

WideAreaWorkFlow

e-Business Suite



EDI Guide - Appendix G 810V - Grant Voucher

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Prepared For:
Defense Logistics Agency

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

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Approved By:

Prepared By:

2/15/2016

X

Kim Mironov

Kim Mironov
iRAPT FTP/EDI Technical Writer
Signed by: Kim Mironov

Approved By:

2/16/2016

X

Aimee Ivey

Aimee Ivey
iRAPT EDI Technical Manager
Signed by: aivey

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History Page

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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
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5.8.0-2	08/25/15	DR 1274 BIG pos. 020- BIG09: Updated iRAPT requirement Added samples for Final Voucher Indicator Notes: BIG09- Added "If 'IN', 'A1', or 'PB' is entered, the Final Invoice Indicator in iRAPT will be set to 'N'." BIG09- Action Code: Added code "IN"
5.9.0-1	12/17/15	WAWF-2762 Updated version to 5.9.0, updated deployment date to June 2016
5.9.0-2	02/12/16	IRAPT-913 General Instructions- Notes: Added the following-

		<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.
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Table of Contents

1	GENERAL INSTRUCTIONS	1
1.1	ST Segment – Transaction Set Header, Pos. 010 - Header	4
1.2	BIG Segment – Beginning Segment for Invoice, Pos. 020 - Header	5
1.3	NTE Segment – Note/Special Instruction, Pos. 030 – Header	8
1.4	CUR Segment – Currency, Pos. 040 – Header	9
1.5	REF Segment – Reference Identification, Pos. 050 - Header.....	10
1.6	N1 – Name Segment, Pos. 070 – Header	12
1.7	N2 Segment, Pos. 080 - Header	15
1.8	N3 Segment, Pos. 080 - Header	16
1.9	N4 Segment, Pos. 090 - Header	17
1.10	REF Segment – Reference Identification, Pos. 110 – Header	18
1.11	PER Segment – Administrative Communications Contact, Pos. 120 - Header	19
1.12	ITD Segment – Pos. 130 – Header – Not Used.	21
1.13	DTM Segment – Date/Time Reference, Pos. 140 - Header	22
1.14	FA1 Segment – Pos. 290 - Header – Not used.....	23
1.15	FA2 Segment – Accounting Data, Pos. 300 - Header – Not used.....	24
1.16	IT1 Segment – Base Item Data, Pos. 10 - Detail.....	25
1.17	PID Segment – Product/Item Description, Pos. 060 – Detail - Not used.....	26
1.18	REF Segment – Reference Identification, Pos. 120 – Detail	27
1.19	SLN Segment – Subline Item Data, Pos. 200 – Detail.....	28
1.20	FA1 Segment – Pos. 350 – Detail - Not used.	30
1.21	FA2 Segment – Accounting Data, Pos. 360 - Detail – Not used.	31
1.22	TDS – Segment – Total Monetary Value Summary, Pos. 010 - Summary	32
1.23	TXI Segment – Tax Information, Pos. 020 – Summary - Not used.....	33
1.24	SAC Segment –Pos. 040 – Summary - Not used.....	34
1.25	CTT Segment – Transaction Totals, Pos 070 - Summary	35
1.26	SE Segment – Transaction Set Trailer, Pos. 080 - Summary.....	36

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1 General Instructions

The following pages represent the iRAPT Data Element/Segment Cross Reference for reporting Grant Voucher information via EDI 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 will accept are outlined below. The information represents 810V (Grants Vouchers) X12 transactions into Invoicing, Receipt, Acceptance and Property Transfer (iRAPT).

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.

- **N_v** 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 use format CCYYMMDD
- **TM** All Time Fields 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 will ignore all codes not identified in this guide.
- For Grant Vouchers, iRAPT will restrict users who select Grant Approver to authorized DCMA or Office of Naval Research DoDAACs only.

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- For Grant Vouchers, iRAPT will allow Pay Office location codes for CAPS-C/W, IAPS-E, MOCAS, and One Pay.
 - 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.
 - PayWeb will utilize the format outlined below to send EDI transaction sets to iRAPT.
 - 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^810^0001

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 MOCAS	76	1/22 7/8	M	Voucher Number First 3 positions alpha (BVN), 4th position is Alphanumeric, 5th – 7th positions are numeric, 8th position is only used for final shipment and is a Z. The Voucher Number will be converted to uppercase.	AN
BIG03	Date	373	8/8	O	CCYYMMDD – Award Date	DT
BIG04	Purchase Order Number MOCAS Contract Number Type	324	1/19 13/13	M	PO Number – Contract No. See BIG05 notes on varying Contract Number sizes based on Delivery Order entry. Must be 13 alphanumeric characters with no spaces, 7 th and 8 th position must be numeric, 9 th position must be an alpha character. If the letters “A,” “D,” or “G” are entered in the 9 th position, a Delivery Order Number in Field 2 is required. The letters “O” and “I” may not be used within the Contract Number. Contract Number Type will be defaulted to “Grant”.	AN
BIG05	Release Number	328	4/17	C	Release Number – Delivery Order No. A Delivery Order Number must be blank, 4, 13, or 17 A/N characters.	AN

