WideAreaWorkFlow
e-Business Suite

EDI Guide
Appendix I
811T (Contractual and Non-Contractual Consolidated Service Invoice/Statement)
Version 5.10.0

February 2017

Prepared For:
Defense Logistics Agency

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

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811 Consolidated Service Invoice/Statement

Functional Group ID=CI

Introduction:

iRAPT VERSION:
5.10.0
February 2017

This iRAPT guide is based on the DoD Consolidated Service Invoice/Statement Transaction Set (811) which contains the base format and establishes the data contents of their use. This transaction set provides for the billing or reporting of complex and structured contractual and non-contractual service invoice/statement detail. This standard can be used by DoD trading partners who are interested in sending either consolidated or standalone invoices for service arrangements which require processing other than that done using a commercial invoice variation.

Notes:

DoD/Federal IC Notes:
1. Use a single occurrence of this transaction to invoice or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.

2. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.

3. For summing rules and examples, refer to Alliance for Telecommunications Industry Solutions (ATIS) on behalf of the Ordering and Billing forum (OBF). This information is available on the web.

4. Use this transaction set to transmit telecommunication consolidated service invoices to a Federal Government activity responsible for initiating the payment. This implementation convention may also be used within the federal government to transmit all or portions of the invoice to other activities for repayment to the activity or for information.

For iRAPT:
811_WAWF_4010_EDI_Detail
DoD IC - 004010D811T1 - July 22, 2009

General Instructions:

The following pages represent the iRAPT Data Element/Segment Cross Reference for reporting 811T EDI data into iRAPT for the current release. 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 811T (Contractual and Non-Contractual Consolidated Service Invoice/Statement) X12 transactions into Invoicing, Receipt, Acceptance and Property Transfer (iRAPT). This EDI Guide was created using the latest draft of the Implementation Conventions (Version 004010D811T0).

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 1/REF/050) to associate the attachment with the transaction.

WAWF 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.

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

Attributes:
This guide displays both User (iRAPT) and Base (X12) data element attributes side by side. The codes used in these table columns are defined here. iRAPT Attributes are only displayed if they differ from X12 usage, and further restrict X12 Attributes.

Base Attributes (X12 Attributes)
- M Must Use
- O Optional
- C Conditional
- X Relational (Element level only) - Will have a Syntax or Dependency Note describing usage.

User Attributes (iRAPT Attributes)
- M Mandatory - Required by iRAPT.
- O Optional
- C Conditional - Will have a iRAPT Note describing usage.
- Not Used Not used - Not used by iRAPT.

The Type field describes what kind of data iRAPT will expect to receive for a given Element. Possible Type codes are defined here.

- 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. Decimal (.) and negative (-) characters do not count against the Min/Max set for R type fields. 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. Codes used by iRAPT will be listed within the element or another specified location
- AN Alphanumeric String
- DT All date Fields will use format CCYYMMDD
- TM All time Fields will use the format HHMMSS

Transaction Notes:
- All notes shaded in grey ("For iRAPT", "iRAPT Edits", "Samples", etc.) pertain specifically to iRAPT and may not reflect an X12 usage. Whenever a iRAPT-specific note says to use a data element for a purpose not mentioned by "DoD/Fed IC Notes", "Syntax Notes", "Semantic Notes", or other notes not shaded in grey, the iRAPT instruction takes precedence.
- The values that iRAPT accepts for all fields are described. By default, iRAPT rejects all codes and values 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.

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.

History Page:

5.4.0-1 10/30/12 CAMCG166
Removed all History prior to 5.4

5.4.0-2 10/30/12 ECP0725
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 12/14/12 WIT Issue 2501 v5.4 SIT
REF Pos.50: Added additional "Draft" information to notes section

5.4.0-4 12/17/12 WIT Issue 2467 v5.4 SIT
REF Pos.50, REF02: Updated Grant to Grant/Cooperative Agreement and added Non-Procurement Instruments to "D"

