WideAreaWorkFlow
e-Business Suite

EDI Guide - Appendix A
810C - Invoice & Invoice 2n1 & Energy Invoice

Version 5.10.0
February 2017

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:
11/23/2016	11/23/2016
X Kim Mironov	X Aimee Ivey
Kim Mironov iRAPT FTP/EDI Technical Writer Signed by: Kim Mironov	Aimee Ivey iRAPT EDI Technical Manager Signed by: aivey

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	10/09/12	ECP_0725 - FTP/EDI Guide Changes REF Pos.50: Added “ACC” to REF01 and “Draft” to REF02 for Draft Indicator; Added Sample and “ACC” to code list
5.4.0-3	12/6/12	WIT Issue 2501 v5.4 SIT REF Pos.50: Added additional “Draft” information to notes section
5.4.0-4	12/13/12	WIT Issue 2467 v5.4 SIT BIG Pos.20, BIG05: Updated Grant to Grant/Cooperative Agreement and added Non-Procurement Instruments to Description and Notes columns. BIG Pos.20: BIG Pos.20: Removed Shipment Number from notes for Void & Replace REF Pos.50, REF02: Updated Grant to Grant/Cooperative Agreement and added Non-Procurement Instruments to ”D” REF Pos.20: Removed initial notes referencing FA2 segment and removed sample that referenced SLN, FA1 and FA2 segments.
5.4.0-5	01/23/13	WIT Issue 2467 v5.4 SIT BIG Pos.20 - Updated Notes section with: Shipment Number, (REF02 at position 120 when REF01 = SI or FS)
5.4.1-1	02/19/13	CAMCG196 Updated to Version 5.4.1, July 2013
5.4.1-2	02/25/13	ECP_0727 - FTP/EDI Guides IT1 Pos.010, IT101: Added MOCAS edit – 4N, 4N2A, 1A3AN, “NONE” or “NONE”NN
5.5.0-1	06/06/13	CAMCG211 Updated to Version 5.5.0, January 2014
5.5.0-2	06/17/13	ECP_0742 FTP/EDI Guides IT1 Pos.010 IT101: Updated One Pay to 4N or 4N2A
5.5.0-3	06/18/13	ECP_0747 FTP/EDI Guides N1 Pos.070: Added Accept By sample and KZ to Entity Identifier Codes
5.5.0-4	08/01/13	WIT Issue 3048 v5.4.1 OAT 2_GUIDES DR_3048 SAC Pos.180, SAC02 ‘Notes’ column updated to read: If taxes are entered, the statement "Are all taxes reflected in the original contract applicable to this Invoice?" will default to 'N'. If taxes are not entered, this will default to 'Y'.
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 IT1 Pos.010 - IT103: 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	01/21/14	WAWF-233 WIT Issue 3630 v5.5 OAT 2 TXI Pos.020: Added “EBS allows up to three taxes per Energy Invoice.” to list

		of bullets under iRAPT Payment System Edit Notes. N1 Pos.070: Updated Notes for N101 to “For CICON and 2n1, only SV is allowed, not ST for Ship To. All other Invoices may use SV or ST for Ship To.”
5.6.0-4	04/06/14	WAWF-323 ECP0761 - FTP/EDI Guide Updates IT1 Pos. 010, IT01: Added “The letters “I” and “O” may not be used within the Line Item Number.”
5.6.0-5	03/18/14	WAWF-487 WIT Issue 3758 v5.6 FTP Guide - Appendix A - Line 16 All Stock Part Number references updated to Product/Service ID and Stock Part Number Type references to Product/Service ID Qualifier.
5.6.0-6	04/24/14	WAWF-878 ECP_0764 - Guide updates for Product/Service ID length IT1 Pos.010: IT107 updated Max length to 48 and Notes 3rd bullet at bottom to 13/13 for “FS”
5.6.0-7	04/24/14	WAWF-861 WIT Issue 3951 v5.6 SIT ECP 764 5.6b1f2: Guide issues for Product/Service ID IT1 Pos.010: IT106 – Added note to refer to Lookup list on web; Removed list of Product/Service ID Qualifiers from the bottom
5.6.0-8	05/20/14	WAWF-1007 Updated Delivery Order Nos. to 0015 on header
5.6.0-9	07/08/14	WAWF-1283 Updated to Version 5.6.0, October 2014
5.6.0-10	07/17/14	IUID-503 IT1 Pos.010, 3rd Bullet – First sentence: Updated to ‘If Product/Service ID Qualifier in IT106 is FS, then the Product/Service ID (NSN) must be 13 numeric characters reported in IT107.’
5.6.0-11	08/19/14	WAWF-1449 BIG Pos.020- BIG04: Added “Positions 10 through 13 may not be “0000”.” to Contract Number edits for DoD FAR Contract. BIG05: Added “Letters “I” and “O" are not allowed. The characters “A” and “P” are prohibited in the first position. “0000” is not an acceptable value.” to Delivery Order edits for DoD FAR Contract.”
5.7.0-1	10/22/14	WAWF-1760 Updated to Version 5.7.0, April 2015
5.7.0-2	10/30/14	WAWF-1571 ECP0799 - Guide changes BIG Pos. 020- Added code “CO” to BIG08- Transaction Purpose Codes REF Pos. 050- REF02: Added “If “PX” is entered in REF01, enter the Lookup Invoice Number in REF02.” Added sample. Added code “PX” to REF01- Reference ID Qualifier.
5.7.0-3	11/03/14	WAWF-1519 ECP 0803 FTP/EDI Guides BIG pos. 020- BIG07: Transaction Type Codes- Noted that code “U9” applies to CAPS-W.

		N1 pos. 070- Added note that LPO is optional for CAPS-W in Payment Systems Requirement Notes. ITD pos. 130- Added “Discount amount not allowed.” to CAPS-C/W in iRAPT Payment System Edit Notes. IT1 pos. 010- IT101, IT104: Added CAPS-W.
5.7.0-4	11/11/14	WAWF-1556 ECP0731 - FTP/EDI Guide Updates N1 pos. 070- Added “FE” to N101 Codes. Added segments N105 and N106. Added sample. PER pos. 120- Added “CN” to PER01- Contact Function Code. PER02: Added conditional notes Added segments PER03-PER08. Added sample.
5.7.0-5	11/12/14	WAWF-1519 ECP0803 FTP/EDI Guides SAC pos. 040- Moved ” NAVCON does not allow Miscellaneous Charges or Allowances.” from One Pay iRAPT Payment System Edit Notes to first notes section under SAC segment. IT1 pos. 010- IT104: Updated MOCAS, One Pay, CAPS-W type to R9.6.
5.7.0-6	02/03/15	WAWF-1908 ECP0794 guide updates BIG pos.020- BIG04: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) BIG05: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16) Added BIG04 and BIG05 Contract Number and Delivery Order Edits REF pos. 050- REF02: Added S Uniform PIID (FAR 4.16)
5.7.0-7	05/06/15	iRAPT-53 IT1 pos. 010- IT106: Added SW to valid EBS codes
5.8.0-1	06/23/15	WAWF-2407 Updated to Version 5.8.0, November 2015
5.8.0-2	06/26/15	iRAPT-69 ECP0799

		BIG pos. 020- Added notes for BIG02 and BIG08 for Energy Price Corrected Invoice. REF pos. 050- Added the following to notes section: When creating an Energy Price Corrected Invoice, enter the Lookup Invoice Number in REF02 where REF01 = PX.
5.8.0-3	07/06/15	WAWF-2427 ECP0794 BIG pos. 020- Updated fiscal year in BIG04 and BIG05 Contract Number and Delivery Order Edits
5.8.0-4	08/23/15	DR 1274 BIG pos. 020- BIG09: Updated min/max and requirement Notes: Added “If ‘IN’ is entered, the Final Invoice Indicator in iRAPT will be set to ‘N’.” BIG09- Action Code: Added “IN” REF pos. 050: Added “If the Shipment Number is blank on the Invoice 2n1, the Invoice Number will be used as the Shipment Number (except for MOCAS and EBS which requires a Shipment Number be included). If the shipment number is defaulted to the invoice number, then the final shipment indicator will be defaulted to the value of the final invoice indicator.”
5.9.0-1	12/18/15	WAWF-2762 Updated version to 5.9.0, updated deployment date to June 2016
5.9.0-2	01/20/16	IRAPT-1010 N1 pos. 070- N101: Added “Supplies/Services indicators will be ignored for Credit Invoices”. BIG pos. 020- Notes- BIG08: Added “Void and Void and Replace action types are unavailable for Credit Invoices”. BIG09: Added “This segment will be ignored for Credit Invoices”. REF pos. 050- REF01: Added “Bill of Lading will be ignored by Credit Invoices”. REF01- Reference ID Qualifier: Added 8V. REF02: Added “If ‘8V’ is entered in REF01, enter the Bill of Collection number in REF02”. Added sample. ITD pos. 130- Note: Added “Discounts will be ignored for Credit Invoices”. IT1 pos. 010- IT106: Added “This segment will be ignored for Credit Invoices”.