					<p>If the Delivery Order Number is blank or is 4 A/N characters in length, then the Contract Number reported in the BIG04 must be 13 A/N characters.</p> <p>If the Delivery Order Number is 13 or 17 A/N characters in length, then the Contract Number reported in the BIG04 must be 1/19 A/N characters.</p>	
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.	ID

Samples:

BIG^20110329^045^^N666040721044^^^CB^00^PB (Partial)

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

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

BIG^20110329^045^^N666040721044^^^CB^00^F (Final)

BIG^20110329^045^^N666040721044^^^CB^00^IN (Not Final)

Notes:

- iRAPT will reject transactions with codes other than those listed below.
- iRAPT Field size limitations are noted above.
- BIG09 – If “F” is entered, Final Voucher Indicator in iRAPT will be set to “Y”. If “IN”, “A1”, or “PB” is entered, the Final Voucher Indicator in iRAPT will be set to “N”.
- 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

CB Grant Voucher

BIG08 - Transaction Purpose Codes

00 Original

01 Void

05 Void & Replace

BIG09 - Action Code

A1 Certified in Total

F FinalIN Not Final

PB Partial

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

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

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 "ADD" to submit Document Level Comments	ID
NTE02	Description	352	1/80	C	If NTE01 = "ADD", enter Document Level Comments	AN

Sample:

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

NTE01 - Reference Codes

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 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		AN

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.

Samples:

REF^E9^Attachment^ExtraMaterial.doc

REF^ZZ^A^C (Payment Type Requested)

REF^ACC^Draft (Draft Indicator)

Notes:

- iRAPT will reject transactions with codes other than the ones noted below. If REF01 is used, REF02 and REF03 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 instances of attachments per transaction as long as the total number of REF Segments 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

ZZ Payment Type

ACC Status (used to capture the Draft Indicator)

1.6 N1 – Name Segment, Pos. 070 – Header

NOTES: There must be at least four instances of 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. 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. See codes below. Not used when submitting email addresses to which an additional workflow notice should be sent.	ID
N104	Identification Code – code sited in Field 3	67	5/19	C	Mandatory when submitting address data. Enter CAGE, DUNS, DUNS+4, DoDAAC, or MAPAC if applicable. Extensions are not allowed when N101 has an identifier code of BT, 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

Sample:

N1^BT^^10^N00014

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

Notes:

- iRAPT rejects transactions with codes other than those listed below.
- Vendor (PE) is mandatory.
- Issue By DoDAAC (BT) is optional and must be a valid DoDAAC.

1.7 N2 Segment, Pos. 080 - Header

NOTES: There may be one instance of N2 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>
N201	Name – free form	93	1/60	C	Name Activity 2	AN
N202	Name – free form	93	1/60	O	Name Activity 3	AN

Sample:

N2^Name Activity 2

1.8 N3 Segment, Pos. 080 - Header

NOTES: There may be up to two instances of the N3 for each 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>
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. 090 - 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 Service Approver 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^Spain^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 (noted above in Notes section) in the N403, N405, and N406.

1.10 REF Segment – Reference Identification, Pos. 110 – Header

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

Only used when N101 = PE.

<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	O	11 - Payee Account Number	ID
REF02	Reference Identification	127	1/22	C	Performer's internal Account number.	AN

Samples:

REF^11^01446

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

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

PER Segment 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 code 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.	AN

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

Sample:

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

1.12 ITD Segment – Pos. 130 – Header – Not Used.

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

NOTES: There must be two instances of DTM.

iRAPT only accepts DTM at the Document level, not the Line Item level.

Use two iterations of the Segment when a range of dates (expressed as period start – period end) is required.

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

Samples:

DTM^186^20110201

DTM^187^20110228

DTM01 – *Date/Time Qualifier*

186 Invoice Period Start

187 Invoice Period End

1.14 FA1 Segment – Pos. 290 - Header – Not used.

1.15 FA2 Segment – Accounting Data, Pos. 300 - Header – Not used.

1.16 IT1 Segment – Base Item Data, Pos. 10 - Detail

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

The IT1 Loop must loop one to 999 times 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>
IT101	Assigned Identification – CLIN, SLIN or ELIN	350	4/6	M	Submit ZZZZ – Used as a placeholder to start the IT1 loop.	AN
IT102	Quantity Invoiced	358	N/A	N/A	Not used.	N/A
IT103	Unit or Basis of Measurement Code	355	N/A	N/A	Not used.	N/A
IT104	Unit Price	212	N/A	N/A	Not used.	N/A
IT105	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A
IT106	Product/Service ID Qualifier	235	N/A	N/A	Not used.	N/A
IT107	Product Service ID	234	N/A	N/A	Not used.	N/A

