

WideAreaWorkFlow
e-Business Suite



EDI Guide - Appendix C
810C - Navy Shipbuilding Invoice

Version 5.9.1
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Under:
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History Page

<i>Version</i>	<i>Date</i>	<i>Change Description</i>
5.4.0-1	8/27/12	CAMCG166 Removed all History prior to 5.4
5.4.0-2	10/11/12	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	12/14/12	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: 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"
5.4.1-1	02/19/13	CAMCG196 Updated to Version 5.4.1, July 2013
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5.6.0-3	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."
5.6.0-4	05/20/14	WAWF-1007 Updated Delivery Order Nos. to 0015 on header
5.6.0-5	07/08/14	WAWF-1283 Updated to Version 5.6.0, October 2014
5.6.0-6	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	11/11/14	<p>WAWF-1556 ECP0731 - FTP/EDI Guide Updates</p> <p>N1 pos. 070-</p> <p>Added "FE" to N101 Codes.</p> <p>Added segments N105 and N106.</p> <p>Added sample.</p> <p>PER pos. 120-</p> <p>Added "CN" to PER01- Contact Function Code.</p> <p>PER02: Added conditional notes</p> <p>Added segments PER03-PER08.</p> <p>Added sample.</p>
5.7.0-3	02/22/15	<p>WAWF-1908 ECP0794 guide updates</p> <p>BIG pos. 020-</p> <p>BIG04: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16)</p> <p>BIG05: Updated description of DoD Contract (FAR), added Uniform PIID (FAR 4.16)</p> <p>Updated sample</p> <p>Added BIG04 and BIG05 Contract Number and Delivery Order Edits</p> <p>REF pos. 050-</p> <p>REF02: Added S Uniform PIID (FAR 4.16)</p>
5.8.0-1	06/23/15	<p>WAWF-2407 Updated to Version 5.8.0, November 2015</p>
5.8.0-2	07/06/15	<p>WAWF-2427 ECP0794</p> <p>BIG pos. 020-</p> <p>Updated fiscal year in BIG04 and BIG05 Contract Number and Delivery Order Edits</p>
5.8.0-3	08/20/15	<p>DR 1274</p> <p>BIG pos. 020-</p> <p>BIG09: Changed iRAPT Req. from conditional to mandatory</p> <p>BIG09- Action Code: Added "If 'F' is entered, the 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'."</p> <p>Added samples for final invoice indicator</p> <p>Notes: Removed "If 'F' is entered, final invoice indicator in iRAPT will be set to 'Y'. If blank, indicator will be set to 'N'."</p>
5.9.0-1	12/17/15	<p>WAWF-2762 Updated version to 5.9.0, updated deployment date to June 2016</p>
5.9.0-2	02/11/16	<p>IRAPT-913</p> <p>General Instructions-</p> <p>Notes: Added the following-</p>

		<p>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:</p> <ul style="list-style-type: none"> • 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.
5.9.1-1	08/16/16	<p>WAWF-3303</p> <p>Updated contract number to SP4701-16-D-2001. Updated version to 5.9.1 and deployment date to October 2016.</p>

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1 General Instructions

The following pages represent the iRAPT Data Element/Segment Cross Reference for reporting 810C Navy Shipbuilding Invoice EDI data into iRAPT. 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 (Navy Shipbuilding Invoice) 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.

An attachment transaction must be submitted with this document or iRAPT will reject the 810C NSI transaction.

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** Alphanumeric String
- **DT** All Date Fields will use the 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. iRAPT ignores all 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.
- The NSI document applies to One Pay and Navy ERP pay systems only.
- 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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
BIG01	Date	373	8/8	M	CCYYMMDD Date of Invoice	DT
BIG02	Invoice Number	76	1/22	M	Invoice Number The Invoice Number will be converted to upper case.	AN
BIG03	Date	373	8/8	O	CCYYMMDD – PO Date – Contract Issue Date	DT
BIG04	Purchase Order Number	324	1/19	M	PO Number Contract No. No special characters allowed.	AN
	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 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.	