		IT107: Added “This segment will be ignored for Credit Invoices”. BIG pos. 020- BIG07- Transaction Type Codes: Added CN.
5.9.0-3	01/26/16	IRAPT-1042 REF pos. 050- REF01: Added 14- Master Account Number REF02: Added “If ‘14’ is entered in REF01, enter the Billing Account Number in REF02. AN and special characters are permitted.” Added sample. Added DTM segment pos. 140 ITD pos. 130- iRAPT Payment System Edit Notes: Added “When the payment and acceptance location codes are FABS, any Discounts submitted with the 2N1 will be ignored.” N1 pos. 070- Payment Systems Requirements Notes: Added “If the Payment Location is FABS, the Acceptance Location must also be FABS.” Added “If the Acceptance Location is a FABS location, the Payment Office must also be FABS.”
5.9.0-4	02/04/16	IRAPT-913 BIG pos. 020- Notes: BIG04- Added “EDA contracts used to create Fast Pay Invoices must contain a Fast Pay Clause”. REF pos. 050- Notes: REF02- Added “Creating a Fast Pay Invoice from an EDA contract: If the document is submitted without an Accept By location code or with an Accept By location code which is an active registered user for the role, the system will verify the Shipment Number is a valid, non-voided Receiving Report”. General Instructions- Notes: Added the following- If an Invoice is submitted and identified as a possible duplicate, the log will include the following warning message: “Please verify that this document is not a duplicate of INVNO001." This validation will not prevent the document from being created. Invoices are identified as a possible duplicate when the following criteria is met: • Contract Number and Delivery Order Number match. • Request/Invoice/Voucher Number match, excluding the trailing alpha character. • Previously submitted document status is not void. • Invoices must have the same gross amount. • Period of Performance Dates, Service Start/End Dates, and Estimated Delivery Date match.

		• For each matching Line Item, the Quantity Shipped and Unit Price match.
5.9.0-5	02/07/16	WAWF-2885 ITD pos. 130- iRAPT Payment System Edit Notes: MOCAS- Removed ITD04 and ITD08.
5.9.0-6	04/04/16	IRAPT-1193 REF pos. 050- REF01: Entered: “Enter ‘AH’ for Communication Service Agreement Number”. REF01- Reference ID Qualifier: Added ‘AH’ REF02: Entered Communication Service Agreement Number Notes: Added “When creating a Commercial Invoice 2-in-1 (Services Only) where the Acceptance and Payment locations equate to the FABS system, the application will require entry of the Communications Service Agreement Number.”
5.9.0-7	04/05/16	IRAPT-1242 DTM pos. 140- Notes: Added “When creating an Invoice 2-in-1 (Services Only) where the Acceptance location code equates to FABS, the system will require the entry of Performance From and Performance To Dates. The fields will be labeled as ‘Billing Period From’ and ‘Billing Period To’.” REF pos. 050- REF01: Updated "Communication Service Agreement Number" to "Communication Service Authorization". REF02: Updated "Communication Service Agreement Number" to "Communication Service Authorization".
5.9.0-8	05/03/16	IRAPT-1279 IT1 pos. 010- IT102: Added “For Credit Invoice, Quantity Shipped must be negative”.
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	11/17/16	IRAPT-1721 BIG pos. 020- BIG04 and BIG05 Contract Number and Delivery Order Edits: Increased fiscal year requirements by 1 for all edits of contract type DoD Contract (FAR).

This page intentionally left blank.

TABLE OF CONTENTS

1 GENERAL INSTRUCTIONS 1

1.1 ST Segment – Transaction Set Header, Pos. 010 - Header 5
1.2 BIG Segment – Beginning Segment for Invoice, Pos. 020 - Header 6
1.3 NTE Segment – Note/Special Instruction, Pos. 030 - Header 11
1.4 CUR Segment – Currency, Pos. 040 – Header 13
1.5 REF Segment – Reference Identification, Pos. 050 - Header 14
1.6 N1 Segment – Name Segment, Pos. 070 - Header 21
1.7 N2 Segment, Pos. 080 - Header 25
1.8 N3 Segment, Pos. 090 - Header 26
1.9 N4 Segment, Pos. 100 -Header 27
1.10 PER Segment – Administrative Communications Contact, Pos. 120 - Header 28
1.11 ITD Segment – Terms of Sale/Deferred Terms of Sale, Pos. 130 - Header 30
1.12 DTM Segment – Date/Time Reference, Pos. 140 – Header 33
1.13 IT1 Segment – Base Item Data, Pos. 010 - Detail 34
1.14 PID Segment – Product/Item Description, Pos. 060 - Detail 38
1.15 REF Segment – Reference Identification, Pos. 120 - Detail 39
1.16 CAD Segment – Carrier Detail, Pos. 160 - Detail 46
1.17 SAC Segment – Service, Promotion, Allowance or Charge Information, Pos. 180 – Detail 47
1.18 TXI Segment – Tax Information, Pos. 190 – Detail 49
1.19 N1 Segment – Name Segment, Pos. 240 - Detail 51
1.20 LM Segment – Code Source Information, Pos. 300 – Detail 52
1.21 LQ Segment – Industry Code, Pos. 310 – Detail 53
1.22 TDS – Segment – Total Monetary Value Summary, Pos. 010 - Summary 55
1.23 TXI Segment – Tax Information, Pos. 020 - Summary 57
1.24 SAC Segment – Service, Promotion, Allowance or Charge Information, Pos. 040 - Summary 59
1.25 CTT Segment – Transaction Totals, Pos. 070 - Summary 62
1.26 SE Segment – Transaction Set Trailer, Pos. 080 - Summary 63

This page intentionally left blank.

1 General Instructions

The following pages represent the iRAPT Data Element/Segment Cross Reference for reporting 810C EDI data 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 810C (Commercial, Fast Pay, CICON for Construction Invoices, Invoice 2n1, NAVCON for Navy Construction Invoices and Energy Invoices.) X12 transactions into Invoicing, Receipt, Acceptance and Property Transfer (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. 050) to associate the attachment with the transaction.

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

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

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

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

Website for detailed UID information:

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

Website for detailed RFID information:

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

Each Segment table includes the following:

1. Data Segment — X12 Segment
2. Description — X12 Name
3. Element — X12 Data Element Reference Number
4. Format & Min/Max — Specific to iRAPT, not ANSI X12
5. Requirements — Depicts whether the Segment is:

   M – Mandatory – Usage is required.

   O – Optional – Can be used or not used.

   C – Conditional – Contingent upon another criteria being met. (Field is not mandatory or optional, e.g. Extension Fields to Department of Defense Activity Address Codes (DoDAAC); use if a DoDAAC is present.) See Notes Column for specific instructions.

   N/A – Not Allowed
6. iRAPT Notes — Contains notations of the Field's usage or restrictions

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

- **Nv** Numeric Field where v = number of decimal positions, decimal 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 as "3.5"
- **ID** Identifier
- **AN** Alpha/Numeric String
- **DT** All date Fields will use format CCYYMMDD
- **TM** All time Fields will use the format HHMMSS

Notes:

- Above and below each Segment there are notes pertaining to iRAPT. The values that iRAPT accepts are also noted. By default, iRAPT rejects all codes not identified in this guide. In cases where iRAPT ignores a code instead of rejecting the document, a comment to that effect will be displayed in the Segment.
- 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.
- Currency codes that allow exactly two positions to the right of the decimal may be submitted via EDI.

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

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

  - When the amount field is defined as a numeric field (N2), the decimal positions must be submitted with one or two zeros as needed to meet the X12 requirement that exactly two decimals are required for N2 fields.
  - When the amount field is defined as a decimal number field (R) or an alpha/numeric string (AN),
    - The system will pad zeroes to right of the decimal point up to the number of digits allowed for a Currency Code.
    - The system will drop zeroes to the right of the decimal point if they exceed the number of digits allowed for a Currency Code.
    - If a non-zero number is given to the right of the maximum number of allowable decimal places as specified by the Currency Code, an error will be given.
- If an Invoice is submitted and identified as a possible duplicate, the log will include the following warning message: “Please verify that this document is not a duplicate of INVNO001." This validation will not prevent the document from being created. Invoices are identified as a possible duplicate when the following criteria is met:
  - Contract Number and Delivery Order Number match.
  - Request/Invoice/Voucher Number match, excluding the trailing alpha character.
  - Previously submitted document status is not void.
  - Invoices must have the same gross amount.

