 = G. HL03- Hierarchical Level Codes: Added code G. Notes: Added "A new HL Loop will be used to submit Serial Numbers coupled with Supply Condition Codes. This loop can be a child of either the HL03 = “I” (Line Item Loop) or HL03 = “D” (UID Loop) Loops." Added sample. REF pos. 150- Notes: Added HL03 = G. Added "If any UIIs or Item Serial Numbers are packed, all UIIs and Item Serial Numbers must be packed." Added sample. REF01- Reference Identification Qualifier (HL03 = G) Added codes SE, U3, R9. REF01- Reference Identification Qualifier (HL03 = P): Added code SE. REF02: Added "If “SE” is entered in REF01, enter the actual Serial Number in REF02." REF03: Added "If “R9” is entered in REF01, enter the UID or Serial Number being rejected in REF03." LQ pos. 350- LQ01- Code List Qualifier Code: Added code 83. Notes: Added HL03 = G. Added "If one supply condition code is entered, supply condition codes must be provided for the rest of the Serial Numbers and UIDs." Added "When a Supply Condition Code is entered at the Line Item Level, that Supply Condition Code will automatically be populated to all UIDs and Item Serial Numbers on that Line Item. If a Supply Condition Code is also entered at the UID or Item Serial Number Level, that condition code will take precedence over the code at the Line Item Level." Added LQ02- Industry Codes for Serial Number / Supply Condition Code Loop HL03 = G. Added sample.
5.10.0-2	11/17/16	WAWF-1721 GF pos. 330- GF Contract Number and Delivery Order Edits: Increased fiscal year requirements by 1 for all edits of contract type DoD Contract (FAR).
5.10.0-3	11/23/16	IRAPT-1841 REF pos. 150- REF03: Added "REF03 is mandatory if HL03 = P and REF01 = SE. Enter the Line Item Number that the Item Serial Number in REF02 should be

		packed with." Updated sample for Item Serial Number.
5.11.0-1	05/06/17	IUID-1835 REF pos. 150- REF01: Changed "Use “R9” in REF01 to indicate the Rejection of UII information reported in REF02 and REF03." to "When BSN07=A02/ZZZ, use “R9” in REF01 to indicate the Rejection of UII information reported in REF02 and REF03." Notes: Added "Receipt without shipment document scenarios automatically receives UIDs/Item Serial Numbers entered on the document on submit." Added "REF01 code R9 cannot be used in a Shipment/Receipt document. This applies to both the D Loop (UIDs) and the G Loop (ISNs)."
5.12.0-1	04/19/17	GFP-380 LIN pos. 020- LIN02: Removed “Please refer to the Product/ Service ID Qualifier Codes table maintained under the "Lookup" tab on the iRAPT website”. Added “Only the following Qualifier Codes will be allowed: FS, ZB, MG, MN, and CN. Other qualifiers will be ignored. Qualifier CN (Item Name) is required. If qualifier ZB or MG is provided, the other is required”. N1 pos. 220- GFP Notes: BSN07 = 048- GG, Optional: Removed “7D ACO Losing/Gaining DoDAAC, BY PCO Losing/Gaining DoDAAC”. Note: Removed “If iRAPT Transfer code is “GG” and the Losing Contract Number in GF03 Is entered, the Losing ACO DoDAAC (N101=7D) and Losing PCO DoDAAC (N101=BY) are mandatory in the N1 segment”. BSN07 = 043- GRD, Optional: Removed “7D Gaining ACO DoDAAC, BY Gaining PCO DoDAAC”. Note: Removed “If iRAPT Transfer code is “GRD” and the Gaining Contract Number in GF06 Is entered, the Gaining ACO DoDAAC (N101=7D) and Gaining PCO DoDAAC (N101=BY) are mandatory in the N1 segment”. BSN07 = A02- GG, Optional: Removed “7D ACO Gaining DoDAAC, BY PCO Gaining DoDAAC”.

This page intentionally left blank.

Table of Contents

1 GENERAL INSTRUCTIONS 1

1.1 ST Segment – Transaction Set Header, Pos. 010 – Header 4
1.2 BSN Segment – Beginning Segment for Ship Notice, Pos. 020 – Header 5
1.3 DTM Segment – Date/Time Reference, Pos. 040 – Header 10
1.4 HL Segment – Hierarchical Level, Pos. 010 – Detail 11
1.5 LIN – Item Identification, Pos. 020 – Detail 14
1.6 SN1 Segment – Item Detail, Pos. 030 – Detail 19
1.7 SLN Segment – Subline Item Detail - Pos. 040 – Detail 21
1.8 SLN Segment – Subline Item Detail - Pos 040 – Detail 24
1.9 PRF Segment – Purchase Order Reference, Pos. 050 – Detail – Not Used 27
1.10 PID Segment: - Product/Item Description, Pos. 070 – Detail 28
1.11 TD1 Segment - Carrier Details – (Quantity & Weight), Pos. 110 – Detail 29
1.12 TD5 Segment – Carrier Details, Pos. 120 – Detail 30
1.13 REF Segment - Reference Numbers, Pos. 150 – Detail 32
1.14 CLD Segment – Load Detail, Pos. 170 – Detail 45
1.15 REF Segment - Reference Identification, Pos. 180 – Detail 46
1.16 DTM Segment – Date/Time Reference, Pos. 200 – Detail 47
1.17 FOB Segment - F.O.B. Related Instructions, Pos. 210 – Detail, Skip this line 49
1.18 N1 Segment – NAME, Pos. 220 – Detail 50
1.19 N2 Segment – Additional Name, Pos. 230 – Detail 58
1.20 N3 Segment – Address Information, Pos. 240 – Detail 59
1.21 N4 Segment – Geographic Information, Pos. 250 – Detail 60
1.22 PER Segment – Administrative Communications Contact, Pos. 270 – Detail 62
1.23 SDQ Segment – Destination Quantity, Pos. 290 – Detail 64
1.24 CUR Segment – Currency, Pos. 310 – Detail 66
1.25 SAC Segment – Service, Promotion, Allowance or Charge Info, Pos. 320 – Detail – Not Used 67
1.26 GF Segment – Furnished Goods and Services, Pos. 330 – Detail 68
1.27 LM Segment – Code Source Information, Pos. 340 – Detail 74
1.28 LQ Segment – Industry Code, Pos. 350 – Detail 75
1.29 SE Segment – Transaction Set Trailer, Pos. 020 – Summary 77

This page intentionally left blank.

1 General Instructions

The following pages represent the Invoicing, Receipt, Acceptance and Property Transfer (iRAPT) Data Element/Segment Cross Reference for the reporting Government Furnished Property (GFP) and Property Transfer 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.

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

The **"GFP iRAPT Req"** column applies to creating a new GFP Shipment(s) for iRAPT.

VV Contractor to Contractor

VG Contractor to Government

GV Government to Contractor

CC Contract to Contract (Same Contractor)

VRC Receipt by Contractor without Shipment Document in iRAPT from Contractor

VRD Receipt by Contractor without Shipment Document in iRAPT from Government

GR Receipt by Government without Shipment Document in iRAPT

GG Government to Government (Dept. of Defense to Dept. of Defense, D2D) – Property Transfer Only

GRD Receipt by Govt. without Shipment Document in iRAPT from Govt. - Property Transfer Only

The **"GFP iRAPT Receipt"** column applies to creating a Receipt for a GFP Shipment(s) that exists in iRAPT. Only applies to VV, VG, and GV Receipt documents.

VV Contractor to Contractor

VG Contractor to Government (Government receiving from the Contractor)

GV Government to Contractor (Contractor receiving from the Government)

GG Government to Government (Dept. of Defense to Dept. of Defense, D2D) – Property Transfer Only

SV Government to Contractor (Contractor receiving from the Government an iRAPT generated GFP document produced from an acquisition Receiving Report).

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** Alpha/Numeric String
- **DT** All Date Fields use this format: CCYYMMDD
- **TM** 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.

This transaction set should only be used when transfer of property involves Unique Item Identifier (UII).