BIG05	Release Number	328	0/19	C	Release Number – Delivery Order No. No special characters allowed.	AN
	DoD Contract (FAR)		0/13		When the selected Contract Number Type is “DoD Contract (FAR),” please see notes below for Delivery Order Edits.	
	Uniform PIID (FAR 4.16)		13/17		When the selected Contract Number Type is “Uniform PIID (FAR 4.16),” please see notes below for Delivery Order Edits.	
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	1/1	M	See below.	ID

Samples:

BIG^20081001^000001^20080814^N0038315D9901^0004^^RH^00^F (Final)

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

BIG^20081001^000001^20080814^N0038315D9901^0004^^DI^01^F (Void)

BIG^20081001^000001^20080814^N0038315D9901^0004^^DI^05^F (Void & Replace)

Notes:

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)

BIG07 - Transaction Type Codes

RH Request for Additional Funds (Use for NSI Invoice)

BIG08 – Transaction Purpose Codes

00 Original
 01 Void
 05 Void & Replace

BIG09 - Action Code

If "F" is entered, the 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 17 and later****Contract Number Edits:**

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

Delivery Order Number Edits:

- No special characters allowed.
- Must be 13 characters in length.
- Delivery Order Number may not contain "O" or "I" at any position.

- First 6 positions must be valid government DoDAAC.
- Positions 7 and 8 (FY parameter) must be numeric and 17 or greater and less than 66.
- Position 9 must be F.
- Position 10 through 13 in the Delivery Order Number may not be “0000” (all zeroes).
- Delivery Order is prohibited when the 9th position of the Contract Number is C, F, H, M, P, or V.
- For Acquisition, Delivery Order is required when the 9th position of the Contract Number is A, D, or G.

Contract Type is “DoD Contract (FAR)”; Fiscal Year 16 and prior

Contract Number Edits:

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

Delivery Order Number Edits:

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

Contract Type is “Uniform PIID (FAR 4.16)”

Contract Number Edits:

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

Delivery Order Number Edits:

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

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

NOTES: There may be only one instance of the NTE Segment when NTE01="ZZZ".

There may be multiple instances of the NTE Segment when NTE01="ADD".

The NTE Segment with NTE01="ZZZ" is optional. The Shipment Number on the NSI document will default to the Invoice Number.

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

Use the NTE instead of the REF segment at Pos. 050 – Header.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
NTE01	Note Reference Code	363	3/3	M	Enter ZZZ to submit a Shipment Number for NSI documents. Enter "ADD" to submit Document Level Comments	ID
NTE02	Description	352	2/22 1/80	C	Required Shipment Number to be entered here in free-form. If NTE01 = "ADD", enter Document Level Comments	AN

Sample:

NTE^ZZZ^SHIP001

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.

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

Sample:

CUR^BY^EUR

Notes:

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

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

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

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

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

NOTE: There may be up to 12 instances of REF per transaction.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
REF01	Reference Identification Qualifier	128	2/3	M	<p>Enter “E9” Code for Attachments. If REF01 = “E9”, enter the word “Attachment” in REF02 and the attachment name in REF03.</p> <p>Enter “KL” for “Contract Number Type”</p> <p>If the value is not provided, the transaction will be defaulted to a value of B - DoD Contract (FAR), and all associated edits for Contract Number and Delivery Order number structure associated with DOD Contract (FAR) will be applied to the inbound file and if not met the file will fail.</p> <p>Enter “CT” for “Reference Procurement Number” or “GSA Number”</p> <p>Enter “ACC” for Status to capture Draft Indicator. See additional notes below.</p>	ID
REF02	Reference Identification	127	1/30 1/19 1/1	C	<p>If REF01 = “E9”, enter the word “Attachment” in REF02 and the attachment name in REF03.</p> <p>If REF01 = “CT”, enter Reference Procurement Instrument Number or GSA Number in REF02</p> <p>If “KL” is entered in</p>	AN

					<p>REF01, enter the Contract Number Type in REF02, refer to the list below:</p> <p>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)</p> <p>If REF01 = "ACC" enter "Draft"</p>	
REF03	Description	352	1/80	C	<p>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.</p>	AN

Sample:

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

REF^CT^F0981908C7733 (Reference Procurement Sample)

REF^CT^GSA02F0013P (GSA Sample)

REF^ACC^Draft (Draft Indicator)

Notes:

- 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 instances of attachments per transaction as long as the total number of REF instances does not exceed 12.
- When EDI submissions are identified as a “Draft”, the system will process them inbound using the following minimal data set requirements:
 - Vendor CAGE
 - Contract Number Type (Defaults to DoD Contract (FAR) if not entered)
 - Contract Number
 - Delivery Order Number
 - Pay Official DoDAAC
 - Document Type
 - Routing DoDAACs depending on the document type and pay system
 - Invoice/Shipment Number depending on the document type
 - If any Line Item data is submitted, the Item No is mandatory
- Once submitted as a “Draft”, all documents must be processed via the web interface using the current “Save and Continue” functionality. There will be no ability to “add to a document” via additional electronic submissions.