- Period of Performance Dates, Service Start/End Dates, and Estimated Delivery Date match.
- For each matching Line Item, the Quantity Shipped and Unit Price match.

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

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

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
ST01	Transaction Header	143	3/3	M	810	ID
ST02	Transaction Set Control Number	329	4/9	M	Identifying Control Number by Originator	AN

Sample:

ST^810^0023

1.2 BIG Segment – Beginning Segment for Invoice, Pos. 020 - Header

NOTE: There must be only one instance of BIG per transaction.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
BIG01	Date	373	8/8	M	CCYYMMDD Date of Invoice	DT
BIG02	Invoice Number MOCAS EBS	76	1/22 1/8 1/16	M	Invoice Number The Invoice Number will be converted to upper case. For Energy Price Corrected Invoice, see notes below.	AN
BIG03	Date	373	8/8	O	CCYYMMDD – PO Date – Contract Issue Date	DT
BIG04	Purchase Order Number DOD Contract (FAR) Uniform PIID (FAR 4.16)	324	1/19 13/13 13/17	M	PO Number Contract No. No special characters allowed. 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. Enter GSA Contract Number in the REF02 Segment: Reference Procurement Instrument Number.	AN
BIG05	Release Number	328	0/19	C	Release Number – Delivery Order No.	AN

					No special characters allowed.	
	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 Type is “Uniform PIID (FAR 4.16),” please see notes below for Delivery Order Edits.	
BIG06	Change Order Sequence Number	327	N/A	N/A	Not used.	N/A
BIG07	Transaction Type Code	640	2/2	M	See below.	ID
BIG08	Transaction Set Purpose Code	353	2/2	M	See below.	ID
BIG09	Action Code	306	1/2	M	See below. This segment will be ignored for Credit Invoices.	ID

Samples:

BIG^20081001^000001^20080814^N0038399D9901^0004^^DI^00^F (Final)

BIG^20081001^000001^20080814^N0038315D9901^0004^^RH^00^IN (Not Final)

BIG^20081001^000001^20080814^N0038399D9901^0004^^DI^01^F (Void)

BIG^20081001^000001^20080814^N0038399D9901^0004^^DI^05^F (Void & Replace)

Notes:

BIG02 – When creating an Energy Price Corrected Invoice, the Invoice number should begin with the appropriate prefix. For example, if the original Invoice Number were INV0001, the first Energy Price Corrected Invoice Number would be UPADJAINV0001, followed by UPADJBINV0001, UPADJCINV0001, etc. If the prefix is not included, iRAPT will automatically generate the prefix.

BIG04 – EDA contracts used to create Fast Pay Invoices must contain a Fast Pay Clause.

BIG08 – Enter “CO” to create an Energy Price Corrected Invoice. When creating an Energy Price Corrected Invoice, enter the Lookup Invoice Number in the REF02 at Position 050 where REF01 = ‘PX’. When an Energy Invoice is submitted with the Correction Indicator set and without a Lookup Invoice Number, a new Energy Price Corrected Invoice will be created. When an Energy Invoice is submitted with the Correction Indicator set and with a Lookup Invoice Number, iRAPT will attempt to locate the original Energy Invoice using the CAGE Code, Contract Number, Delivery Order Number, Pay DoDAAC, and Lookup Invoice Number. If a document is found, a new Energy Price Corrected Invoice will be created using the previous invoice as a template. While all mandatory data elements must be submitted in the transaction to satisfy EDI X12 requirements, only the unit price for the line items will apply to the Energy Price Corrected Invoice. If a document cannot be found based on the Lookup Invoice Number, a new Energy Price Corrected Invoice will be created.

For Void or Void & Replace documents (when BIG08 = “01” for Void or “05” for Void & Replace, the following Key data elements cannot be changed:

Contract Number, (BIG04)
Delivery Order Number, (BIG05)
Invoice Number, (BIG02)
Shipment Number, (REF02 at position 120 when REF01 = SI or FS)

Void and Void and Replace action types are unavailable for Credit Invoices.

BIG09 – If “F” is entered, Final Invoice Indicator in iRAPT will be set to “Y”. If “IN” is entered, the Final Invoice Indicator in iRAPT will be set to “N”.

BIG04 and BIG05 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 Acquisition, Delivery Order is required when the 9th position of the Contract Number is A, D, or G.

<u>Contract Type is “DoD Contract (FAR)”; Fiscal Year 17 and prior</u>

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 Acquisition, Delivery Order is required when the ninth position of Contract Number is A, D or G.
- Delivery Order is 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.

<u>Contract Type is “Uniform PIID (FAR 4.16)”</u>

Contract Number Edits:

- No special characters allowed.
- Must be 13 to 17 characters in length, inclusive.
- Contract cannot contain "O" or "I" at any position.
- First 6 positions must be a valid government FEDAAC.
- Positions 7 and 8 (FY parameter) must be numeric and 16 or greater.
- Position 9 must be alpha.
- Position 9 cannot be: B, E, I, J, O, Q, R, U, W, X, Y, or Z.
- Position 10 through the end of the Contract Number may not be all zeroes.

Delivery Order Number Edits:

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

BIG07 - ***Transaction Type Codes***

DI	Debt Invoice
PB	Construction (PB code not used for MOCAS)
U9	Contract Payment Notice (use for NAVCON, Navy Construction Invoice. If Field 1 is NAVCON, this is for One Pay and CAPS-W only)
VJ	Invoice 2n1
CN	Credit Invoice

BIG08 – ***Transaction Purpose Codes***

00	Original
01	Void
05	Void & Replace
CO	Correction Indicator

BIG09 - ***Action Code***

F	Final
IN	Not Final

1.3 NTE Segment – Note/Special Instruction, Pos. 030 - Header

NOTES: There may be one or more instances of NTE per transaction at the document level with a maximum of 100.

If NTE01=ZZZ then this segment is not used for NAVCON. This segment may only be used for One Pay Invoices and One Pay Fast Pay Invoices.

Comments are mandatory if there is a previously submitted final Invoice against the Contract Number and Delivery Order.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
NTE01	Note Reference Code	363	3/3	M	Enter "ADD" to submit Document Level Comments.	ID
NTE02	Description	352	2/22 1/80	C	If NTE01=ZZ, enter Reference Shipment Number(s) to be entered here in free-form. A maximum of 100 Shipment Numbers may be entered. If NTE01 = "ADD", enter Document Level Comments	AN

Samples:

<u>Single Reference Shipment Number at Document Level</u>

NTE^ZZZ^SHIP001

<u>Multiple Reference Shipment Numbers at Document Level</u>

ST^810^0007

BIG^20080213^KLS0014^20080213^KLS032207CIFP^^^DI^00

NTE^ZZZ^SHIP001

NTE^ZZZ^SHIP002

NTE^ZZZ^SHIP003

NTE^ZZZ^SHIP004

NTE^ZZZ^SHIP005

NTE^ZZZ^SHIP006

NTE^ZZZ^SHIP007

NTE^ZZZ^SHIP008

REF^SI^SHIP002^20080213

Document Level Comments

NTE^ADD^These are the initiators document level comments.

NTE01 - ***Reference Codes***

ZZZ – Reference Shipment Number

ADD – Document Level Comments

Notes:

- The delimiter character "^" is not allowed in comments.
- The comments will be concatenated into a single comment which may not exceed 2000 characters.