5.4.1-1 03/6/13 CAMCG196
Updated to Version 5.4.1, July 2013

5.4.1-2 03/6/13 ECP_0727 - FTP/EDI Guides
IT1 Pos.010, IT101: Added MOCAS edit - 4N, 4N2A, 1A3AN, "NONE" or "NONE"NN
SLN Pos. 390, SLN01: Added MOCAS edit - 4N, 4N2A, 1A3AN, "NONE" or "NONE"NN

5.5.0-1 07/26/2013 CAMCG211
Updated to version 5.5, January 2014

5.6.0 - 5/7/2014 WAWF-215
Updated to version 5.6, August 2014

5.6.1 - 5/7/2014 WAWF-323
IT1 Pos. 210, IT01: Added "The letters "I" and "O" may not be used within the Line Item Number."
SLN Pos. 390, SLN01: Added "The letters "I" and "O" may not be used within the Line Item Number."

5.6.2 - 5/27/2014 WAWF-737 WIT Issue 3894 v5.6 SIT ECP 764 5.6b1f1
IT1 Pos. 210, IT06 and IT107: Removed iRAPT Notes referring to Stock Number Type and Stock Number.
SLN Pos. 390, SLN09 and SLN10: Removed iRAPT Notes referring to Stock Number Type and Stock Number.

5.6.0 - 5/7/2014 WAWF-1283
Updated to October2014; changed references to WAWF to iRAPT

5.6 - 9/2/2014 WAWF-1449
REF Pos.050 -
REF02: For Contract Number, added “Positions 10 through 13 may not be “0000”.” to Contract Number edits for DoD FAR Contract.
REF02: For Delivery Order Number, 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 - 11/13/2014 WAWF-1556 ECP0731
Updated the following segments to accept additional email information:
N1 Segment – Name Segment, Pos. 100 - Heading
PER Segment – Administrative Communications Contact, Pos. 150 - Header

5.7 - 02/24/2015 WAWF-1908 ECP0794 guide updates
REF Segment at position 050
Added Contract Number Type - S Uniform PIID (FAR 4.16)
Added Edits for Contract Number and Delivery Order

5.8 - 08/26/2015 - DR 1274 - Set BIG07 to Mandatory

5.9 - 2/5/2016 - WAWF-2762 - updated version

5.9 - 2/8/2016 - WAWF-2885
ITD pos. 070 - iRAPT Payment System Edit Notes: MOCAS- Removed ITD04 and ITD08.

5.9 - 2/15/2016 IRAPT-913 ECP_0875
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.

5.10 - 11/23/2016 IRAPT-1721
REF Segment at Position 050: Contract Number and Delivery Order Edits: Increased fiscal year requirements by 1 for all edits of contract type DoD Contract (FAR).

iRAPT Edits:
EBS and Standard Pay are not allowed to submit 811T Telecom Invoices.

MOCAS and Navy ERP are not allowed to submit Non-Contractual 811T Telecom Invoices.

Heading:

Page No.	Pos. No.	Seg. ID	Name	X12 Attributes	WAWF Attributes	Max.Use	Loop Repeat	Notes and Comments
	010	ST	Transaction Set Header	M	M	1		
	020	BIG	Beginning Segment for Invoice	M	M	1		
	030	NTE	Note/Special Instruction	O	O	100		
	040	CUR	Currency	O	O	1		
	050	REF	Reference Identification	O	O	>1		
	060	PER	Administrative Communications Contact	O	O	3		
	070	ITD	Terms of Sale/Deferred Terms of Sale	O	O	5		
	080	DTM	Date/Time Reference	O	O	10		
	090	TXI	Tax Information	O	O	>1		
			LOOP ID - N1				>1	
	100	N1	Name	O	M	1		
	110	N2	Additional Name Information	O	C	2		

	120	N3	Address Information	O	C	2	
	130	N4	Geographic Location	O	C	1	
	140	REF	Reference Identification	O	O	12	
	150	PER	Administrative Communications Contact	O	C	3	

Detail:

Page No.	Pos. No.	Seg. ID	Name	X12 Attributes	WAWF Attributes	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL				>1	
	010	HL	Hierarchical Level	M	M	1		n1
			LOOP ID - LX				>1	
	020	LX	Assigned Number	O	O	1		
	030	SI	Service Characteristic Identification	O	O	8		
	040	PID	Product/Item Description	O	O	200		
	050	REF	Reference Identification	O	O	>1		
	060	AMT	Monetary Amount	O	O	5		
	070	DTM	Date/Time Reference	O	O	8		
	080	TXI	Tax Information	O	O	>1		
			LOOP ID - QTY				10	
	090	QTY	Quantity	O	O	1		
	100	SI	Service Characteristic Identification	O	O	1		
			LOOP ID - NM1				1	
	110	NM1	Individual or Organizational Name	O	O	1		n2
	120	N2	Additional Name Information	O	O	2		
	130	N3	Address Information	O	O	2		
	140	N4	Geographic Location	O	O	1		
	150	REF	Reference Identification	O	O	2		
	160	PER	Administrative Communications Contact	O	O	>1		
	170	TXI	Tax Information	O	O	>1		
			LOOP ID - ITA				>1	
	180	ITA	Allowance, Charge or Service	O	O	1		
	190	DTM	Date/Time Reference	O	O	1		
	200	TXI	Tax Information	O	O	>1		
			LOOP ID - IT1				999	
	210	IT1	Baseline Item Data (Invoice)	O	O	1		n3
	220	SI	Service Characteristic Identification	O	O	2		
	230	PID	Product/Item Description	O	M	200		
	240	INC	Installment Information	O	O	1		
	250	TXI	Tax Information	O	O	>1		
	260	REF	Reference Identification	O	O	8		
	270	DTM	Date/Time Reference	O	O	10		
	280	MSG	Message Text	O	O	>1		
	285	AMT	Monetary Amount	O	O	1		
			LOOP ID - QTY				>1	
	290	QTY	Quantity	O	O	1		
	300	SI	Service Characteristic Identification	O	O	1		
			LOOP ID - ITA				10	
	310	ITA	Allowance, Charge or Service	O	O	1		
	320	DTM	Date/Time Reference	O	O	1		

330	TXI	Tax Information	O	O	>1		
		LOOP ID - NM1				>1	
340	NM1	Individual or Organizational Name	O	O	1		
350	N2	Additional Name Information	O	O	2		
360	N3	Address Information	O	O	2		
370	N4	Geographic Location	O	O	1		
380	PER	Administrative Communications Contact	O	O	3		
		LOOP ID - SLN				>1	
390	SLN	Subline Item Detail	O	O	1		n4
400	SI	Service Characteristic Identification	O	O	10		
410	PID	Product/Item Description	O	O	200		
420	CUR	Currency	O	O	1		
430	INC	Installment Information	O	O	1		
440	ITA	Allowance, Charge or Service	O	O	10		
450	TXI	Tax Information	O	O	>1		
460	REF	Reference Identification	O	O	>1		
470	PER	Administrative Communications Contact	O	O	3		
480	DTM	Date/Time Reference	O	O	10		
490	AMT	Monetary Amount	O	O	15		
500	MSG	Message Text	O	O	>1		
		LOOP ID - QTY				>1	
510	QTY	Quantity	O	O	1		
520	SI	Service Characteristic Identification	O	O	1		
		LOOP ID - NM1				>1	
530	NM1	Individual or Organizational Name	O	O	1		
540	N2	Additional Name Information	O	O	2		
550	N3	Address Information	O	O	2		
560	N4	Geographic Location	O	O	1		
570	REF	Reference Identification	O	O	8		
580	PER	Administrative Communications Contact	O	O	3		
		LOOP ID - TCD				>1	
590	TCD	Itemized Call Detail	O	O	1		n5
600	SI	Service Characteristic Identification	O	O	2		
610	TXI	Tax Information	O	O	>1		
615	ITA	Allowance, Charge or Service	O	O	>1		
		LOOP ID - QTY				>1	
617	QTY	Quantity	O	O	1		
618	SI	Service Characteristic Identification	O	O	1		
		LOOP ID - USD				>1	
620	USD	Usage-Sensitive Detail	O	O	1		n6
625	SI	Service Characteristic Identification	O	O	2		
630	ITA	Allowance, Charge or Service	O	O	2		
640	TRF	Rating Factors	O	O	18		
		LOOP ID - QTY				>1	
650	QTY	Quantity	O	O	1		
660	SI	Service Characteristic Identification	O	O	1		