REF01 - Reference Id Qualifier

E9 Attachment Code

CT Reference procurement Instrument Number or GSA Number

KL Contract Reference

ACC Status (used to capture the Draft Indicator)

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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
N101	Entity Identifier	98	2/2	M	See codes below. 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, 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".	AN
N103	Identification Code Qualifier	66	1/2	C	Mandatory when submitting address data. 10 DoDAAC 33 CAGE	ID

					A2 MAPAC Not used when submitting email addresses to which an additional workflow notice should be sent.	
N104	Identification Code	67	5/19	C	Mandatory when submitting address data. DoDAAC, CAGE, DUNS, DUNS+4, or MAPAC 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^ST^^10^N44933

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^L1^^10^FU4417

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

Payment Systems Requirement Notes:

- iRAPT will reject transactions with codes other than those listed below.
- 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 To (ST) is mandatory and must be a valid location code.
- If Ship to DODAAC is Navy ERP then and Inspect By DoDAAC (L1) is not allowed.

- Issue By DoDAAC (BY) is optional and must be a valid DoDAAC, however, if it is available, entering it is strongly advised.
- LPO (PO) is mandatory for One Pay and must be a valid SUPSHIP DoDAAC. LPO is not allowed for Navy ERP.
- Inspect By DoDAACs (L1) is optional for One Pay and not allowed when the Ship To DoDAAC is Navy ERP.
- A Contractor DoDAAC may be submitted in any field where a CAGE, DUNS, or DUNS+4 is permitted except where N101 = PE for Vendor.

Note:

N101 Codes (C4, PR, PE and ST 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
ST	Ship To
L1	Inspect By
FE	Email 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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
N201	Name – free form	93	1/60	C	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.

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

Sample:

N3^Address Information

1.9 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.

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

Samples:

US Address

N4^Orlando^FL^32043

Non-US Address

N4^Madrid^^28000^SP

US Military Address

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

N405 – Location 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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
PER01	Contact Function Code	366	2/2	M	See 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

CN General Contact

1.11 IT1 Segment – Base Item Data, Pos. 010 – Detail

NOTES: 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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
IT101	Assigned Identification – CLIN, SLIN or ELIN One Pay Navy ERP MOCAS	350	4/6 4/6 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. 4 N or 4 N PLUS 2 A CLIN (4N), SLIN (4N + 2AN) or ELIN (1A + 3AN) 4N, 4N2A, 1A3AN, “NONE” or “NONE”NN	AN
IT102	Quantity Invoiced	358	1/10	M	Enter “1” to satisfy the X12 requirement of mandatory entry and allow it to pass through GEX. The value will not be validated by iRAPT and will not display on the NSI document.	N
IT103	Unit or Basis of Measurement Code	355	2/2	M	Unit of Measure Codes. Enter “EA” to satisfy the X12 requirement of mandatory entry and allow it to pass through GEX. The value will not be validated by iRAPT and will not display on the NSI document.	ID

IT104	Unit Price	212	1/14	M	<p>For NSI documents enter the Amount Billed. Amount Billed is affected by currency code. See notes below.</p> <p>Positive, negative or zero Amount Billed values are allowed; however, the Document Total Amount (sum of all Amount Billed values) must be positive.</p>	R11.2
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Samples:

IT1^0001AB^1^EA^2500.25

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

Notes:

IT104 – Amount Billed

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.

1.12 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.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
PID01	Item Description Type	349	1/1	M	See code below.	ID
PID02	Product/Process Characteristic Code	750	N/A	N/A	Not used.	N/A
PID03	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^^^^Shipbuilding Services

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

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

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

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
REF01	Reference Identification Qualifier	128	2/2	M	See codes below.	ID
REF02	Reference Identification	127	1/30	C	Purchase Request Number	AN

Samples:

REF^11^0001

REF01 - Reference Codes

11 Purchase Request Number

1.14 TDS Segment – Total Monetary Value Summary, Pos. 010 – Summary

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

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
TDS01	Amount	610	1/15	M	Total Amount of Invoice 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. This field is affected by currency code. See notes below.	N2

Sample:

TDS^75268

Notes:

TDS01 – Total 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.

1.15 CTT Segment – Transaction Totals, Pos. 070 – Summary**NOTE:** There must be one instance of CTT per transaction.

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

Sample:

CTT^10

1.16 SE Segment – Transaction Set Trailer, Pos. 080 – Summary

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

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SE01	Number of included Segments, 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