1.4 CUR Segment – Currency, Pos. 040 – Header

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

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

Sample:

CUR^BY^EUR

Notes:

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

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

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

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

1.5 REF Segment – Reference Identification, Pos. 050 - Header

NOTE: There may be up to twelve instances of REF per transaction.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
REF01	Reference Identification Qualifier	128	2/3	M	See code list below. Bill of Lading Type – Enter “BL” to indicate Government Bill of Lading or “BM” to indicate Commercial Bill of Lading. Bill of Lading will be ignored by Credit Invoices. If a code is used in REF01, then the associated REF02 and/or REF03 is required. REF03 is only required when “SI” or “FS” is entered in REF01. See below. For Fast Pay “FA” is mandatory. If “FA” is used in REF01, then REF02 must state the FAR CLAUSE noted below. Enter Attachment Code “E9” for attachments. If REF01 = “E9”, 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	ID

					with DOD Contract (FAR) will be applied to the inbound file and if not met the file will fail. Enter “CT” for Reference Procurement Instrument Number or GSA Number	
				O	Enter “12” for AAI Enter “CA” for SDN	
				M	Enter “AT” for ACRN Enter “ACC” for Status to capture Draft Indicator. See additional notes below.	
	FABS			C	Enter “AH” for Communication Service Authorization	
REF02	Reference Identification – number cited in Field 1 MOCAS, DCMA Administered, EBS	127	2/22 7/8 8/8 1/30 1/30 1/19 1/1	C	Shipment No. Shipment Number will be converted to upper case. See notes below for additional edits. Enter this number for Fast Pay, “52.213-1”. Bill of Lading Number – If REF01 = “BM”, enter Commercial Bill of Lading in REF02; If REF01 = “BL”, enter Government Bill of Lading in REF02. If REF01 = “E9”, enter the word “Attachment” in REF02 and the attachment name in REF03. If REF01 = “CT”, enter Reference Procurement Instrument Number or GSA Number in REF02 If “KL” is entered in REF01, enter the Contract Number Type in REF02, refer to the	AN

					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)	
	One Pay		1/6		If REF01= “12” enter AAI	
			1/30		If REF01= “CA” enter SDN	
			13/15		Standard Document Number (SDN) must be 13, 14 or 15 alphanumeric characters for One Pay when AAI is not found in the DOD AAI table. Standard Document Number (SDN) must be 9, 13, 14 or 15 alphanumeric characters for One Pay when AAI is found in the DOD AAI table.	
			2/2		If REF01= “AT” enter ACRN	
			5/5		If REF01 = “ACC” enter “Draft”	
			1/16		If “PX” is entered in REF01, enter the Lookup Invoice Number in REF02.	
			13/14		If “8V” is entered in REF01, enter the Bill of Collection number in REF02.	
			1/24		If “14” is entered in	

	FABS		16/20		REF01, enter the Billing Account Number in REF02. AN and special characters are permitted. Communication Service Authorization	
REF03	Description	352	1/80 1/80	C	Shipment Date, CCYYMMDD. REF03 is only required when “E9”, “SI” or “FS” is entered in REF01. If REF01 = “E9”, 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.	AN

Samples:

REF^SI^SHP1234^20080101

REF^FS^SHP1234Z^20080101

REF^TG^N9764181079392XXX

REF^FA^52.213-1

REF^BM^4578358846 (Commercial Bill of Lading)

REF^BL^45783588461 (Government Bill of Lading)

REF^CE^Y

REF^YP^Y

REF^E9^Attachment^ExtraMaterial.doc (Attachment sample)

REF^KL^A (Contract Type Reference Sample)

REF^CT^F0981908C7733 (Reference Procurement Sample)

REF^CT^GSA02F0013P (GSA Sample)

REF^ACC^Draft (Draft Indicator)

REF^PX^INV0001 (Lookup Invoice Number)

REF^8V^11111221123156 (Bill of Collection)

REF^14^ABC123.4-56D (Billing Account Number)

Notes:

- The REF segment is optional for pay systems other than MOCAS and/or DCMA Administered, EBS.
- REF01 – Use FS for Final Shipment or SI if it is not a Final Shipment.
- REF01 – Use FA for Fast Pay, followed by REF02 noting FAR Clause No: 52.213-1. If FA is used, there must be two iterations of the REF Segment. One containing FA and FAR clause 52.213-1 in REF02, and other will contain SI or FS with Shipment Number in REF02.
- If REF01 is used, REF02 is required and REF03 is conditional.
- iRAPT ignores REF03 data for codes other than E9, FA, FS, SI, TG, or BL sent in REF01.
- MOCAS, DCMA, EBS: Commercial Invoices must include a Shipment Number and an FS or SI in REF01.
- MOCAS and/or DCMA Administered, EBS: If SI is used; the Shipment Number must be seven characters AAA A/N NNN. To indicate a Final Shipment, use the FS code in REF01 and an 8-character Shipment Number that contains a Z in the 8th position in REF02.
- MOCAS and/or DCMA Administered: Shipment Number is mandatory. Must be seven or eight characters in length and can have a Z in the eighth position. Format is as follows: first three positions alpha, fourth position is alpha/numeric, 5th - 7th positions are numeric, eighth position is only used for Final Shipment and is a Z.
- EBS: Shipment Number in REF02 is mandatory and must be 7 to 8 characters. If shipment number is eight characters, the eighth position must be a “Z” and REF01 must be “FS”.
- When creating a NAVCON document there must be at least one attachment. If creating a NAVCON document and the Final Invoice Indicator is Y (BIG09=F) and Construction Indicator is Y (BIG07=U9), then at least two attachments are required.
- 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 as long as the total number of instances of the REF Segment does not exceed 12.
- SDN, ACRN and AAI are not allowed for Energy Invoices.
- 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.
- When creating an Energy Price Corrected Invoice, enter the Lookup Invoice Number in REF02 where REF01 = PX.
- If the Shipment Number is blank on the Invoice 2n1, the Invoice Number will be used as the Shipment Number (except for MOCAS and EBS which requires a Shipment Number to be included). If the shipment number is defaulted to the invoice number, then the final shipment indicator will be defaulted to the value of the final invoice indicator.
- REF02 – Creating a Fast Pay Invoice from an EDA contract: If the document is submitted without an Accept By location code or with an Accept By location code which is an active registered user for the role, the system will verify the Shipment Number is a valid, non-voided Receiving Report.
- When creating a Commercial Invoice 2-in-1 (Services Only) where the Acceptance and Payment locations equate to the FABS system, the application will require entry of the Communications Service Authorization.

REF01 - ***Reference ID Qualifier***

FA Federal Acquisition Regulation (Fast Pay)

FS Final Sequence Number (indicate suffix associated with Final Ship)

SI Shipper's Identification Number for Shipment (SID)

TG Transportation Control Number (iRAPT will ignore)

BL Government Bill of Lading

BM Commercial Bil**l** of Lading

E9 Attachment Code

CE Class of Contract Code (Construction Indicator), used for NAVCON when BIG07 = U9 (If left blank, this Field will default to N.)

YP Selling Arrangement (Fixed Price Indicator), used for NAVCON when BIG07 = U9 (If left blank, this Field will default to Y.)

CT Reference procurement Instrument Number or GSA Number

KL Contract Reference

12 Billing Account (used to report AAA).

CA Cost Allocation Reference (populates SDN Field in iRAPT)

AT ACRN - Document level ACRN, will be populated down to the Line Item level.

ACC Status (used to capture the Draft Indicator)

PX Previous Invoice Number

8V Credit Reference

14 Master Account Number

AH Communication Service Authorization

1.6 N1 Segment – Name Segment, Pos. 070 - Header

NOTES: There must be at least four instances of the N1 per Loop.

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.

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*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
N101	Entity Identifier	98	2/2	M	See codes below. For CICON and 2n1, only SV is allowed, not ST for Ship To. All other Invoices may use SV or ST for Ship To. If MOCAS paid or DCMA administered, the relation of a services (N101 = “SV“) Receiving Report from a supplies (N101 = “ST”) Commercial Invoice (and vice versa) is not allowed. Supplies/services indicators will be ignored for Credit Invoices. To submit email addresses to which an additional workflow notice should be sent, submit “FE” in N101.	ID
N102	Name – Free form name	93	1/60	C	Name (Activity1) – Mandatory only if Address data is being entered,	AN

					otherwise should not be entered. To submit email addresses to which an additional workflow notice should be sent, enter the name of the organization in N102 when N101 = “FE”.	
N103	Identification Code Qualifier	66	1/2	C	Mandatory when submitting address data. 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 A2 MAPAC Not used when submitting email addresses to which an additional workflow notice should be sent.	ID
N104	Identification Code	67	5/19	C	Mandatory when submitting address data. DoDAAC, CAGE, DUNS, DUNS+4, MAPAC or Tax ID Number if applicable, plus extension if applicable. Extensions are not allowed when N101 has an identifier code of BY, C4 or PR. Not used when submitting email addresses to which an additional workflow notice should be sent.	AN
N105	Entity Relationship Code	706	N/A	N/A	Not used.	N/A
N106	Entity Identifier Code	98	2/2	C	Not used when submitting address data. Used when submitting email addresses to which an additional workflow notice should be sent. NP – Notify Party for Shipper’s Order	AN

Samples:

N1^BY^^10^N00421

N1^PE^^33^96214SUB (Sample with Extension)

N1^PR^PayOfficial Name^10^N68688 (One Pay Location Code and sample where full address is used.