Summary:

Page No.	Pos. No.	Seg. ID	Name	X12 Attributes	WAWF Attributes	Max.Use	Loop Repeat	Notes and Comments
	010	TDS	Total Monetary Value Summary	M	M	1		
			LOOP ID - ITA				>1	
	020	ITA	Allowance, Charge or Service	O	O	1		
	030	DTM	Date/Time Reference	O	O	1		
	035	REF	Reference Identification	O	O	5		
			LOOP ID - BAL				>1	
	040	BAL	Balance Detail	O	O	1		
	050	DTM	Date/Time Reference	O	O	1		
			LOOP ID - N1				>1	
	060	N1	Name	O	O	1		
			LOOP ID - BAL				>1	
	070	BAL	Balance Detail	O	O	1		
	080	DTM	Date/Time Reference	O	O	1		
			LOOP ID - ITA				>1	
	090	ITA	Allowance, Charge or Service	O	O	1		
	100	DTM	Date/Time Reference	O	O	2		
	103	SI	Service Characteristic Identification	O	O	2		
	105	REF	Reference Identification	O	O	5		
			LOOP ID - LX				>1	
	107	LX	Assigned Number	O	O	1		
	108	REF	Reference Identification	O	O	1		
			LOOP ID - AMT				>1	
	109	AMT	Monetary Amount	O	O	1		
	110	DTM	Date/Time Reference	O	O	1		
			LOOP ID - ITA				>1	
	111	ITA	Allowance, Charge or Service	O	O	1		
	112	DTM	Date/Time Reference	O	O	1		
	115	CTT	Transaction Totals	O	O	1		n7
	120	SE	Transaction Set Trailer	M	M	1		

Transaction Set Notes

1. Valid codes for HL03 to define levels for this transaction set are given below: 1 - Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 - Billing Arrangement (Identifies a Specific Billing Arrangement) 3 - Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 - Group (Identifies a Group of Charges on the Bill) 5 - Category (Identifies the Subdivision of the Group) 6 - Subcategory (Identifies a Further Breakdown of the Category) 7 - Type (Identifies a Further Breakdown of the Subcategory) 8 - Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 - Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the service/billing provider level and group level is required.

2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.

3. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.

4. The SLN loop may only appear at the charge detail level.

5. The TCD loop may only appear at the line detail level.

6. The USD loop may only appear at the line detail level.

7. The number of line items (CTT01) is the accumulation of the number of IT1 segments.

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:
Business Rules: Variable Name: STST

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ST01	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 811 Consolidated Service Invoice/Statement	**M**	**ID 3/3**	**M**
ST02	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN 4/9**	**M**

Segment: **BIG** **Beginning Segment for Invoice**
Position: 020
Loop:
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
Syntax Notes:
Semantic Notes:
1 BIG01 is the invoice issue date.
2 BIG03 is the date assigned by the purchaser to purchase order.
3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.
Comments:
1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
BIG01	**373**	**Date** Date expressed as CCYYMMDD **For iRAPT:** CCYYMMDD Date of Invoice	**M**	**DT 8/8**	**M**
BIG02	**76**	**Invoice Number** Identifying number assigned by issuer **DoD/Federal IC Notes:** OBF recommends that this number be unique. One method that may be used to make this number unique is to join the account number and the invoice date. **For iRAPT:** The Invoice Number will be converted to upper case. It will most likely be made up of the "Billing Account Number" plus the date (1-22 Alpha-Numeric Characters). **iRAPT Edits:** MOCAS - Min/Max 1/8	**M**	**AN 1/22**	**M**
BIG03	**373**	**Date** Date expressed as CCYYMMDD **For iRAPT:** Contract Issue Date If the BIG03 is not provided, this data element will be populated from EDA if the information is available.	**O**	**DT 8/8**	**O**
BIG04	**324**	**Purchase Order Number**	**O**	**AN 1/22**	**Not Used**
BIG05	**328**	**Release Number**	**O**	**AN 1/30**	**Not Used**
BIG06	**327**	**Change Order Sequence Number**	**O**	**AN 1/8**	**Not Used**
BIG07	**640**	**Transaction Type Code** Code specifying the type of transaction **For iRAPT:** Contractual Invoice: Enter "DI" for Contractual Invoice / Non-Final Enter "FB" for Contractual Invoice / Final Bill For Non-Contractual Invoice: Enter "26" for Vendor Created Misc. Pay - Services Invoice **iRAPT Edits:**	**M**	**ID 2/2**	**M**