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

NOTE: There must be one instance of the ST Segment per transaction.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
ST01	Transmission Set ID	143	3/3	M	M	856 Ship Notice Manifest (GFP only)	ID
ST02	Transaction Set Control Number	329	4/9	M	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 for iRAPT.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
BSN01	Transaction Set Purpose Code	353	2/2	M	M	Valid values are “00”, “01” and “05”.	ID
BSN02	Shipment Identification	396	2/22	M	M	Shipment Number	AN
			7/8	M	M	DSS D2D: If iRAPT Transfer code is “GG” and If a Losing Contract Number is entered in the GF Segment (GF03), then a Shipment Number is required in BSN02.	
			14/25	C	C	If the Losing Contract Number is NOT entered in the GF Segment (GF03), then a Transfer Document Number is required in BSN02. D2D: If iRAPT Transfer code is “GRD”, and a Gaining Contract Number is entered in the GF Segment (GF06), then a Shipment Number is required in BSN02. If the Gaining Contract Number is NOT entered in the GF Segment (GF06), then a Transfer Document Number is required in	

						BSN02. D2D: For “GG”, the first six characters must be the Shipper’s DoDAAC. For “GRD”, the first six characters must be the Receiver’s DoDAAC.	
BSN03	Date	373	8/8	M	M	CCYYMMDD – Transmission Date	DT
BSN04	Time	337	4/8	M	M	Transmission Time	TM
BSN05	Hierarchical Structure Code	1005	N/A	N/A	N/A	Not used.	N/A
BSN06	Transaction Type Code	649	2/2	M	M	TS Transfer Statement – Use to indicate the transfer of Government Furnished Property (GFP)	ID
BSN07	Status Reason Code	641	3/3	M	M	See codes below. 048 Use when Government Property is being moved from one location to another. A59 Use when Government Property is moved from one contract to another and the prime contractor does not change. 043 Transfer without written notice – Stand Alone Receipt (856 Receipt with no document in iRAPT) A02 Release Signature or Release Number (Receipt with Shipment- for iRAPT this is the Receipt only column)	ID

						"ZZZ" (Mutually Defined) for Spawn to Contractor Document (use "ZZZ" only with GFP Receipt Column on this document) – Use only when BSN06 = "TS" to report a receipt of a spawned document created by the Inspector.	

Samples:

BSN^00^DIS0001^20080101^1200^^TS^048 (Original)

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

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

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

BSN01		**BSN06**		**BSN07**
00	Original	TS	Transfer Statement	048, A59, 043, A02, ZZZ
01	Void			
05	Void & Replace			

BSN07 - ***Notes***

Void and Void & Replace actions are allowed for the following Property Transfer scenarios:

- Contractor to Contractor
- Contractor to DoD
- DoD to Contractor
- Contract to Contract
- DoD to DoD
- Receipt by Contractor without shipment in iRAPT (from Contractor) Document will be in a "Received" status.

- Receipt by Contractor without shipment in iRAPT (from DoD) Document will be in a "Received" status.
- Receipt by DoD without shipment in iRAPT (from Contractor) Document will be in a "Received" status.
- Receipt by DoD without shipment in iRAPT (from DoD) Document will be in a "Received" status.

BSN07 – ***Notes:***

If 043 is entered in BSN07 and iRAPT (Receipt) Transfer Type is:

- VRC, which is Receipt by Contractor without Shipment Document in iRAPT from Contractor, then N101 = PG, N103 = 33 (CAGE) and actual CAGE code is entered In N102. And N101 = AQ and N103 = 33 (CAGE) and actual CAGE code entered in N104.
- VRD, which is Receipt by Contractor without Shipment Document in iRAPT from Government, then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104 and N101 =AQ and N103 = 33 (CAGE) and actual CAGE code entered in N104.
- GR, which is Receipt by Government without Shipment Document in iRAPT, then N101= PG, N103 = 33 (CAGE) and actual CAGE is entered in N104. And, AQ and N103 = 10 (DoDAAC) and actual DoDAAC entered in N104.
- GRD, Receipt by DoD without Shipment Document in iRAPT from DoD, then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104. And, N101= AQ and N103 = 10 (DoDAAC) and actual DoDAAC code is entered in N104.

If 048 is entered in BSN07 and iRAPT (Shipment) Transfer Type is:

- VV, which is Contractor to Contractor, then N101 = PG and N103 = 33 (CAGE) and N101 = AQ, then N103 = 33 (CAGE) and actual CAGE is entered in N104.
- VG, which is Contractor to Government, then N101 = PG, N103 = 33 (CAGE) and actual CAGE is entered in N104. And, N101 = AQ and N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104.
- GV which is Government to Contractor, then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104. And, N101 = AQ, N103 = 33 (CAGE) and actual CAGE is entered in N104.
- GG, is Government to Government, Dept. of Defense to Dept. of Defense (D2D), then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104. And, N101 = AQ, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104.

<u>If A59 is entered in BSN07 and iRAPT Transfer Type is:</u>

- CC, which is government property moved from one contract to another contract and the Prime Contractor does not change (same Contractor), therefore the Contractor Shipper and Receiver CAGE codes are the same.

<u>If A02 is entered in BSN07 and iRAPT (Receipt) Transfer Type is</u>:

- VV, which is Contractor from Contractor, then N101 = PG and N103 = 33 (CAGE) and N101 = AQ, then N103 = 33 and actual CAGEs are entered in N104.
- VG, which is Government from Contractor, then N101 = PG, N103 = 33 (CAGE) and actual CAGE is entered in N104 and N101 = AQ and N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104.
- GV, which is Contractor from Government, then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104 and N101 = AQ, N103 = 33 (CAGE) and actual CAGE is entered in N104.
- GG, which is Government to Government, D2D (Receipt from DoD Receiver for document created by DoD Shipper), then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104 and N101 = AQ, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104.

<u>If ZZZ is entered in BSN07 and iRAPT (Receipt) Transfer Type is</u>:

- SV, which is Government to Contractor (Contractor receiving from the Government an iRAPT generated GFP document produced from an acquisition Receiving Report), then N101 = PG, N103 = 10 (DoDAAC) and actual DoDAAC is entered in N104 and N101 = AQ, N103 = 33 (CAGE) and actual CAGE is entered in N104.

BSN08 Notes:

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, (GF Segment)
Delivery Order Number, (GF Segment)
Shipment Number (BSN02)

1.3 DTM Segment – Date/Time Reference, Pos. 040 – Header

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

This Segment can only be used to report the Effective Date when government property is moved from one contract to another and the prime contractor does not change. (iRAPT Transfer Type is therefore "CC").

This Segment can only be used when the code A59 is reported in BSN07.

When this Segment is used, the Shipment Date (DTM, Pos. 200) is not required.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
DTM01	Date/Time Qualifier	374	3/3	M	N/A	007 Effective Date	ID
DTM02	Date	373	8/8	M	N/A	CCYYMMDD	DT

***Sample*:**

DTM^007^20080909

<u>DTM01</u> - ***Date/Time Qualifier***

007 Effective Date

1.4 HL Segment – Hierarchical Level, Pos. 010 – Detail

Loop ID: HL

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

iRAPT only accepts one instance of the Address Loop (HL03 = V), one instance of Shipment Loop (HL03 = S), and one to 999 instances of the Line Item Loop per transaction (HL03 = I), multiple iterations of the UID Loop (HL03 = D), HL03 = J when reporting Current Part Number, multiple instances of the Pack Loop (HL03 = P), and multiple instances of Serial Number/Supply Condition Code Loop (HL03 = G).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
HL01	Hierarchical ID Number	628	1/12	O	O	In the first Loop, cite number 1. Increased by one each subsequent Loop.	AN
HL02	Hierarchical Parent ID Number	734	1/12	O	O	For second Loop, (shipment) cite the first Loop to identify the Address associated with shipment. For third Loop and subsequent Loops, (Line Item) cite the applicable second or third Loop. Repeat shipment and Line Item Loops as necessary. For fourth (UID) and fifth Loops (Pack/RFID), repeat as necessary.	AN
HL03	Hierarchical Level Code	735	1/1	M	M	Defines characteristic of a level in a hierarchical structure. See list below. UIDs are optional.	ID
HL04	Hierarchical Child Code	736	1/1	O	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

HL^4^3^D^0 = fourth level, send UID information relating to Line Items sent in the third level (duplicate UIDs per document will not be allowed)

HL^5^4^J^0 = fifth level, use to send Current Part Number information

HL^6^2^P = sixth level, sending Pack (RFID) information related to shipment

HL^3^2^G^0 Quality Characteristics – Used to report Item Serial Number information and Supply Condition Codes for UIDs

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 Loops other than those below.
- If HL03=J is used, it will always follow the HL03=D loop. When HL03=J is reported, the SLN segment, SLN06 will be used to report the Current Part Number Cost while the SLN09 will contain the code "MG" for Current Part Number and SLN10 will contain the actual Current Part Number. A DTM Segment will follow the SLN segment and contain the Current Part Number Effective Date, thus the DTM01 will be 007, and DTM02 will be the actual date.
- A new HL Loop will be used to submit Serial Numbers coupled with Supply Condition Codes. This loop can be a child of either the HL03 = "I" (Line Item Loop) or HL03 = "D" (UID Loop) Loops.

iRAPT Allows The Following Codes:

HL03 - ***Hierarchical Level Codes***

I Item – indicates individual Line Item Loops

S Shipment – indicates individual Shipment Loops

V Address – identifies Address Loop for transaction set

D UID – Use to report UID information to iRAPT

J Part Characteristic – use to report GFP Current Part Number information

P Pack – Used to report Pack (RFID) information to iRAPT

G Serial Number / Supply Condition Code

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

1.5 LIN – 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).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
LIN01	Assigned Identification	350	4/6	M	M	Line Item Number If characters are sent in lowercase, 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	235	2/2	M	M	Only the following Qualifier Codes will be allowed: FS, ZB, MG, MN, and CN. Other qualifiers will be ignored. Qualifier CN (Item Name) is required. If qualifier ZB or MG is provided, the other is required.	ID
LIN03	Product/Service ID	234	1/48	M	M	Product/Service ID – NSN If an NSN is available, use “FS” in LIN02 and the associated number in LIN03. If you do not have an NSN, but you have other pertinent information associated with any other codes for the shipment, then enter that information (e.g. “CL” entered in LIN02) and the pertinent color/information (e.g., blue or yellow, etc.) in LIN03. If an NSN or other pertinent information is not	AN

						associated with the shipment, use any code other than “FS” in LIN02 with the word “NONE” in LIN03. GFP Receipt: The LIN02 and LIN03 data is required for EDI syntax, but will be ignored by iRAPT.	
LIN04	Product/Service ID Qualifier	235	2/2	C	O	Product/Service ID Qualifier GFP Receipt: Enter ZZ to indicate Accept or Reject status of all Unique Identifiers for this Line Item in LIN05. Note: If BSN07 = ZZZ, then LIN04 is not used.	ID
LIN05	Product/Service ID	234	6/6	C	C	Product / Service ID GFP Receipt: If ZZ is entered in LIN04, then the words “Accept” or “Reject” must be entered in LIN05 to indicate the Acceptance/Rejection of all Unique Identifiers for this Line Item. Note: The LIN04 and LIN05 can only be used when the UIIs have been entered by the Shipper. When these Fields are used, any UID data entered for the Line Item will be ignored. For VV and VG, because the UIDs had to be entered by the Shipper, if they send an LIN segment with ZZ in LIN04, then entering the UII data is not necessary, as iRAPT will mark all as Rejected or Accepted. For GV or GG, Acceptance or Rejection at Line Item level using LIN04 and LIN05 is only allowed if Shipper entered UID data	AN

			1/48			for the Line Item. If GFP Receipt rejects all UII's for all line items, iRAPT will Reject the document back to the Shipper. Note: If BSN07 = ZZZ, then LIN05 is not used.	
LIN06	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN07	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN08	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN09	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN10	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN11	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN12	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN13	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN14	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN15	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN16	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN17	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN18	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN19	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN

LIN20	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN21	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN22	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN23	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN24	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN25	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN26	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN27	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN28	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN29	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN
LIN30	Product / Service ID Qualifier	235	2/2	C	N/A	Product / Service ID Qualifier	ID
LIN31	Product /Service ID	234	1/48	C	N/A	Product / Service ID	AN

Samples:

LIN^0001^^^ZZ^Reject

LIN^0001^FS^1234567890123^CN^Missile

Notes:

- iRAPT rejects transactions without an LIN Loop and without data in LIN01.

- iRAPT rejects transactions with codes that are not listed within the Product/ Service ID Qualifier Codes table.
- IC allows for 15 pairs of Product/Service ID Qualifiers (LIN02 through LIN31). 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.

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

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

iRAPT only accepts SN1 in the Line Item Loop (HL03 = I).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
SN101	Assigned Identification	350	N/A	N/A	N/A	Not used.	N/A
SN102	Number of Units Shipped	382	1/8	M	M	Units Shipped A whole number is required. GFP and GFP Receipt: Use for quantity shipped/received. GFP Receipt: If Rejecting or Accepting entire Line Item using LIN04 and LIN05, the quantity must be the total quantity of the line item. However, when Accepting/Rejecting at UID level using REF01 code of U3 for Acceptance or R9 for Rejection, the quantity Field should have total of all UIDs Accepted for the line item AND all UIDs Rejected. Therefore, there must be as many UID REF segments for the line item as the quantity in the SN1 Segment.	R8
SN103	Unit or Basis of Measurement Code	355	2/2	M	O	Please refer to the iRAPT website under the Lookup dropdown for the Units of Measure Table.	ID

***Sample*:**

SN1^^500^EA

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 on the iRAPT website.

1.7 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 must be one instance of the SLN Segment (per HL03=D) to report UID information.

When BSN07 is "ZZZ" – (Receipt from Contractor for a iRAPT generated GFP document spawned from a Receiving Report), then the Receiver CANNOT modify or add UII information on a spawned document, except for SLN19/SLN20 (GFP Category Qualifier Code & "E" or "M" Code) and SLN25/26 (2D Compliant Qualifier Code & "Y" or "N" Indicator).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
SLN01	Assigned Identification	350	1/1	M	M	iRAPT only accepts "1".	AN
SLN02	Assigned Identification	350	N/A	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	M	iRAPT only accepts "O".	ID
SLN04	Quantity	380	1/1	M	M	iRAPT only accepts "1".	R
SLN05	Unit or Basis of Measurement Code	355	2/2	M	M	For UID, iRAPT will ignore.	ID
SLN06	Unit Price	212	1/16	C	C	Unit Price iRAPT will ignore for HL03 = D loop. However, SLN06 is mandatory when HL03 = J.	R9.6
SLN07	Basis of Unit Price Code	639	N/A	N/A	N/A	Not used.	N/A
SLN08	Relationship Code	662	N/A	N/A	N/A	Not used.	N/A
SLN09	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN10	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN11	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used	N/A
SLN12	Product/Service ID	234	N/A	N/A	N/A	Not used	N/A

SLN13	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN14	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN15	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN16	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN17	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN18	Product/Service ID	234	N/A	N/A	N/A	Not used	N/A
SLN19	Product/Service ID Qualifier	235	2/2	M	C	GFP: Enter “C7” when transferring GFP, use in the UID loop to identify the GFP Category Code	ID
SLN20	Product/Service ID	234	1/1	M	C	An ‘E’ for Equipment or ‘M’ for Material must be entered in this Field. GFP Receipt: GFP Category Code must be entered when new UIDs being added. Note: If BSN07 = ZZZ, then SLN19 and SLN20 are mandatory.	AN
SLN21	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN22	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN23	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN24	Product Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN25	Product/Service ID Qualifier	235	2/2	M	C	UID: Enter “TP” Product Type Code for reporting 2DCOMPLIANT indicator	ID
SLN26	Product Service ID	234	1/1	M	C	UID: A “Y” or “N” must be entered in this Field. GFP Receipt:	AN

						2D Compliant Mark must be a 'Y'. Note: If BSN07 = ZZZ, then SLN25 and SLN26 are mandatory.	

Samples:

SLN^1^^O^1^^^^^^^^^^^^^^^C7^E

SLN^1^^O^1^^^^^^^^^^^^^^^C7^E^^^^^TP^Y

Notes:

- Pack Data is not allowed from the receiver and will be ignored.
- SLN Segment is not used within HL03=I loop.

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

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

NOTES: An HL03=D loop must be present before an HL03=J loop can be used.

There must one instance of the SLN Segment to report GFP Current Part Number and Part Number Cost (where HL03 = J).

When BSN07 is "ZZZ" – (Receipt from Contractor for a iRAPT generated GFP document spawned from a Receiving Report), then the Receiver CANNOT modify or add UII information on a spawned document, except for SLN19/SLN20 (GFP Category Qualifier Code & "E" or "M" Code) and SLN25/26 (2D Compliant Qualifier Code & "Y" or "N" Indicator).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
SLN01	Assigned Identification	350	1/1	M	M	iRAPT only accepts "1."	AN
SLN02	Assigned Identification	350	N/A	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	M	iRAPT only accepts "O."	ID
SLN04	Quantity	380	1/1	M	M	iRAPT only accepts "1."	R
SLN05	Unit or Basis of Measurement Code	355	2/2	M	M	For UID, iRAPT will ignore.	ID
SLN06	Unit Price	212	1/16	C	C	Unit Price SLN06 is mandatory when HL03 = J. If HL03 = J, enter Current Part Number Cost in SLN06 and "MG" in SLN09 and Current Part Number in SLN10. Unit price is not allowed for non D2D documents. However, for D2D, Unit Price is allowed for Line Items without UIDs. When creating an	R9.6

						Acquisition Receiving Report containing UIIs, the entry of the Unit Price is mandatory and must be greater than zero.	
SLN07	Basis of Unit Price Code	639	N/A	N/A	N/A	Not used.	N/A
SLN08	Relationship Code	662	N/A	N/A	N/A	Not used.	N/A
SLN09	Product/Service ID Qualifier	235	2/2	M	M	When HL03=J, SLN09 must be “MG” and SLN10 contain the Current Part Number.	ID
SLN10	Product/Service ID	234	3/5	M	M	Enter Current Part Number when HL03=J and SLN09=MG.	
SLN11	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used	N/A
SLN12	Product/Service ID	234	N/A	N/A	N/A	Not used	N/A
SLN13	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN14	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN15	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN16	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN17	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN18	Product/Service ID	234	N/A	N/A	N/A	Not used	N/A
SLN19	Product/Service ID Qualifier	235	2/2	M	C	GFP: Enter “C7” when transferring GFP, use in the UID loop to identify the GFP Category Code	ID
SLN20	Product/Service ID	234	1/1	M	C	An ‘E’ for Equipment or ‘M’ for Material must be entered in this Field. GFP Receipt: GFP Category Code must be entered when new	AN

						UIDs being added. Note: If BSN07 = ZZZ, then SLN19 and SLN20 are mandatory.	
SLN21	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN22	Product/Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN23	Product/Service ID Qualifier	235	N/A	N/A	N/A	Not used.	N/A
SLN24	Product Service ID	234	N/A	N/A	N/A	Not used.	N/A
SLN25	Product/Service ID Qualifier	235	2/2	M	C	UID: Enter “TP” Product Type Code for reporting 2DCOMPLIANT indicator	ID
SLN26	Product Service ID	234	1/1	M	C	UID: A “Y” or “N” must be entered in this Field. GFP Receipt: 2D Compliant Mark must be a 'Y'. Note: If BSN07 = ZZZ, then SLN25 and SLN26 are mandatory.	AN

Samples:

SLN^1^^O^1^^^^^MG^3974797322^^^^^^^^^C7^E

SLN^1^^O^1^^^^^MG^293749373^^^^^^^^^C7^E^^^^^TP^Y

Notes:

<u>Pack Data is not allowed from the receiver and will be ignored.</u>

- SLN Segment is not used within HL03=I loop.