N1^KZ^^10^1DK001 (Accept By)

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

Payment Systems Requirement Notes:

- Vendor (PE) is mandatory.
- Pay Office DoDAAC (PR) is mandatory and must be a valid DoDAAC.
- Admin DoDAAC (C4) is mandatory and must be a valid DoDAAC.
- Ship (ST or SV) is mandatory. A CAGE, DUNS, or DUNS+4 should only be used when the Inspection and Acceptance Points in the Contract are Source/Source.
- Issue By DoDAAC (BY) is optional and must be a valid DoDAAC.
- LPO (PO) is mandatory for NAVCON (optional for CAPS-W).
- LPO (PO) is mandatory for One Pay DoDAACs.
- Inspect By DoDAACs (L1) is mandatory for NAVCON, optional for CICON, and otherwise not used.
- Mark For DoDAAC (Z7) is optional and must be a valid CAGE, DUNS, DUNS+4, or DoDAAC, used only for Fast Pay Invoices.
- Ship From (SF) is optional and must be a valid CAGE, DUNS, DUNS+4, or DoDAAC. Ship From is not allowed for NAVCON and CICON.
- Standard Pay DoDAACs – EDI inbound with a Standard Pay DoDAAC will only allow document types to be submitted that the Pay DoDAAC is signed up for and activated to receive Standard Workflow Extracts for. If any other document type is submitted for which the Standard Pay DoDAAC is not signed up to receive Standard Extracts, the document will be rejected with an error message.
- Standard Pay DoDAAC LPO Edit – iRAPT does not allow the entry of an LPO Location Code if the Pay office on the document is a Standard Pay DoDAAC. If an LPO is given, the file will be rejected with an error message, therefore when N101 = PO (LPO DoDAAC is not allowed for the Standard Pay System).
- A Contractor DoDAAC may be submitted in any field where a CAGE, DUNS, or DUNS+4 is permitted except where N101 = PE for Vendor.
- If the Payment Location is FABS, the Acceptance Location must also be FABS.
- If the Acceptance Location is a FABS location, the Payment Office must also be FABS.

Note:

N101 Codes (C4, PR, PE and ST or SV are the minimum submission requirement.)

N101 - ***Entity Identifier Codes***

BY	Buying Party
C4	Contract Administration Office
PE	Payee
PO	Party to Receive Invoice
PR	Payer
SF	Ship From
ST	Ship To
SV	Service Performance Site
Z7	Mark For Party – (May be used when submitting a Fast Pay Invoice, FAR 52.213-1)
L1	Inspect By
KZ	Accept By
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

N106 - ***Entity Identifier Code***

NP – Notify Party for Shipper's Order

1.7 N2 Segment, Pos. 080 - Header

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

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

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
N201	Name – free form	93	1/60	C	Name Activity 2	AN
N202	Name – free form	93	1/60	O	Name Activity 3 Name (Activity) – Mandatory only if Address data is entered; otherwise should not be entered.	AN

Sample:

N2^Name Activity 2

1.8 N3 Segment, Pos. 090 - Header

NOTES: There may be one instance of N3 per N1 Loop for iRAPT.

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

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

Sample:

N3^Address Information

1.9 N4 Segment, Pos. 100 -Header

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

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

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
N401	City Name	19	2/30	C		AN
N402	State or Province Code	156	2/2	C		ID
N403	Postal Code	116	3/15	C	If the Ship To Address is an APO or FPO, then cite the APO or FPO ZIP Code.	ID
N404	Country Code	26	2/2	C		ID
N405	Location Qualifier	309	2/2	C	Enter AR for Armed Service Location Designator (For APO/FPO).	ID
N406	Location Identifier	310	2/6	C	Enter APO/FPO and 2 letter code (i.e. AA, AE, or AP) AA Miami AE New York AP San Francisco Example: FPO AP, APO AE	AN

Samples:
US Address
N4^Orlando^FL^32043

Non-US Address
N4^Madrid^^28000^SP

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

<u>N405</u> – *Location Qualifier*

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

Note:

If an APO/FPO Address is being entered, the Vendor must enter the information in the N403, N405, and N406.

1.10 PER Segment – Administrative Communications Contact, Pos. 120 - Header

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

PER must be entered as part of N1 Loop for Payee to identify user-submitting transaction – User ID.

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

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

Samples:

PER^IC^PSKJ2400
PER^CN^^EM^john@gmail.com^EM^jane@gmail.com^EM^mark@gmail.com

Notes:

iRAPT will ignore codes other than the ones noted below.

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

PER01 - ***Contact Function Code***

IC Information Contact

CN General Contact

1.11 ITD Segment – Terms of Sale/Deferred Terms of Sale, Pos. 130 - Header

NOTE: There may be one to five instances of ITD discount data per transaction which may be limited based on Payment System limitations as identified below. Regardless of the number of iterations used for Discount information, there may be an additional iteration of this Segment to identify Fast Pay (not to exceed a total of six).

Discounts will be ignored for Credit Invoices.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
ITD01	Terms Type Code	336	2/2	M	See codes below. Qualifier code 21 (Fast Pay) is mandatory for Fast Pay and must be used in conjunction with REF01=FA and REF02 = to the associated FAR Clause.	ID
ITD02	Terms Basis Date Code	333	N/A	N/A	Not used.	N/A
ITD03	Terms Discount Percent – Discount percentage	338	1/6	O		R
ITD04	Terms Discount Due Date	370	8/8	O		DT
ITD05	Terms Discount Days Due	351	1/2	C	See notes below.	N0
ITD06	Terms Net Due Date –	446	N/A	N/A	Not used.	N/A
ITD07	Terms Net Days	386	2/2	C	See notes below.	N0
ITD08	Terms Discount Amount	362	1/10	C	See notes below. This Field is affected by currency code. See notes below.	N2

Samples:

ITD^08^^5.25^^20 (Basic Discount Offered with Terms Discount Percent and Terms Discount Days Due)

ITD^22^^^20081030^^^^10000 (Cash Discount with Terms Discount Date and Terms Discount Amount)

ITD^08^^^^^^30 (Basic Discount Offered with Terms Net Days)
ITD^21 (Fast Pay)

Notes:

- For iRAPT, discounts are optional, however if discounts are being entered, please use either an ITD Segment with a discount type, a discount percent and a number of days or a discount type, a discount date and a discount amount, or a discount type and a net days. For Fast Pay, you must also enter an ITD Segment with the discount type of "21" to indicate that it is a Fast Pay Invoice, with no other Fields entered. If entering Fast Pay indicator (i.e. "21"), please use as first discount Segment entered prior to any other discounts.
- ITD01 is mandatory for iRAPT. Use 21 in ITD01 for Fast Pay.
- ICs allow for ITD02. iRAPT will reject transactions if ITD02 is used.
- iRAPT will reject transactions containing ITD09 and/or ITD10.
- iRAPT will reject transactions containing any code other than "22", "08", or "21" in ITD01.
- iRAPT requires ITDs be used in the following pairs: ITD03 and ITD05, ITD04 and ITD08, or ITD07.

ITD08 – ***Discount Amount***

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

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

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

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

iRAPT Payment System Edit Notes:

MOCAS: Allows for only the discount combination of ITD03 and ITD05. Discount percentage is limited to NN.NN.

EBS: Allows for only one discount combination consisting of ITD03 and ITD05. Discount percentage is limited to NN.N.

CAPS-C/W: Allows for up to three sets of ITD03 and ITD05. An ITD07 (Net Days) discount is allowed. More than three sets of ITD03 and ITD05 or any ITD04 and ITD08 combinations will be rejected. Discount percentage is limited to NN.NNN. Discount amount not allowed.

One Pay: Allows two ITD03 and ITD05 combinations or one ITD04 and ITD08 combination. In addition, one ITD07 is allowed. Discount percentage is limited to NN.NN. For NAVCON – Net days = "14" when non-final Construction, "30" when Final Construction or Facilities Management.

IAPS-E: Allows for an IT103 and IT105, an IT104 and IT108 combination, or an IT107. Only one discount combination is allowed. Discount percentage is limited to NN.NN.

Navy ERP: Allows up to five instances of ITD03 and ITD05, ITD08 and ITD04 or ITD07. Navy ERP allows only one entry for Net Days ITD07.

FABS: When the payment and acceptance location codes are FABS, any Discounts submitted with the 2N1 will be ignored.