MOCAS and Navy ERP do not allow non-Contractual Invoices and may not enter "26" in BIG07.

26	Miscellaneous Services Invoice
DI	Debit Invoice
FB	Final Bill

BIG08 353 Transaction Set Purpose Code O ID 2/2 O

Code identifying purpose of transaction set

For iRAPT:

For Void or Void & Replace documents, the following Key Data Elements cannot be changed:

- Contract Number (for Contractual) / Pseudo PIIN (for Non-Contractual), (1/REF/050, REF02 when REF01 = "CT")
- Delivery Order Number, (1/REF/050, REF02 when REF01 = "DO")
- Shipment Number, (1/REF/050, REF02 when REF01 = "SI") (Contractual only)
- Invoice Number, (1/BIG/020, BIG02)

00	Original
01	Cancellation
	For iRAPT:
	01 - Void
05	Replace
	For iRAPT:
	05 - Void & Replace

Segment: **NTE** **Note/Special Instruction**
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments: **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

The delimiter character "^" is not allowed in comments.
The comments will be concatenated into a single comment which may not exceed 2000 characters.
Comments are mandatory if there is a previously submitted final Invoice against the Contract Number and Delivery Order.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
NTE01	**363**	**Note Reference Code**	**O**	**ID 3/3**	**O**
		Code identifying the functional area or purpose for which the note applies			
		ADD Additional Information			
		GEN Entire Transaction Set			
		INV Invoice Instruction			
		OTH Other Instructions			
		PRI Priority			
		TIL Tariff Index			
		TLF Tariff Rule			
		TRF Tariff Rate Footnotes			
		TSF Tariff Section Footnotes			
NTE02	**352**	**Description**	**M**	**AN 1/80**	**M**
		A free-form description to clarify the related data elements and their content			
		For iRAPT:			
		NTE02 must be used if NTE01 is used.			

Segment: **CUR** **Currency**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
1 If CUR08 is present, then CUR07 is required.
2 If CUR09 is present, then CUR07 is required.
3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4 If CUR11 is present, then CUR10 is required.
5 If CUR12 is present, then CUR10 is required.
6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7 If CUR14 is present, then CUR13 is required.
8 If CUR15 is present, then CUR13 is required.
9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10 If CUR17 is present, then CUR16 is required.
11 If CUR18 is present, then CUR16 is required.
12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13 If CUR20 is present, then CUR19 is required.
14 If CUR21 is present, then CUR19 is required.
Semantic Notes:
Comments:
1 See Figures Appendix for examples detailing the use of the CUR segment.
Notes:
DoD/Federal IC Notes

Use this 1/CUR/040 segment to identify the currency in which payment is requested.

For 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.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes	
CUR01	**98**	**Entity Identifier Code**	**M**	**ID 2/3**	**M**	**ID 2/2**
		Code identifying an organizational entity, a physical location, property or an individual				
		For iRAPT:				
		iRAPT only accepts "BY" for Buying Party (Purchaser). "BY" must be capitalized.				
		BY Buying Party (Purchaser)				
CUR02	**100**	**Currency Code**	**M**	**ID 3/3**	**M**	

Code (Standard ISO) for country in whose currency the charges are specified

DoD/Federal IC Notes:

CAD Canada, Dollars
USD United States of America, Dollars

For additional values, request ISO 4217 Currency Code List.