1.9 PRF Segment – Purchase Order Reference, Pos. 050 – Detail – Not Used

1.10 PID Segment: - Product/Item Description, Pos. 070 – Detail

NOTES: There must be one instance of PID per transaction.

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

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
PID01	Item Description Type	349	1/1	M	N/A	Use “F”	ID
PID02	Product/Process Characteristic Code	750	N/A	N/A	N/A	Not used.	N/A
PID03	Agency Qualifier Code	559	N/A	N/A	N/A	Not used.	N/A
PID04	Product Description Code	751	N/A	N/A	N/A	Not used.	N/A
PID05	Description	352	1/75	M	N/A	Free Form Description UID – description – Not used.	AN

Sample:

PID^F^^^^description

Notes:

- iRAPT allows for one to 75 characters of description in the PID05.
- iRAPT will accept up to 25 instances of PID per Line Item.
- iRAPT rejects Shipment transactions without a PID.

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

NOTE: There may be one instance of TD1 per Shipment Loop (HL03 = S).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
TD101	Packing Code	103	N/A	N/A	N/A	Not used.	N/A
TD102	Lading Quantity	80	N/A	N/A	N/A	Not used.	N/A
TD103	Commodity Code Qualifier	23	N/A	N/A	N/A	Not used.	N/A
TD104	Commodity Code	22	N/A	N/A	N/A	Not used.	N/A
TD105	Lading Description	79	N/A	N/A	N/A	Not used.	N/A
TD106	Weight Qualifier	187	N/A	N/A	N/A	Not used.	N/A
TD107	Weight	81	1/6	O	N/A		R
TD108	Unit or Basis of Measurement Code	355	2/2	C	N/A	LB Pounds – only code allowed in iRAPT	ID

Sample:

TD1^^^^^^^10^LB

Notes:

- iRAPT will ignore TD1 data past the first instance.
- Only whole numbers may be used.

1.12 TD5 Segment – Carrier Details, 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.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
TD501	Routing Sequence Code	133	1/1	C	N/A	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	N/A	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	N/A	Standard Carrier Alpha Code - If TD502 = “2”, enter	AN

						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.	
TD504	Transportation Method/Type Code	91	1/2	O	N/A	See note below.	ID

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.

1.13 REF Segment - Reference Numbers, Pos. 150 – Detail

NOTES: There may be multiple 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 Pack Loop (HL03 = P), and the Serial Number / Supply Condition Code Loop (HL03 = G).

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.

REF may be used in connection with shipping hierarchy to identify Bill of Lading, Transportation Control Number, Serial Shipping Container Code, Secondary Transportation Tracking Number and Transportation Leg Association.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
REF01	Reference Identification Qualifier	128	2/3	O	O	See codes below: UID - Use “U3” to send Serial number in REF02 and/or UID data in REF03. “U3” is also allowed in the Pack Loop. Mandatory for all scenarios except “GG”. RFID – Use “JH” in REF01 to send Tag information in REF03. GFP Receipt: Use "U3" in REF01 to show Acceptance of UII on receipt documents. When BSN07=A02/ZZZ, use “R9” in REF01 to indicate the Rejection of UII information reported in REF02 and REF03. Note: If GFP Receipt rejects all UIIs for all line items, iRAPT will reject the document back to the Shipper. Bill of Lading Type Indicator – Valid	AN

						values are “BL” or “BM”. Serial Shipping Container Code Qualifier – Valid value is “LA”. Secondary Tracking Number Type Indicator (See codes below table.) 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.) When 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. Enter “KL” for “Contract Number Type”. 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.'	
			3/3	M	M	When HL03 = S, enter “TOC” to indicate Type of Comment. If “TOC”	

						is entered in REF01, enter the word “Comment” in REF02 and Document Level Comments in REF03.	
			2/2	O	O	When HL03=D, enter DD for Document Identification Code When HL03 = I, enter “XY” – Other Unlisted Type of Reference Number	
			3/3	M	M	When HL03 = S, enter “ACC” for Status to capture Draft Indicator. See additional notes below.	
REF02	Reference Identification	127	1/30	C	C	iRAPT will ignore UID information. UID – Serial Number No special characters, except for dashes (-) and forward slashes (/) are allowed for Serial Number If received, then the document will be rejected.	AN
			1/30			Bill of Lading Number – If HL03 = “S” and if REF01 = “BL”, enter Government Bill of Lading in REF02. If HL03 = “S” and if REF01 = “BM”, enter Commercial Bill of Lading in REF02.	
			18/18			Serial Shipping Container Code - If REF01 = “LA”, enter Serial Shipping Container Code in REF02.	
			1/30			Secondary Transportation Tracking Number - If REF01 contains a Secondary Tracking Number Type	

						Indicator (See codes below table), enter the Secondary Tracking Number in REF02. If REF01 = “0L” enter the description.	
			17/17			Transportation Control Number (TCN) - If REF01 = “TG”, enter Transportation Control Number in REF02. The 16th position may not be “I” or “O”.	N
			1/30			If “E9” is entered in REF01, enter the word “Attachment” in REF02 and the attachment name in REF03.	AN
			1/1			If “KL” is entered in REF01, enter the Contract Number Type in REF02, refer to the list below: 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)	
			7/7			If “TOC” is entered in REF01, enter the word “Comment” in REF02 and the Document Level Comments in REF03.	
			1/30			If “DD” is entered in	

						REF01, enter one of the following in REF02: ST – Special Tooling STE – Special Test Equipment NS- Neither If this segment is not entered, it will default to NS – Neither. If “XY” is entered in REF01, enter the word “METHOD” in REF02 and the Type Designation Method Code in REF03. If “XY” is entered in REF01, enter the word “VALUE” in REF02 and the Type Designation Value in REF03.	
			5/5 1/30			If HL03 = “S” and if REF01 = “ACC” enter “Draft”. If “SE” is entered in REF01, enter the actual Serial Number in REF02.	
REF03	Description	352	1/50 16/64	C	C	UID must be cited here. 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. RFID – RFID Tag ID Information. Enter tag information in REF03 if JH is entered into REF01. Number of characters allowed will be 16, or 24, or 32, or 64, only. If any other characters count, the	AN

						document will be rejected.	
			1/1			Transportation Leg Association If Secondary Tracking Number Type Indicator (REF01) = 08, AW, BN, CN, CY, FI, IZ, K2, K3, WY, XC, XY, ZH or 0L, REF03 is mandatory. REF03 is mandatory and must match the Transportation Leg Described in TD501.	
			1/17			If Bill of Lading Indicator (REF01) = “BL” or “BM” REF03 is mandatory.	
			1/80			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.	
			1/1			If “KL” is entered in REF01 and if REF02 contains a Losing Contract Number Type, enter “L”. Enter “G” if REF02 contains a Gaining Contract Number Type. If this Field is left blank, iRAPT will default to “L”.	
			1/80			If “TOC” is entered in REF01, enter the word “Comment” in REF02 and the Document Level Comments in REF03. If “XY” is entered in REF01, enter the word “METHOD” in REF02 and the Type Designation Method	

			4/6			Code in REF03. If “XY” is entered in REF01, enter the word “VALUE” in REF02 and the Type Designation Value in REF03. Please refer to the “Type Designation Value Validations” document maintained under the "Documentation” - “Supporting Documentation” tab on the iRAPT website. If “R9” is entered in REF01, enter the UID or Serial Number being rejected in REF03. REF03 is mandatory if HL03 = P and REF01 = SE. Enter the Line Item Number that the Item Serial Number in REF02 should be packed with.	
REF04	Reference ID	C040 C04001 C04002	 2/3 1/30	C M M	C M M	The component element separator identified in the Interchange Control Header (ISA16) should be used. When REF01 = "XY" and REF02 = "VALUE", enter the first 80 characters 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).	AN

***Samples*:**

REF^BL^3413412343

REF^U3^^D064810001

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 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^U3^^29837439879279873498 (UID1 Construct Example)

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^KL^A^L (Contract Type Reference Sample)

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

REF^DD^ST (Special Tooling Sample)

REF^DD^STE (Special Test Equipment Sample)

REF^DD^NS (Not Special Tooling or Special Test Equipment Sample)

REF^XY^METHOD^A (Type Designation Method)

REF^XY^VALUE^1234444444444444444444444444444444444444444444444444444444444444444444F812121212^W8:F19A (Type Designation Value)

REF^ACC^Draft (Draft Indicator)

REF^SE^00000011001A^0001 (Item Serial Number)

Notes:

- GFP Receipt: If GFP Transfer Type is “GV” or “GG” and new UIDs are being added for a line item, then the number of UIDs must match the quantity shipped for that Line Item.