ITD01 - ***Terms Type Codes***

08 Basic Discount Offered

21 Fast Pay

22 Cash Discount Terms Apply

1.12 DTM Segment – Date/Time Reference, Pos. 140 – Header

Segment	*Description*	*Element*	*Min/Max*	*Req.*	*Notes*	*Type*
DTM01	Date/Time Qualifier	374	3/3	M	See below.	ID
DTM02	Date	373	8/8	C	If "186" is entered in DTM01, enter the Period of Performance From Date in DTM02. If "187" is entered in DTM01, enter the Period of Performance To Date in DTM02. Mandatory for DISA Telecom 2N1 (FABS Acceptance and Pay Official Location Codes). Optional for other 2N1s. CCYYMMDD	DT

Sample:

DTM^186^20151008

DTM01 – ***Date/Time Qualifier***

186 – Invoice Period Start

187 – Invoice Period End

Notes:

- When creating an Invoice 2-in-1 (Services Only) where the Acceptance location code equates to FABS, the system will require the entry of Performance From and Performance To Dates. The fields will be labeled as "Billing Period From" and "Billing Period To".

1.13 IT1 Segment – Base Item Data, Pos. 010 - Detail

NOTE: There must be one instance of IT1 per Line Item (IT1) Loop with up to 999 loops per transaction for iRAPT.

The 999-loop maximum must be reduced by the number of SAC or TXI items included on the Invoice.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
IT101	Assigned Identification – CLIN, SLIN or ELIN	350	4/6	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
	IAPS-E, CAPS-C				4 AN or 6 AN	
	CAPS-W				4AN or 4N2A	
	MOCAS				4N, 4N2A, 1A3AN, “NONE” or “NONE”NN	
	EBS				4N or 4N2A	
	One Pay				4N or 4N2A (only CLIN/SLIN allowed)	
	NAVCON				4N or 4N2A	
	Navy ERP				CLIN (4N), SLIN (4N2AN) or ELIN (1A3AN)	
IT102	Quantity Invoiced	358	1/10	M	Number allows 8 before the decimal and 2 after the decimal (R8.2). (The Field size noted, 1/10 is the ANSI Field size, however for iRAPT Field size is R8.2) For Credit Invoice, Quantity Shipped must be negative.	R8.2

	MOCAS EBS		1/8 1/10		No decimals allowed. If decimals are submitted, there may be 8 to the left and 2 to the right of the decimal, or 7 to the left and 3 to the right of the decimal. If DSS Ship To, Quantity must be a whole number with maximum field size of 10.	N R
IT103	Unit or Basis of Measurement Code	355	2/2	M	When a MOCAS DoDAAC is used and “LO” (lot) code is used as the Unit of Measure and zero is reported for Quantity Shipped, the total for the Line Item will be computed to be the Unit Price amount. Please refer to the iRAPT website under the Lookup dropdown for the Units of Measure Table.	ID
IT104	Unit Price MOCAS, One Pay, CAPS-W EBS	212	1/16 1/15 1/15	M M		R9.6 R9.6 R9.6
IT105	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A
IT106	Product/Service ID Qualifier EBS	235	2/2	M	Please refer to the Product/Service ID Qualifier Codes table maintained under the "Lookup" tab on the iRAPT website. This segment will be ignored for Credit Invoices. Codes must be capitalized. Only FS, IB, MG, N4, SW, UK, UX, VC and VP are allowed for	ID

					Invoice and Invoice Fast Pay. Only FS, IB, MG, N4, SV, SW, UK, UX, VC and VP are allowed for 2n1.	
IT107	Product/Service ID	234	1/48	M	Product/Service ID If MOCAS paid or DCMA Administered and services (N101="SV") is selected, then the Product Service IT (IT107) must be "SERVICES" and the Product/Service ID Qualifier (IT106) must be "SV". If MOCAS paid or DCMA Administered and supplies (N101=ST) is selected, then the Product/Service ID Qualifier (IT106) "SV" is not allowed. This segment will be ignored for Credit Invoices.	AN

Sample:

IT1^0001AB^50^EA^2500.25^^FS^8765432145678

IT1^0001AB^50^EA^2500.25^^MG^NONE

IT1^0004^1^LO^55000^^SV^SERVICES

IT1^KA02^14^BX^132.55^^MG^MgfPartNumber999

Notes:

- iRAPT rejects transactions with IT106 codes that are not listed within the Product/ Service ID Qualifier Codes table.
- iRAPT will only accept one pair of product/service data (IT106/IT107).
- If Product/Service ID Qualifier in IT106 is FS, then the Product/Service ID (NSN) must be 13 numeric characters reported in IT107. If an NSN is available, use "FS" in IT106 and the associated number in IT107. If you have other pertinent information associated with any other codes for the shipment, then enter that information (e.g. "CL" entered in IT106) and the pertinent color/information (e.g., blue or yellow, etc.) in IT107. If an NSN is not associated with the shipment, use any code other than "FS" in IT106 and the word

"NONE" in IT107. Product/Service ID Qualifier and Product/Service ID information is not allowed for NAVCON.

- If MOCAS paid or DCMA administered and supplies (N101 = "ST") is selected, then the Product Service ID Qualifier (IT106) "SV" is not allowed.
- If MOCAS paid or DCMA administered and services (N101 = "SV") is selected, then the Product Service ID (IT107) must be "SERVICES" and the Product Service ID Qualifier (IT106) must be "SV".

Sample for One Pay- ACRN breakout:

IT1^0001^700^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^AT^AB^200
REF^AT^AC^200
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001 (1st ACRN identifier)
REF^ZZ^SHIP002^300.00
IT1^ACRN0002 (2nd ACRN identifier)
REF^ZZ^SHIP005^200.00

1.14 PID Segment – Product/Item Description, Pos. 060 - Detail

NOTE: There must be at least one, with a maximum of 25, instances of PID per IT1 loop.

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

Sample:

PID^F^^^^9mm Ammo Rounds

Notes:

- iRAPT allows for one to 75 characters of description in the PID05.
- iRAPT will not allow more than 25 instances of PID Segment per IT1 Loop.
- iRAPT rejects transactions without a PID.

PID01 – ***Item Description Type***

F Free Form

1.15 REF Segment – Reference Identification, Pos. 120 - Detail

NOTES: There may be one instance of REF per Line Item (IT1) Loop.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
REF01	Reference Identification Qualifier	128	2/2	M	See codes below.	ID
REF02	Reference Identification	127	2/2	O	ACRN	AN
			1/30		SDN or MILSTRIP MILSTRIP - Only allowed If the document is a Fast Pay Invoice and the Pay DoDAAC is MOCAS. If ACRNs & MILSTRIPs are sent in lower-case, they will be converted to upper-case. The SDN is not converted to uppercase.	
	One Pay		13/15		Standard Document Number (SDN) must be 13, 14, or 15 alphanumeric characters for One Pay when AAI is not found in the DOD AAI table. Standard Document Number (SDN) must be 9, 13, 14 or 15 alphanumeric characters for One Pay when AAI is found in the DOD AAI table.	
			6/6		AAA	
	One Pay		2/22		Reference Shipment Number	
			1/30		Purchase Request Number Enter “Z7A” for Mark For Comments (Fast Pay Only) Enter “Z7B” for Mark For Secondary Comments (Fast Pay Only)	
REF03	Description	352	1/16	C	MILSTRIP Quantity must be entered when REF02 is	ID

					a MILSTRIP. ACRN Dollar Amount – enter when multiple ACRNs are reported. The dollar amount is required for a single ACRN when the Pay System is One Pay. No dollar signs are allowed, only numbers and decimals values (example: 500.00 or 200.16). Type is R10.2 for ACRN price only. Negative dollar amounts are allowed for ACRN. ACRN Price is affected by currency code. See notes below. If there is an amount associated with a Reference Shipment Number reported in REF02, enter the Reference Shipment Number Amount in REF03. Reference Shipment Amount is affected by currency code. See notes below. If REF01 = ZZ and REF02 = Z7A or Z7B, then enter Mark For Comments.	R10.2

Samples:

REF^AT^AB (Single ACRN)
or

REF^AT^AA^500 (Multiple ACRN)
REF^AT^AB^300

REF^12^068688 (AAA)

REF^ZZ^Z7A^Mark For Rep Comments

REF^ZZ^Z7B^Mark For Secondary Comments

Single CLIN, Single ACRN per CLIN, Single Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^300^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP001^300.00

Single CLIN, Single ACRN per CLIN, Multiple Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^300^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP001^100.00
REF^ZZ^SHIP002^200.00