Samples:

IT1^ZZZZ

1.17 PID Segment – Product/Item Description, Pos. 060 – Detail - Not used.

1.18 REF Segment – Reference Identification, Pos. 120 – Detail

NOTE: There may be one or more instances of 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	1/1	O	Column A, B or C	AN
REF03	Description	352	1/80	C	If "87" is entered in REF01, enter text in REF03.	AN

Samples:

REF^87^a^free form text

REF^87^b^free form text

REF^87^c^free form text

Notes:

- iRAPT will ignore REF01 codes other than those listed below.
- iRAPT will ignore REF01 if REF02 is not populated.

REF01 - Reference Codes

87 Functional Category

1.19 SLN Segment – Subline Item Data, Pos. 200 – Detail

NOTES: There may be multiple instances of SLN per IT1 Loop. Repeat the SLN Loop as needed to identify lines in Sections 11 and 12.

<i>Segment</i>	<i>Description</i>	<i>Element</i>	<i>iRAPT Min/Max</i>	<i>iRAPT Req.</i>	<i>iRAPT Notes</i>	<i>Type</i>
SLN01	Assigned Identification	350	1/1	M	Use as counter for each line item in the transaction.	AN
SLN02	Assigned Identification	350	N/A	N/A	Not used.	N/A
SLN03	Relationship Code	662	1/1	M	I - Included	ID
SLN04	Quantity	380	1/1	M	Use "1"	ID
SLN05	Unit or Basis of Measurement Code	355	2/2	M	EA - Each	ID
SLN06	Unit Price	212	1/15	C	For Blocks 11 and 12: Enter the dollar value. For CAMIS: Enter the value charged to the appropriation line item.	R13.2
SLN07	Basis of Unit Price Code	639	N/A	N/A	Not used.	N/A
SLN08	Relationship Code	662	N/A	N/A	Not used.	N/A
SLN09	Product/Service ID Qualifier	235	2/2	C	Major cost element categories: TP - All other major cost elements. Used for Sections 11 and 12 of SF270	ID
SLN10	Product/Service ID	234	1/40	C	Name of the major cost element. Use to indicate Section 11 and 12 from SF270. For example: 11aa - line 11a, column 'a'; 11atot - line 11a, total column. See below for Block 11 and 12 Reference Labels.	AN

Sample:

SLN^1^^I^1^EA^500.00^^TP^11aa

Notes:

- CAMIS requires either section 11 or section 12 for a 270 invoice. For section 11, provide all items for column a and total column.

Block 11 and 12 Reference Labels:

Block 11: Computation of Amount of Reimbursements/Advances Requested.

One or more column entries and total entry per item.

	A	B	C	Total
a. Total program outlays to date:	11aa	11ab	11ac	11atot
b. Less: Cumulative program income:	11ba	11bb	11bc	11btot
c. Net program outlays:	11ca	11cb	11cc	11ctot
d. Estimated net cash outlays for advance period:	11da	11db	11dc	11dtot
e. Total (sum c & d):	11ea	11eb	11ec	11etot
f. Non-Federal share of amount on line e:	11fa	11fb	11fc	11ftot
g. Federal share of amount on line e:	11ga	11gb	11gc	11gtot
h. Federal payments previously requested:	11ha	11hb	11hc	11htot
i. Federal share now requested (line g minus line h):	11ia	11ib	11ic	11itot
j. Advances requested by month, when requested by Federal grantor agency for use in making prescheduled advances				
1 st month	11j1a	11j1b	11j1c	11j1tot
2 nd month	11j2a	11j2b	11j2c	11j2tot
3 rd month	11j3a	11j3b	11j3c	11j3tot

Note: Must have at least column A and total column. Sum of columns = total column.
Calculations

Block 12: Alternate Computation for Advances Only

Estimated Federal cash outlays that will be made during period covered by the advance:	12a
Less: Estimated balance of Federal cash on hand as of beginning of advance period:	12b
Amount requested (line a minus line b):	12c

1.20 FA1 Segment – Pos. 350 – Detail - Not used.

1.21 FA2 Segment – Accounting Data, Pos. 360 - Detail – Not used.

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

NOTES: 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, before discount. iRAPT requires TDS01 to 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 – 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 - Not used.

1.24 SAC Segment –Pos. 040 – Summary - Not used.

1.25 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.	N0

Sample:

CTT^1

1.26 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		N0
SE02	Transaction Set Control Number	329	4/9	M	Same number as in ST02 should be cited.	AN

Sample:

SE^250^0001