- 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.
- GFP Receipt: Comments are mandatory upon rejection of document/UIIs.
- 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.
- If any UIIs or Item Serial Numbers are packed, all UIIs and Item Serial Numbers must be packed.
- Receipt without Shipment document scenarios automatically receive UIDs/Item Serial Numbers entered on the document upon submit.
- REF01 code R9 cannot be used in a Shipment/Receipt document. This applies to both the D Loop (UIDs) and the G Loop (ISNs).

<u>REF01</u> – *Reference Identification Qualifier*

Accepted in Shipment Loop (HL03 = S)

BL Government Bill of Lading

BM Commercial Bill of Lading

CA Cost Allocation Reference – populates SDN Field in iRAPT

E9 Attachment Code

LA Serial Shipping Container Code Qualifier

TG Transportation Control Number

KL Contract Reference

TOC Type of Comment

ACC Status (used to capture the Draft Indicator)

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 UID Loop (HL03 = D)

U3 UID Value Note: Mandatory for all scenarios except “GG”.

R9 Rejection Number – (For iRAPT, used to reject an individual UII on a GFP Receipt)

DD Document Identification Code

REF01 – *Reference Identification Qualifier*

Accepted in Pack Loop (HL03 = P)

U3 UID Value

JH Tag (RFID Tag Data)

SE Serial Number

REF01 – ***Reference Identification Qualifier***

Accepted in Line Item Loop (HL03 = I)

XY Other Unlisted Type of Reference Number

REF01 – ***Reference Identification Qualifier***

Accepted in Serial Number/Supply Condition Code Loop (HL03 = G)

SE Serial Number

U3 Receive UID

R9 Reject UID/Serial Number

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)

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. Enter Part Number even if not used in UII creation.
- 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):

- The UII cannot be greater than 30 characters or less than 15 characters.
- The UII first position must be the digit 0 (zero)
- The UII positions 2 – 15 can only contain digits (0– 9)
- The UII 14th position must contain the check digit. To verify its correctness, perform the following:

- Sum the digits in positions 1, 3, 5, 7, 9, 11, and 13 then multiply the sum by 3.
- Sum the digits in positions 2, 4, 6, 8, 10, and 12.
- Add the two resulting sums together.
- Determine the smallest number which when added to the sum produces a multiple of 10. This number is the check digit.
- Compare the value of position 14 with the calculated check digit. If they are not the same, it is an error and correction is required.

Example: To calculate the check digit for "095512345600198":

Step 1:	0 + 5 + 1 + 3 + 5 + 0 + 1	=	15
	x 3	=	45
Step 2:	9 + 5 + 2 + 4 + 6 + 0	=	26
Step 3:	Add results of Steps 1 & 2	=	71
Step 4:	Determine Check Digit	=	9
			80

The complete number is "095512345600198."

1.14 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 only 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.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
CLD01	Number of Loads	622	1/1	M	N/A	Customer defined loads shipped. This will always be “1” for iRAPT.	N0
CLD02	Number of Units Shipped	382	1/10	M	N/A	The Quantity of the MILSTRIP	R
CLD03	Packaging Code	103	N/A	N/A	N/A	Not used.	N/A
CLD04	Size	357	1/1	M	N/A	This will always be "1" for iRAPT.	R
CLD05	Unit or Basis of Measurement Code	355	2/2	M	N/A	The Unit of Measure of the Line Item.	ID

***Sample*:**

CLD^1^23^^1^BX

Note:

iRAPT rejects transactions with CLD01 and CLD04 other than “1”. Each entry must represent just one load.

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 a MILSTRIP Quantity is identified in CLD, then a MILSTRIP Number is required in the associated REF Segment.

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

NOTES: There must be only 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.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
REF01	Reference Identification Qualifier	128	2/2	C	N/A	TN Transaction Reference Number (MILSTRIP)	ID
REF02	Reference Identification	127	1/15	C	N/A	MILSTRIP (See note below.)	AN
REF03	Description	352	1/30	N/A	N/A	Not used.	N/A
REF04	Reference Identification	C040 C0401 – 128 C0402 – 127	 2/2 1/1	 C C	N/A	 W8 Suffix	AN

Sample:

REF^TN^W8001290010986^^W8:A

Notes:

- Duplicate MILSTRIPs are not allowed for 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.

<u>REF01</u> - ***Reference Code***

TN Transaction Reference Number (MILSTRIP)

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

NOTES: There must be one instance of DTM for iRAPT. The type of date required depends on the iRAPT transfer type.

iRAPT only accepts DTM in the Shipment Loop (HL03 = S) and in the Supplemental UID Header Loop (HL03 = J), which follows the (HL03 = D) for UID.

Use DTM, Pos. 040 to report Effective Date (007) for Contract to Contract "CC" scenario.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
DTM01	Date/Time Qualifier	374	3/3			The following codes are allowed in the Shipment Loop for iRAPT, when HL03 = S:	ID
				M		011 Date Shipped – use for Shipping, not used on GFP Receipt). Do not use 011 if 139 is used. or 139 Estimated Shipment Date – use for Shipping, not used on GFP Receipt. Do not use 139 if 011 is used.	
				O		197 End - Losing Issue Date – use for Shipping, not used on GFP Receipt.	
				O		196 Start - Gaining Issue Date – use for Shipping.	
				O		017 Estimated Delivery – use for Shipping, not used on GFP Receipt. The following code is only allowed within the Supplemental UID Header Loop when HL03 = J, which follows the HL03 = D for UID.	
				O		007 Current Part Number Effective Date– used only for Shipping, not used on GFP Receipt. – If Current Part Number and Current Part Number Cost is reported in	

						HL03 = J, (SLN06; SLN09; SLN10), then Current Part Number Effective Date must be reported.	
					M	GFP Receipt: 050 Received Date (Only to be used when this is a GFP Receipt Document)	
					O	196 Start - Gaining Issue Date (use for VRC or VRD scenarios) VRC Receipt by Contractor without Shipment Document in iRAPT from Contractor VRD Receipt by Contractor without Shipment Document in iRAPT from Government	
DTM02	Date	373	8/8	M	M	CCYYMMDD	DT

***Sample*:**

DTM^011^20080909

Notes:

- iRAPT rejects transactions without DTM01 and DTM02.
- For shipping documents use code “011” Shipped Date or “139” for Estimated Shipment Date in DTM01, use only one, not both.

<u>DTM01</u> - *Date/Time Qualifier*

Accepted in UID, J-Loop (HL03 = J):

007 Effective Date (Current Part Number Effective Date)

Accepted in Shipment Loop (HL03 = S):

011 Shipped

017 Estimated Delivery (Estimated Delivery Date)

050 Received Date

139 Estimated

196 Start (Gaining Issue Date)

197 End (Losing Issue Date)

1.17 FOB Segment - F.O.B. Related Instructions, Pos. 210 – Detail, Skip this line

1.18 N1 Segment – NAME, Pos. 220 – Detail

NOTES: There must be at least one instance of the N1 Segment per transaction. iRAPT only accepts N1 in the Address Loop (HL03 = V). For all N1 segments, N101, N103, and N104 are mandatory.

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 defaulted.

All addressing Segments (N102, N3, and N4) must be **completed** if an address is being entered. If a Location Code is being entered, then addressing data is not necessary. 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.

Address information can only be entered for the Ship To (N101 = ‘ST’) and Ship From (N101 = ‘SF’) roles.

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.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
N101	Entity Identifier Code	98	2/3	M	M	See list below. To submit email addresses to which an additional workflow notice should be sent, submit “FE” in N101.	ID
N102	Name	93	1/60	O	C	Name (Activity 1) – Mandatory if Address data is being entered. To submit email addresses to which an additional workflow notice should be	AN

						sent, enter the name of the organization in N102 when N101 = “FE”.	
N103	Identification Code Qualifier	66	2/2	M	C	Mandatory when submitting address data. See codes below. Not used when submitting email addresses to which an additional workflow notice should be sent.	ID
N104	Identification Code	67	5/19	M	C	Mandatory when submitting address data. DoDAAC, CAGE, DUNS, DUNS+4, or MAPAC if applicable, plus extension if applicable. Not used when submitting email addresses to which an additional workflow notice should be sent.	AN
N105	Entity Relationship Code	706	2/2	C	C	33 Owned (identifies the entity that had the property before, therefore LOSING entity) 38 Owner (identifies the entity that is acquiring the property, therefore GAINING entity)	ID
N106	Entity Identifier Code	98	2/2	C	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:

N1^7D^^10^D8344B^33 (Losing entity sample)

N1^7D^^10^A2345A^38 (Acquiring entity sample)

N1^ST^^10^S0613B

N1^PG^^33^12345

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

N101 Codes

PG Prime Contractor (Shipper)
SF Ship From
AQ Account of Destination Party (Receiver)
ST Ship To
7D Contracting Officer Representative (ACO DoDAAC)
BY Buying Party (PCO DoDAAC)
IAO Manager (Program Manager CAGE/DoDAAC)
KA Item Manager (Property Manager CAGE/Property Administrator DoDAAC)
C4 Contract Administration Office (Contractor Contract Administrator CAGE)
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

10 DoDAAC

33 CAGE Code

A2 MAPAC

Note:
N105 code is mandatory if N101 = 7D, BY, IAO, KA, or C4 to specify Losing or Gaining.