Single CLIN, Multiple ACRNs per CLIN, Single Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^700^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^AT^AB^200
REF^AT^AC^200
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP002^300.00
IT1^ACRN0002
REF^ZZ^SHIP005^200.00
IT1^ACRN0003
REF^ZZ^SHIP005^200.00

Single CLIN, Multiple ACRNs per CLIN, Multiple Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^700^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^AT^AB^200
REF^AT^AC^200
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP001^100.00
REF^ZZ^SHIP002^200.00
IT1^ACRN0002
REF^ZZ^SHIP005^100.00
REF^ZZ^SHIP003^50.00
REF^ZZ^SHIP002^50.00
IT1^ACRN0003
REF^ZZ^SHIP005^100.00
REF^ZZ^SHIP003^50.00
REF^ZZ^SHIP002^25.00
REF^ZZ^SHIP004^25.00

Multiple CLINs, Single ACRN per CLIN, Single Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^300^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP002^300.00
IT1^0002^250^EA^1^^MG^0002
PID^F^^^^Gatorade
REF^AT^AC^250
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP004^250.00

Multiple CLINs, Single ACRN per CLIN, Multiple Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^300^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP001^100.00
REF^ZZ^SHIP002^200.00
IT1^0002^250^EA^1^^MG^0002
PID^F^^^^Gatorade
REF^AT^AC^250
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP004^210.00
REF^ZZ^SHIP005^20.00
REF^ZZ^SHIP002^20.00

Multiple CLINs, Multiple ACRNs per CLIN, Multiple Reference Shipment Number per ACRN (REF at Position 120)

IT1^0001^500^EA^1^^MG^0001
PID^F^^^^Bottled Water
REF^AT^AA^300
REF^AT^AB^200
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001
REF^ZZ^SHIP001^100.00
REF^ZZ^SHIP002^200.00
IT1^ACRN0002
REF^ZZ^SHIP005^100.00
REF^ZZ^SHIP003^50.00
REF^ZZ^SHIP002^50.00
IT1^0002^500^EA^1^^MG^0002
PID^F^^^^Gatorade
REF^AT^AC^250
REF^AT^AB^250
REF^12^060957
REF^CA^V44890721BP08
IT1^ACRN0001

REF^ZZ^SHIP004^210.00
REF^ZZ^SHIP005^20.00
REF^ZZ^SHIP002^20.00
IT1^ACRN0002
REF^ZZ^SHIP006^100.00
REF^ZZ^SHIP004^125.00
REF^ZZ^SHIP005^25.00

Notes:

- If RQ is used in REF01, MILSTRIP number must be in REF02, followed by REF03 noting MILSTRIP Quantity. The total MILSTRIP quantity (which in some instances may include the MILSTRIP number of "NONE") must equal the associated Line Item quantity reported in IT102.
- iRAPT will ignore REF01 if REF02 is not populated.
- 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.

REF03 – ***ACRN Price and Reference Shipment Amount***

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

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

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

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

iRAPT Payment System Edit Notes:

MOCAS, EBS, One Pay, CAPS-C/W, Navy ERP:

- ACRN is optional and if used must be two alphanumeric characters.
- Except for One Pay documents, if single ACRN is submitted, the ACRN dollar amount is optional in REF03. However, if submitted, the amount must match the extended Line Item total. One Pay ACRN entries must have ACRN amounts in REF03.
- If multiple ACRNs (>1) are submitted, the ACRN dollar amount is mandatory in REF03 and the sum of the ACRN dollar amounts must balance to the extended Line Item total.
- CICON does not allow multiple ACRNs to be reported.
- Multiple ACRNs are not allowed to be reported on the EBS Pay System.
- NAVCON – does not allow ACRN, SDN, AAA, MILSTRIP, or Reference Shipment Number.
- For One Pay and EBS, ACRN amount must be between -999,999,999.99 and 999,999,999.99 and can only contain up to 2 digits to the right of the decimal. For all other pay systems, ACRN amount must be between -9,999,999,999.99 and 9,999,999,999.99 and can only contain up to 2 digits to the right of the decimal.
- SDN, ACRN and AAI are not allowed for Energy Invoices.

REF01 - ***Reference Codes***

CA Cost Allocation Reference (populates SDN Field in iRAPT)

RQ Requisition Number (MILSTRIP) – Use for MOCAS Fast Pay only.

AT ACRN

12 Billing Account (used to report AAA)

ZZ Reference Shipment Number

11 Purchase Request Number

ZZ Mutually Defined (Use for Mark For Comments)

1.16 CAD Segment – Carrier Detail, Pos. 160 - Detail

NOTE: There may be one instance of the CAD.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
CAD01	Transportation Method/Type Code	91	1/2	M	Transportation Method/Type Codes See note below. This Segment is only used for Fast Pay Invoices with a MOCAS Pay DoDAAC; for these particular Invoices, it is necessary to send CAD Segment information.	ID
CAD02	Equipment Initial	206	N/A	N/A	Not used.	N/A
CAD03	Equipment Number	207	N/A	N/A	Not used.	N/A
CAD04	Standard Alpha Code	140	N/A	N/A	Not used.	N/A
CAD05	Routing	387	1/1	M	Always cite the number 1. This data element is used to satisfy an X.12 syntax requirement. The data (i.e. the number 1) will not be processed by the receiving application program	AN

Sample:

CAD^AC^^^^1

Note:

<u>Transportation Method/Type Codes</u>

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

1.17 SAC Segment – Service, Promotion, Allowance or Charge Information, Pos. 180 – Detail

LOOP ID: SAC Loop in IT1 Loop

NOTE: There may be at least one instance of SAC per IT1 Loop for Reference Taxes.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
SAC01	Allowance or Charge Indicator	248	1/1	M	N – No Allowance or Charge	ID
SAC02	Service Promotion Allowance or Charge Code	1300	4/4	C	H850 – Tax If taxes are entered, the statement "Are all taxes reflected in the original contract applicable to this Invoice?" will default to 'N'. If taxes are not entered, this will default to 'Y'.	AN
SAC03	Agency Qualifier Code	559	2/2	M	DL – Defense Logistics Agency	ID
SAC04	Agency Service, Promotion, Allowance, or Charge Code	1301	1/3	M	Enter a valid iRAPT Tax Type Code See note below.	AN
SAC05	Amount	610	N/A	N/A	Not used.	N/A
SAC06	Allowance/Charge Percent Qualifier	378	N/A	N/A	Not used.	N/A
SAC07	Percent	332	N/A	N/A	Not used.	N/A
SAC08	Rate	118	N/A	N/A	Not used.	N/A
SAC09	Unit or Basis of Measurement Code	355	2/2	M	Enter a valid iRAPT Unit of Measure. Please ensure the Unit of Measure for Reference Taxes matches	AN

					the Unit Of Measure for the Line Item.	
SAC10	Quantity	380	1/1	M	Always enter in '1'	R
SAC11	Quantity	380	N/A	N/A	Not used.	N/A
SAC12	Allowance/Charge Method Handling Code	331	N/A	N/A	Not used.	N/A
SAC13	Reference Number	127	N/A	N/A	Not used.	N/A
SAC14	Option Number	770	N/A	N/A	Not used.	N/A
SAC15	Description – free form description	352	1/80	O	Tax Name	AN

Sample:

SAC^N^H850^DL^001^^^^^EA^1

Note:

<u>Tax Type Codes</u>

Please refer to the Tax Reference Table maintained under the "Lookup" tab on the iRAPT website.

1.18 TXI Segment – Tax Information, Pos. 190 – Detail

LOOP ID: SAC Loop in IT1 Loop

NOTE: There may be at least one instance of TXI per IT1 Loop for Reference Taxes.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
TXI01	Tax Type Code	963	2/2	M	ZZ – Mutually Defined	ID
TXI02	Monetary Amount	782	1/9	C	Tax Amount This Field is affected by currency code. See notes below.	R3.6
TXI03	Percent	954	1/6	C	Tax Percent	R2.4
TXI04	N/A	N/A	N/A	N/A	N/A	N/A
TXI05	N/A	N/A	N/A	N/A	N/A	N/A
TXI06	N/A	N/A	N/A	N/A	N/A	N/A
TXI07	Relationship Code	662	1/1	M	A – Add (New) D – Delete (Deleted) S – Substituted (Changed)	ID

Samples:

TXI^ZZ^1.2^^^^^S^

TXI^ZZ^^5^^^^S^

Notes:

<u>TXI02</u> – *Tax Amount*

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

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

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

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

1.19 N1 Segment – Name Segment, Pos. 240 - Detail

NOTES: This segment is only used for Invoice Fast Pay.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
N101	Entity Identifier	98	2/2	M	See codes below.	ID
N102	Name – Free form name	93	1/60	C	Name	AN
N103	Identification Code Qualifier	66	1/2	M	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 A2 MAPAC	ID
N104	Identification Code	67	5/12	M	DoDAAC, CAGE, DUNS, DUNS+4, MAPAC if applicable, plus extension if applicable.	AN

Samples:

N1^Z7^^10^N00421

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

N101 - ***Entity Identifier Codes***

Z7 Mark For Party – (May be used when submitting a Fast Pay Invoice, FAR 52.213-1)

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

1.20 LM Segment – Code Source Information, Pos. 300 – Detail

NOTES: There may be one instance used in the Line Item (IT1) Loop.