CUR03	**280**	**Exchange Rate**	**O**	**R 4/10**	**O**

Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

CUR04	**98**	**Entity Identifier Code**	**O**	**ID 2/3**	**O**

Code identifying an organizational entity, a physical location, property or an individual

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

PE	Payee
PM	Party to receive paper Memo of Invoice
RI	Remit To
SE	Selling Party
SJ	Service Provider
	Identifies name and address information as pertaining to a service provider for which billing is being rendered

CUR05	**100**	**Currency Code**	**O**	**ID 3/3**	**O**

Code (Standard ISO) for country in whose currency the charges are specified

DoD/Federal IC Notes:

CAD Canada, Dollars
USD United States of America, Dollars

For additional values, request ISO 4217 Currency Code List.

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

CUR06	**669**	**Currency Market/Exchange Code**	**O**	**ID 3/3**	**O**

Code identifying the market upon which the currency exchange rate is based

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

IMF	International Monetary Fund
LNF	London (England) Exchange - First Closing
LNS	London (England) Exchange - Second Closing
NYC	New York Foreign Exchange
PHI	Philadelphia Foreign Exchange
ZUR	Zurich (Switzerland) Exchange

CUR07	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**	**O**

Code specifying type of date or time, or both date and time

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

001	Cancel After
003	Invoice
007	Effective
	DoD/Federal IC Notes:
	Effective date of exchange

009	Process	
035	Delivered	
092	Contract Effective	
093	Contract Expiration	
102	Issue	
150	Service Period Start	
151	Service Period End	
152	Effective Date of Change	
	Date on which the change went into effect	
153	Service Interruption	
154	Adjustment Period Start	
155	Adjustment Period End	

CUR08	**373**	**Date**	**O**	**DT 8/8**	**O**

Date expressed as CCYYMMDD

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

CUR09	**337**	**Time**	**O**	**TM 4/8**	**O**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Segment: **REF** **Reference Identification**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **For iRAPT**

Only REF Segments with the REF01 codes noted below will be displayed on the iRAPT document. All other data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

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.

Samples

REF^ACC^Draft (Draft Indicator)

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M ID 2/3**	**M**

Code qualifying the Reference Identification

For iRAPT:

If a code is used in REF01, then the associated REF02 and/or REF03 is required. REF03 is only required when "SI" or "E9" is entered in REF01.

Enter "ACC" for Status to capture Draft Indicator.

11	Account Number
	Number identifies a telecommunications industry account
12	Billing Account
	Account number under which billing is rendered
	For iRAPT:
	Use for document level AAA (Not used for Contractual).
14	Master Account Number
	Account number used to represent individual billing accounts which have been consolidated and/or summarized
8M	Originating Company Identifier
8N	Receiving Company Identifier

AAO	Carrier Assigned Code
ACC	Status
	For iRAPT:
	Draft Indicator
AP	Accounts Receivable Number
BB	Authorization Number
	Proves that permission was obtained to provide a service
BF	Billing Center Identification
BLT	Billing Type
CR	Customer Reference Number
CT	Contract Number
	For iRAPT:
	Contractual: Mandatory Non-Contractual: - For Original documents (BIG08 = 00), Contract Number is not used. iRAPT will generate a Pseudo PIIN which will be displayed in the Contract Number field on the Web. - For Void and Void & Replace documents (BIG08 = 01 or 05), "CT" is Mandatory. Enter the Pseudo PIIN that was generated for the original document in REF02.
DO	Delivery Order Number
E9	Attachment Code
	Supplementary reference information
EH	Financial Classification Code
HB	Bill & Hold Invoice Number
IV	Seller's Invoice Number
KL	Contract Reference
	For iRAPT:
	If REF01 = KL, enter Contract Number Type in REF02 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.
LJ	Local Jurisdiction
LU	Location Number
P4	Project Code
PO	Purchase Order Number
R0	Regiristo Federal de Contribuyentes (Mexican Federal Tax ID Number)
RE	Release Number
SI	Shipper's Identifying Number for Shipment (SID)
	A unique number (to the shipper) assigned by the shipper to identify the shipment
	For iRAPT:
	Shipment Number.
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim
V0	Version
VN	Vendor Order Number
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number

		ZZ	Mutually Defined **For iRAPT:** Contractual: If REF01 = 'ZZ', enter Reference Procurement Instrument Number in REF02				
REF02	**127**	**Reference Identification**		**X**	**AN 1/30**	**O**	**AN 1/19**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

For iRAPT:

Contract Number:
If REF01 = CT, the Contract Number must be given in REF02.
Contract Number will be converted to upper case.