N106 - ***Entity Identifier Code***

NP – Notify Party for Shipper's Order

GFP Notes:

NOTE: A DUNS or DUNS+4 may be submitted anywhere a CAGE code is permitted.

A Contractor DoDAAC may be submitted in any field where a CAGE, DUNS, or DUNS+4 is permitted.

If BSN07 = 048, the following applies:

Note: *"*" indicates a Field is mandatory, but will be defaulted in iRAPT if not entered*

VV Contractor to Contractor

Mandatory – PG CAGE, AQ CAGE, SF CAGE* (default is PG), ST CAGE* (default is AQ), 7D Losing DODAAC, BY Losing DODAAC, KA Losing CAGE* (default is PG), KA Losing DODAAC* (default is 7D Losing), C4 Losing CAGE* (default is PG)

Optional – IAO Losing DODAAC, IAO Losing CAGE, 7D Gaining DODAAC, BY Gaining DODAAC, IAO Gaining CAGE, IAO Gaining DODAAC, KA Gaining CAGE* (default is PG), KA Gaining DODAAC, C4 Gaining CAGE* (default is PG)

VG Contractor to Government

Mandatory – PG CAGE, AQ DODAAC, SF CAGE* (default is PG), ST DODAAC* (default is AQ), 7D Losing, BY Losing, KA Losing CAGE* (default is PG), KA Losing DODAAC* (default is 7D Losing), C4 Losing CAGE* (default is PG)

Optional – IAO Losing DODAAC, IAO Losing CAGE

GV Government to Contractor

Mandatory – PG DODAAC, AQ CAGE, SF DODAAC* (default is PG), ST CAGE* (default is AQ)

Optional – 7D Gaining DODAAC, BY Gaining DODAAC, IAO Gaining CAGE, IAO Gaining DODAAC, KA Gaining CAGE* (default is PG), KA Gaining DODAAC, C4 Gaining CAGE* (default is PG), IAO Losing DODAAC, KA Losing DODAAC.

GG –Government to Government (Dept. of Defense to Dept. of Defense, D2D) – Property Transfer Only

Mandatory – PG DoDAAC, AQ DoDAAC, SF DoDAAC* (default is PG), ST DoDAAC (default is AQ)

Optional – IAO Losing DoDAAC (default is PG), IAO Gaining DoDAAC (default is AQ), KA Losing DoDAAC (default is PG), KA Gaining DoDAAC (default is AQ)

If BSN07 = A59, the following applies:

CC Contract to Contract (Same Contractor)

Mandatory – PG (CAGE code for AQ Receiver will be populated from PG Shipper CAGE, no N1 segment is entered for AQ), SF CAGE* (default is PG), ST CAGE* (default is PG), 7D Losing DODAAC, BY Losing DODAAC, KA Losing CAGE* (default is PG), KA Losing DODAAC* (default is 7D Losing DODAAC), C4 Losing CAGE* (default is PG), 7D Gaining DODAAC, BY Gaining DODAAC, KA Gaining CAGE* (default is PG), C4 Gaining CAGE* (default is PG)

Optional – IAO Losing DODAAC, IAO Losing CAGE, IAO Gaining CAGE, IAO Gaining DODAAC, KA Gaining DODAAC* (default is 7D Gaining DODAAC)

If BSN07 = 043, the following applies:

VRC Receipt by Contractor without Shipment Document in iRAPT from Contractor

Mandatory – AQ CAGE, ST CAGE* (default is AQ), PG CAGE (Enter actual CAGE if known), 7D Gaining DODAAC, BY Gaining DODAAC, KA Gaining CAGE* (default is AQ), KA Gaining DODAAC* (default is 7D Gaining DODAAC), C4 Gaining CAGE

Optional – IAO Gaining CAGE, IAO Gaining DODAAC, SF CAGE* (will default if actual PG Shipper CAGE is entered and no SF Ship From code is entered)

VRD Receipt by Contractor without Shipment Document in iRAPT from Government

Mandatory – AQ CAGE, ST CAGE* (default is AQ), PG DODAAC (Enter actual DODAAC if known), 7D Gaining DODAAC, BY Gaining DODAAC, KA Gaining CAGE, C4 Gaining CAGE

Optional – IAO Gaining CAGE, IAO Gaining DODAAC, KA Gaining DODAAC, SF DODAAC* (will default if actual PG Shipper DODAAC is entered and no SF Ship From code is entered)

GR Receipt by Government without Shipment Document in iRAPT

Mandatory – AQ DODAAC, PG CAGE, ST DODAAC* (default is AQ), SF CAGE* (default is PG), 7D Losing DODAAC, BY Losing DODAAC, KA Losing CAGE* (default is PG), KA Losing DODAAC* (default is 7D Losing), C4 Losing CAGE* (default is PG)

Optional – IAO Losing DODAAC, IAO Losing CAGE

GRD Receipt by DoD without Shipment Document in iRAPT from DoD

Mandatory – AQ DoDAAC, SF DoDAAC* (default is PG), ST DoDAAC* (default is AQ)

Optional - PG DoDAAC, IAO Gaining DoDAAC (default is AQ), KA Gaining DoDAAC (default is AQ)

GFP RECEIPT NOTES:

Note: *"*" indicates Field is mandatory but will be defaulted in iRAPT if not entered, "#" indicates Field is mandatory for GFP Receipt if Shipper did not enter, any gaining location codes entered by Shipper may be changed by Receiver on first receipt submission only (Full receipt or first partial receipt).*

If BSN07 = A02, the following applies:

VV Contractor to Contractor (Receipt from Vendor Receiver for document created by Vendor Shipper)

Mandatory – AQ CAGE, PG CAGE, 7D Gaining DoDAAC#, BY Gaining DoDAAC#, KA Gaining CAGE*# (default is AQ), KA Gaining DoDAAC#, C4 Gaining CAGE*# (default is AQ)

Optional – IAO Gaining CAGE, IAO Gaining DoDAAC

VG Contractor to Government (Receipt from Govt Receiver for document created by Vendor Shipper)

Mandatory – AQ DoDAAC, PG CAGE

GV Government to Contractor (Receipt from Vendor Receiver for document created by Govt Shipper)

Mandatory – AQ CAGE, PG DoDAAC, 7D Gaining DoDAAC#, BY Gaining DoDAAC#, KA Gaining CAGE*# (default is AQ), KA Gaining DoDAAC*# (default is 7D Gaining DoDAAC), C4 Gaining CAGE*# (default is AQ)

Optional – IAO Gaining CAGE, IAO Gaining DODAAC

GG Government to Government, D2D (Receipt from DoD Receiver for document created by DoD Shipper)

Mandatory – PG DoDAAC, AQ DoDAAC,
Optional – IAO Gaining DoDAAC, KA Gaining DoDAAC

If BSN07 = ZZZ, the following applies:

SV Government to Contractor (Contractor receiving from the Government a iRAPT generated GFP document produced from an acquisition Receiving Report)

Mandatory – AQ CAGE, PG DoDAAC (Inspector DoDAAC that accepted the Receiving Report), 7D Gaining DoDAAC#, BY Gaining DODAAC#, KA Gaining CAGE*# (default is AQ), KA Gaining DODAAC*# (default is 7D Gaining DODAAC), C4 Gaining CAGE*# (default is AQ)

Optional – IAO Gaining CAGE, IAO Gaining DODAAC

Notes:

PG Prime Contractor (Shipper) Notes:

-If N101 code is “PG”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor Shipper or “10” for a DoDAAC Government Shipper, followed by actual CAGE, DUNS, DUNS+4 or DoDAAC and Extension (if applicable) reported in N104.

-iRAPT will ignore N102, N105, N2, N3, and N4 information reported for the Prime Contractor (Shipper) CAGE/DoDAAC.

When BSN07 is “43”, Receipt by Contractor without Shipment Document in iRAPT from another Contractor (VRC) or from the Government (VRD), a Shipper code is mandatory. If the Shipper code is not known, please use the following document identifier codes:

VRC: If "33", “1”, or “9” is entered in N103 for Contractor Shipper, then enter "00000" (5 zeros) in N104 for the CAGE Code to complete the document identification.

VRD: If "10" is entered in N103 for Government/DoD Shipper, then enter "000000" (6 zeros) in N104 for the DoDAAC code to complete the document identification.