Include segment to start LM Loop when submitting GFE or Shipment Advice Code.

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

Sample:

LM^DF

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

DF Department of Defense (DoD)

1.21 LQ Segment – Industry Code, Pos. 310 – Detail

NOTES: iRAPT accepts LM/LQ in the Line Item (IT1) Loop.

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

Sample:

LQ^6^E

Item Loop:

- iRAPT only accepts LQ01 = “6” or “14” in the Line Item Loop (IT1).
- To indicate an item is Shipped in Place at the contractor facility and GFE/P Is NOT incorporated into the shipment use:
  - LQ01 = 14 and LQ02 = G
- To indicate an item is Shipped in Place at the contractor facility and GFE/P is Incorporated into the shipment use:
  - LQ01=6 and LQ02 = E and LQ01 = 14 and LQ02 = G
- To indicate GFE/P has been incorporated in the shipment use:
  - LQ01 = 6 and LQ02 = E
- iRAPT will ignore any other codes than those listed below.
- iRAPT industry codes for LQ02 are listed below. Please refer to definitions below.

<u>LQ01</u> - *Code List Qualifier Code*

<u>Detail Level</u>

6 Special Contract Provision Code (LIN Loop)

14 Contract Shipment Advice Code (LIN Loop)

LQ02 - ***Industry Codes***

Detail Level

E Government Furnished Property (6)

A Components Missing (14)

B Missing Components Furnished (14)

C Quantity Increase (14)

D Quantity Decrease (14)

E Replacement (14)

F Shipped and held in bond at contractor's plant (14)

G Shipped and held as GFP (14)

H Shipped/Performed as Required (14)

Z Underrun Quantity (14)

1.22 TDS – Segment – Total Monetary Value Summary, Pos. 010 - Summary

NOTE: There must be only one instance of TDS per transaction.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
TDS01	Amount	610	1/15	M	Total Amount of Invoice, before the discount. iRAPT requires TDS01 be reported. The total Amount of the Invoice reported must be correct according to the data submitted with the document or the document will be rejected by iRAPT. Total amount of invoice includes all taxes, charges, and line item totals, minus any allowances. This Field is affected by currency code. See notes below.	N2

Sample:

TDS^75268

Notes:

<u>TDS01</u> – *Amount*

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

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

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

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

- The system will pad zeroes to right of the decimal point up to the number of digits allowed for a Currency Code.
- The system will drop zeroes to the right of the decimal point if they exceed the number of digits allowed for a Currency Code.
- If a non-zero number is given to the right of the maximum number of allowable decimal places as specified by the Currency Code, an error will be given.

1.23 TXI Segment – Tax Information, Pos. 020 - Summary

NOTE: There may be up to 10 instances of TXI per transaction.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
TXI01	Tax Type Code	963	2/2	M	See codes below	ID
TXI02	Monetary Amount	782	1/16	M	This Field is affected by currency code. See notes below.	R9.6

Sample:

TXI^CA^787.25

Notes:

iRAPT will only allow for Tax Type codes listed below in the TX101.

<u>TXI02</u> – *Monetary Amount*

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

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

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

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

iRAPT Payment System Edit Notes:

- MOCAS does not utilize the TXI Segment.
- EBS allows up to three taxes per Energy Invoice.
- One Pay allows three tax Segments per Invoice. NAVCON does not allow taxes.
- CAPS-C/W allows a total of 10 taxes per Invoice.
- IAPS-E and Navy ERP allow taxes; each value may be entered only once.

TXI01 - ***Tax Type Code***

CA	City Tax
F1	FICA
FI	Federal Income Tax Withholding (FITW)
FD	Federal Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
LO	Local Tax (Not Sales Tax)
LS	State & Local Sales Tax
SA	State Fuel Tax
SE	State Excise Tax

1.24 SAC Segment – Service, Promotion, Allowance or Charge Information, Pos. 040 - Summary

NOTE: There may be one instance of SAC for each SAC Loop for Order/Invoice Information. NAVCON does not allow Miscellaneous Charges or Allowances.

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
SAC01	Allowance or Charge Indicator	248	1/1	M	"A" for Allowance "C" for Charge	ID
SAC02	Service Promotion Allowance or Charge Code	1300	4/4	M	See codes below.	ID
SAC03	Agency Qualifier Code	559	N/A	N/A	Not used.	N/A
SAC04	Agency Service Code	1301	N/A	N/A	Not used.	N/A
SAC05	Amount	610	1/15	M	Amount This Field is affected by currency code. See notes below.	N2
SAC06	Allowance/Charge Percent Qualifier	378	N/A	N/A	Not used.	N/A
SAC07	Percent	332	N/A	N/A	Not used.	N/A
SAC08	Rate	118	N/A	N/A	Not used.	N/A
SAC09	Unit or Basis of Measurement Code	355	N/A	N/A	Not used.	N/A
SAC10	Quantity	380	N/A	N/A	Not used.	N/A
SAC11	Quantity	380	N/A	N/A	Not used.	N/A
SAC12	Allowance/Charge Method Handling Code	331	N/A	N/A	Not used.	N/A
SAC13	Reference Number	127	N/A	N/A	Not used.	N/A
SAC14	Option Number	770	N/A	N/A	Not used.	N/A
SAC15	Description – free form description	352	1/75	O	Description	AN

Sample:

SAC^C^B050^^^2500^^^^^^^^^^description

iRAPT Payment System Edit Notes:

- All Entitlement Systems require the attachment of a document substantiating miscellaneous transportation charges greater than $100.

- **MOCAS:** Optional and only allows for I260 or F460 in the SAC02.
- **EBS:** Optional and only allows for I260. The amount that follows must be <$250.00.
  - Note: Allowances are not permitted for MOCAS or EBS.
- **One Pay:** Optional and allows any valid miscellaneous fee, yet only allows for three fees and allowances per Invoice. However, if Vendor wants to submit direct transportation charges (Miscellaneous Charge Code I260) then must submit as CLIN9999, with line item type of 1, Product/Service ID of "NONE," Product/Service ID Qualifier of VP, quantity of 1, Unit of Measure of EA, and Unit Price of the amount they are claiming.
- **CAPS-C/W:** Optional and allows I260 only in SAC02 when SAC01 is "C" for miscellaneous charge. Any SAC02 allowance codes (SAC01 = A) may be entered, up to 11 maximum.
- **IAPS-E:** Charge code F690 is not allowed in SAC02.
- **Navy ERP:** Allows all codes except I260 in SAC02.

SAC02 - ***Service, Promotion, Allowance, or Charge Code***

Charges (SAC01 = C)

B050 Certification

B570 Container Deposits

B660 Continuous Mileage

C040 Delivery

D340 Goods & Services

D900 Installation

D980 Insurance

F110 Overrun Charge

F155 Packaging

F460 Postage

F650 Preparation

F920 Quantity Surcharge

I260 Transportation Direct Billing

Allowances (SAC01 = A)

B560 Container Allowance

B950 Damaged Merchandise

C310 Discount

D350 Goods & Services Credit

F810 Promotional Discount

F910 Quantity Discount

I170 Trade Discount

I180 Trade In

Charge or Allowance (SAC01 = A or C)

F050 Other (see description in SAC15)

F680 Price Deviation

F690 Prior Balance

SAC05 – *Amount*

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

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

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

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

1.25 CTT Segment – Transaction Totals, Pos. 070 - Summary

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

Segment	*Description*	*Element*	*iRAPT Min/Max*	*iRAPT Req.*	*iRAPT Notes*	*Type*
CTT01	Number of Line Items	354	1/6	M	Number of times IT1 Loop was used.	N

Sample:

CTT^10

1.26 SE Segment – Transaction Set Trailer, Pos. 080 - Summary

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

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

Sample:

SE^250^0023