GRD: If "10" is entered in N103 for Government/DoD Shipper, then enter "000000" (6 zeros) in N104 for the DoDAAC code to complete the document identification.

SF Ship From Notes:

-If N101 code is “SF”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor Shipper or “10” for DoDAAC Government Shipper, followed by actual CAGE, DUNS, DUNS+4 or DoDAAC and Extension (if applicable) reported in N104.

-iRAPT requires N102, N2, N3, and N4 information reported for Ship From CAGE/DoDAAC if address information is entered. Otherwise, address information will be defaulted.

AQ Account of Destination Party (Receiver) Notes:

-If N101 code is “AQ”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 Contractor Shipper or “10” for DoDAAC Government Shipper, followed by actual CAGE, DUNS, DUNS+4, or DoDAAC and Extension (if applicable) reported in N104.

-Receiver information is mandatory and must be reported in GFP for all scenarios except Contract to Contract. Receiver information is mandatory and must be reported for GFP Receipt transactions.

-Receiver information should not be entered for Contract to Contract. For this scenario Receiver information will be populated from the Prime Contractor (Shipper) information.

-iRAPT will ignore N102, N105, N2, N3, and N4 information reported for Receiver.

ST Ship To Notes:

-If N101 code is “ST”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 Contractor Shipper or “10” for DoDAAC Government Shipper, followed by the actual CAGE, DUNS, DUNS+4, or DoDAAC and Extension (if applicable) reported in N104.

-If Ship To information is not entered in the N101, N103, and N104, then it will be populated from the Receiver (AQ Account of Destination Party) information.

-iRAPT requires N102, N2, N3, and N4 information reported for Ship To CAGE/DoDAAC if address information is entered. Otherwise, address information will be defaulted. iRAPT will ignore N105.

7D Officer – ACO DoDAAC Notes:

GFP- Losing ACO DoDAAC:

-If N101 code is “7D”, then N103 must have a “10” for DoDAAC followed by actual DoDAAC in N104 and “33” reported in N105.

GFP Receipt - Losing ACO DoDAAC:

-N/A, Not used.

GFP- Gaining ACO DoDAAC:

-If N101 is “7D”, then N103 must have a “10” for DoDAAC, followed by the actual DoDAAC in N104 and “38” reported in N105.

GFP Receipt - Gaining ACO DoDAAC:

If N101 is “7D”, then N103 must have a “10” for DoDAAC, followed by the actual DoDAAC in N104 “38” reported in N105.

BY Buying Party (PCO DoDAAC) Notes:

GFP- Losing PCO DoDAAC:

-If N101 is “BY”, then N103 must have a “10” for DoDAAC, followed by the actual DoDAAC in N104 and “33” in N105.

GFP Receipt - Losing PCO DoDAAC:

N/A, Not used.

GFP- Gaining PCO DoDAAC:

-If N101 is “BY”, then N103 must have “10” for DoDAAC, followed by the actual DoDAAC in N104 and “38” reported in N105.

***GFP Receipt - Gaining PCO DoDAAC*:**

-If N101 is “BY”, then N103 must have “10” for DoDAAC, followed by the actual DoDAAC in N104 and “38” reported in N105.

IAO Manager (Program Manager DoDAAC)

GFP- Losing Program Manager CAGE/DoDAAC:

-If N101 is “IAO”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor or a “10” for a DoDAAC for a Government entity, followed by the actual CAGE, DUNS, DUNS+4 or DoDAAC in N104 and “33” in N105.

GFP Receipt - Losing Program Manager CAGE/DoDAAC:

-N/A, Not used.

GFP- Gaining Program Manager CAGE/DoDAAC:

-If N101 is “IAO, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor or a “10” for a DoDAAC for a Government entity, followed by the actual CAGE, DUNS, DUNS+4, or DoDAAC in N104 and “38” in N105.

***GFP Receipt - Gaining Program Manager CAGE/DoDAAC**:*

-If N101 is “IAO”, then N103 must have a “33 for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor, or a DoDAAC for a Government entity followed by actual CAGE, DUNS, DUNS+4, or DoDAAC in N104 and “38” in N105.

KA Item Manager (Property Manager CAGE/DoDAAC):

GFP- Losing Property Manager CAGE/DoDAAC:

-If N101 is “KA”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor, or a “10” for a DoDAAC Government entity, followed by the actual CAGE, DUNS, DUNS+4, or DoDAAC in N104 and “33” in N105.

***GFP Receipt - Losing Property Manager CAGE/DoDAAC**:*

-N/A, Not used.

***GFP Gaining Property Manager CAGE/DoDAAC**:*

-If N101 is “KA” then N103 must have a “33” for CAGE for a Contractor, or a “10” for a DoDAAC Government entity, followed by the actual CAGE/DoDAAC in N104 and “38” in N105.

***GFP Receipt - Gaining Property Manager CAGE/DoDAAC**:*

-If N101 is “KA”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 for a Contractor or a “10 for DoDAAC, followed by the actual location code in N104 and “38” in N105.

C4 Contract Administration Office (Contractor Contract Administrator CAGE) Notes:

GFP- Losing Contractor Contract Administrator:

-If N101 is “C4”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 followed by the actual CAGE, DUNS, or DUNS+4 in N104 and “33” in N105.

GFP Receipt - Losing Contractor Contract Administrator:

-N/A, Not used.

GFP- Gaining Contractor Contract Administrator:

-If N101 is “C4”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 followed by the actual CAGE, DUNS, or DUNS+4 in N104 and “38” in N105.

GFP Receipt - Gaining Contractor Contract Administrator:

-If N101 is “C4”, then N103 must have a “33” for CAGE, “1” for DUNS, or “9” for DUNS+4 followed by the actual CAGE, DUNS, or DUNS+4 in N104 and “38” in N105.

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

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

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

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

Segment	***Description***	***Element***	***GFP iRAPT Min/Max***	***GFP iRAPT Req.***	***GFP iRAPT Receipt***	***iRAPT Notes***	***Type***
N201	Name – free form	93	1/60	C	C	Name Activity 2	AN
N202	Name – free form	93	1/60	O	O	Name Activity 3	AN

Sample:

N2^Name Activity 2

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

NOTES: There may be up to two instances of the N3 for each N1 Loop.

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

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

Segment	***Description***	***Element***	***GFP iRAPT Min/Max***	***GFP iRAPT Req.***	***GFP iRAPT Receipt***	***iRAPT Notes***	***Type***
N301	Address Information	166	1/55	C	C		AN
N302	Address Information	166	1/55	O	O		AN

Sample:

N3^Address Information

1.21 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.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
N401	City Name	19	2/30	C	C		AN
N402	State or Province Code	156	2/2	C	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	C	If the Ship To Address is an APO or FPO, then cite the APO or FPO Zip Code.	ID
N404	Country Code	26	2/3	C	C		ID
N405	Location Qualifier	309	2/2	C	C	Enter AR for Armed Service Location Designator (for APO/FPO).	ID
N406	Location Identifier	310	2/6	C	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^SP^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.

1.22 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 PG (Shipper) code to identify user-submitting transaction – User ID when Transfer Type in iRAPT is “VV”, “VG”, “GG”, “GV” and “CC”.

PER must be entered as part of the N1 Loop for AQ (Receiver) code to identify user-submitting transaction – User ID when Transfer Type in iRAPT is “VRC”, “VRD”, “GR”, “GRD”, “GG-Receipt” “VV-Receipt”, “VG-Receipt”, “GV-Receipt” or “SV-Receipt”.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
PER01	Contact Function Code	366	2/2	M	M	IC Information Contact	ID
PER02	Name	93	N/A	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	C	Only used when submitting the N1 Loop for email addresses. EM – Electronic Mail	ID
PER04	Communication Number	364	1/80	C	C	Only used when submitting the N1 Loop for email addresses. Enter email address.	AN
PER05	Communication Number Qualifier	365	2/2	C	C	Only used when submitting the N1 Loop for email addresses. EM – Electronic Mail	ID

PER06	Communication Number	364	1/80	C	C	Only used when submitting the N1 Loop for email addresses. Enter email address.	AN
PER07	Communication Number Qualifier	365	2/2	C	C	Only used when submitting the N1 Loop for email addresses. EM – Electronic Mail	ID
PER08	Communication Number	364	1/80	C	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

1.23 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 in HL03 = P Loop to report multiple CLINS if necessary with pack data. Use this segment with the REF Segment, Pos. 150 when REF01=JH.

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
SDQ01	Unit or Basis for Measurement Code	355	2/2	M	M	iRAPT only accepts “ZZ”.	ID
SDQ02	ID Code Qualifier	66	1/2	N/A	N/A	Not used.	N/A
SDQ03	ID Code	67	1/6	O	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	O	Quantity of the CLIN/SLIN associated with the RFID in HL03=P RFID Loop as noted in SDQ03.	R8.2
SDQ05	ID Code	67	2/80	O	O		AN
SDQ06	Quantity	380	1/11	O	O		R8.2
SDQ07	ID Code	67	2/80	O	O		AN
SDQ08	Quantity	380	1/11	O	O		R8.2
SDQ09	ID Code	67	2/80	O	O		AN
SDQ10	Quantity	380	1/11	O	O		R8.2
SDQ11	ID Code	67	2/80	O	O		AN
SDQ12	Quantity	380	1/11	O	O		R8.2
SDQ13	ID Code	67	2/80	O	O		AN
SDQ14	Quantity	380	1/11	O	O		R8.2
SDQ15	ID Code	67	2/80	O	O		AN
SDQ16	Quantity	380	1/11	O	O		R8.2
SDQ17	ID Code	67	2/80	O	O		AN
SDQ18	Quantity	380	1/11	O	O		R8.2
SDQ19	ID Code	67	2/80	O	O		AN

SDQ20	Quantity	380	1/11	O	O		R8.2
SDQ21	ID Code	67	2/80	O	O		AN
SDQ22	Quantity	380	1/11	O	O		R8.2

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^^0011^2^0012^2^0013^2^0014^2^0015^2^0016^2^00017^2^0018^2^0019^2^0020^2

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^^0011^2^0012^2^0013^2^0014^2^0015^2^0016^2^00017^2^0018^2^0019^2^0020^2

1.24 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).

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
CUR01	Entity ID Code	98	2/3	M	N/A	iRAPT only accepts “BY” for the Buying Party (Purchaser). “BY” must be capitalized.	ID
CUR02	Currency Code	100	3/3	M	N/A		ID

Sample:

CUR^BY^USD

1.25 SAC Segment – Service, Promotion, Allowance or Charge Info, Pos. 320 – Detail – Not Used

1.26 GF Segment – Furnished Goods and Services, Pos. 330 – Detail

NOTES: There may be one instance of the GF Segment to identify GFP contract number(s) for iRAPT.

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

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
GF01	Reference No Qualifier	128	N/A	N/A	N/A	Not used.	N/A
GF02	Reference No.	127	N/A	N/A	N/A	Not used.	N/A
GF03	Contract Number	367	1/19	C	C	Losing Contract Number No special characters allowed. GFP: If iRAPT Transfer codes are “GR”, “VV,” “VG,” “CC”, then GF03 is mandatory. Note: “GRD”, “GV”, “VRC”, “VRD” are N/A. D2D: If iRAPT Transfer code is “GG”, then enter the Losing Contract Number in GF03 and a Shipment Number is also required in BSN02. If the Losing Contract Number is NOT entered in the GF Segment (GF03), then a Transfer Document Number is required in the BSN Segment (BSN02). GFP Receipt: If code is “VG”, “VV”, or “SV”, then this Field is mandatory. Note: “GV” is N/A.	AN

	DoD Contract (FAR) Uniform PIID (FAR 4.16)		13/13 13/17			If Contract Number Type is “DoD Contract (FAR),” please see notes below for Contract Number Edits. If Contract Number Type is “Uniform PIID (FAR 4.16),” please see notes below for Contract Number Edits.	
GF04	Monetary Amount	782	N/A	N/A	N/A	Not used.	N/A
GF05	Reference No. Qualifier	128	2/2	O	O	CT – Contract Number	ID
GF06	Reference No.	127	1/19	O	O	Gaining Contract Number No special characters allowed. GFP: If iRAPT Transfer code is “CC”, “GV”, “VRC” or VRD”, then this Field is mandatory. If iRAPT Transfer Code is “VV” then this Field is optional if already supplied by Shipper, otherwise it is mandatory. “GR” is N/A. D2D: If iRAPT Transfer code is “GG”, a Gaining Contract Number can be reported in GF06. Note: iRAPT allows the entry of a Gaining Contract Number when creating D2D using a Transfer Document Number in the BSN Segment (BSN02).	AN

						D2D: If iRAPT Transfer code is “GRD” and Property Receiver enters a Gaining Contract Number in GF06, then the document uniqueness in iRAPT will be based upon Gaining Contract Number/Delivery Order Number/Shipment Number. Also, a Shipment Number is required in BSN02. If the Gaining Contract Number is NOT entered in the GF Segment (GF06), then a Transfer Document Number is required in BSN02. GFP Receipt: If iRAPT Transfer Code is “VV”, this Field is optional. If not entered by the Shipper, then this Field is mandatory. If iRAPT Transfer Code is “GV” or “SV”, then this Field is mandatory. Note: “VG” is N/A.	
	DoD Contract (FAR)		13/13			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 is “Uniform PIID (FAR 4.16),” please see notes below for Contract Number Edits.	
GF07	Release No.	328	0/19	C	C	Losing Delivery Order Number.	AN

						No special characters allowed. Use to identify the SPIIN Number (Delivery Order Number) of the Losing GFP contract. Use only when transferring GFP from one contract to another contract.	
	DoD Contract (FAR)		13/13			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.	
GF08	Reference No. Qualifier	128	2/2	O	O	RE – Release Number	ID
GF09	Reference No.	127	0/19	C	C	Gaining Delivery Order Number No special characters allowed. Use to identify the SPIIN Number of the recipient GFP contract. Use only when transferring GFP from one contract to another contract.	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:

GF^^^PIIN^^CT^ContractNumber^SPIIN^RE^SPIIN Recipient

Notes:

For DSS, the Contract Number must be 13 alphanumeric characters with no spaces: 7th and 8th positions must be numeric; 9th position must be an alpha character. If the letters “A”, “D” or “G” are entered in the 9th position, a Delivery Order Number is required. The letters “O” and “I” may not be used within the Contract Number. (For D2D - this note does not apply when scenarios “GG” and “GRD” are used).

GF Contract Number and Delivery Order Edits

Contract Type is “DoD Contract (FAR)”; Fiscal Year 18 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 18 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 18 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 Property, Delivery Order is required when the 9th position of the Contract Number is A or G.

Contract Type is "DoD Contract (FAR)"; Fiscal Year 17 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 18 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 Property, Delivery Order required when the ninth position of Contract Number is A 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 Property, Delivery Order is required when the 9th position of the Contract Number is A or G.

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

NOTES: There may be one instance of the LM Segment in the Line Item Loop (HL03=I).

This segment is used only in the Line Item Loop when ship advice codes vary by Line Item.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
LM01	Agency Qualifier Code	559	2/2	O	O	See list below.	ID

Sample:

LM^DF

<u>LM01</u> - ***Agency Qualifier Code***

DF Department of Defense (DoD)

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

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

NOTES: There must be one instance of the LQ Segment per LM loop at the Line Item Level (HL03=I).

iRAPT accepts LM/LQ at the Line Item Loop HL03 = I and Serial Number / Supply Condition Code Loop HL03 = G.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
LQ01	Code List Qualifier Code	1270	1/2	O	C	See list below.	ID
LQ02	Industry Code	1271	1/1	O	C	See list below.	AN

Sample:

LQ^14^E
LQ^83^A

Note:

- iRAPT only accepts LQ01 = "14" in the Line Item Loop (HL03 = I).
- If one supply condition code is entered, supply condition codes must be provided for the rest of the Serial Numbers and UIDs.
- When a Supply Condition Code is entered at the Line Item Level, that Supply Condition Code will automatically be populated to all UIDs and Item Serial Numbers on that Line Item. If a Supply Condition Code is also entered at the UID or Item Serial Number Level, that condition code will take precedence over the code at the Line Item Level.

LQ01 - ***Code List Qualifier Code***

Detail Level

14 Contract Shipment Advice Code (Line Item Loop, HL03 = I)

83 Supply Condition Code (Serial Number/Supply Condition Code Loop, HL03 = G)

LQ02 - ***Industry Codes***

Accepted in Line Item Loop (HL03 = I)

Detail Level

A Components Missing

B Missing Components Furnished

C Quantity Increase

D Quantity Decrease

E Replacement

F Shipped and held in bond at contractor's plant

G Shipped and held as GFP

H Shipped/Performed as Required

Z Underrun Quantity

LQ02 – ***Industry Codes***

Supply Condition Codes; Accepted in Serial Number/Supply Condition Code Loop (HL03 = G)

Detail Level

A Serviceable (Issuable Without Qualification)

B Serviceable (Issuable With Qualification)

C Serviceable (Priority Issue)

D Serviceable (Test/Modification)

E Unserviceable (Limited Restoration)

F Unserviceable (Reparable)

G Unserviceable (Incomplete)

H Unserviceable (Condemned)

J Suspended (In Stock)

K Suspended (Returns)

L Suspended (Litigation)

M Suspended (In Work)

N Suspended (Ammunition Suitable For Emergency Combat Use Only)

P Unserviceable (Reclamation)

Q Suspended (Product Quality Deficiency)

R Suspended (Reclaimed Items, Awaiting Condition Determination)

S Unserviceable (Scrap)

V Unserviceable (Waste Military Munitions)

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

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

Segment	*Description*	*Element*	*GFP iRAPT Min/Max*	*GFP iRAPT Req.*	*GFP iRAPT Receipt*	*iRAPT Notes*	*Type*
SE01	Number of Included Segments	96	1/10	M	M	Total number of Segments, including ST and SE.	N0
SE02	Transaction Set Control Number	329	4/9	M	M	Same number as in ST02.	AN

Samples:

SE^250^0012