Enter GSA Contract Number in the REF02 Segment: Reference Procurement Instrument Number.

Delivery Order:
If REF01 = DO, the Delivery Order Number must be given in REF02.
Delivery Order will be converted to upper case.

Shipment Number:
If REF01 = SI, the Shipment Number must be given in REF02.
Min/Max 7/8
Shipment Number will be converted to upper case.

Attachment:
If REF01 = E9, the word "Attachment" must be given in REF02.

Contractual:
Mandatory

Reference Procurement Instrument Number:
If REF01 = ZZ, enter Reference Procurement Instrument Number in REF02

Contract Number Type:
If "KL" is entered in REF01, enter the Contract Number Type in REF02, refer to the list below:
A Cooperative Agmt.
B DoD Contract (FAR)
C DoD Contract (Non FAR)
D Grant/Cooperative Agreement; Non-Procurement Instruments
E Intragovernmental
F Intergovernmental
G International Agmt.
I Non-DoD Contract (FAR)
J Non-DoD Contract (Non FAR)
K Other Agreement
S Uniform PIID (FAR 4.16)

Draft Indicator:
If REF01 = "ACC" enter "Draft".

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.

Contract Type is "DoD Contract (FAR)"; Fiscal Year 17 and prior
Contract Number Edits:
No special characters allowed.
Must be 13 characters in length.
Contract cannot contain "O" or "I" at any position.
First 6 positions must be a valid government DoDAAC.
Positions 7 and 8 (FY parameter) must be numeric and less than 18 or greater than 65.
Position 9 must be alpha.
Position 9 cannot be - B, E, I, J, N, O, Q, R, T, U, or Y.
Position 10 through 13 in the Contract Number may not be "0000."
Delivery Order Number Edits:
No special characters allowed.
Must be 0, 4, or 13 characters in length.
May not contain "O" or "I" at any position.
For 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.

iRAPT Edits:

Contract Number:
MOCAS, DCMA Admin, DSS:
Min/Max 13/13
Must be 13 alphanumeric characters with no spaces, 7th and 8th position must be numeric, 9th position must be an alpha character. If the letters "A", "D", or "G" are entered in the 9th position, a Delivery Order Number in the next instance of this REF Segment is required. The letters "O" and "I" may not be used within the Contract Number.

Shipment Number:
MOCAS, DCMA Admin:
Mandatory
Min/Max 7/8
Shipment Number must be 7 or 8 characters in the format of AAAXNNN and may have a "Z" in the 8th position.

Shipment Number must contain the prefix "SER", followed by 1 alphanumeric character, followed by 3 numeric characters.
If the Final Shipment Indicator is "Y", then the Shipment Number must be exactly 8 characters with the 8th character being a "Z".
If the Shipment Number is 8 characters and the 8th character is a "Z", then the Final Shipment Indicator must be set to "Y".

REF03	**352**	**Description**	**X**	**AN 1/80**	**O**

A free-form description to clarify the related data elements and their content

For iRAPT:

Shipment Date:
If REF01="SI", then REF03 is mandatory and will contain the Shipment Date.
Min/Max 8/8
CCYYMMDD

Attachments:
If REF01="E9", then REF03 is mandatory and will contain the actual attachment name. Attachment name, including the extension, must not exceed the maximum field length of 80 characters.
Min/Max 1/80

REF04	**C040**	**Reference Identifier**	**O**		**O**

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

For iRAPT:

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**

Code qualifying the Reference Identification

ACB	Region
BLT	Billing Type
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim

C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
		SU Special Processing Code			
		Unique code identifying the special handling requirements for the claim			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **PER** **Administrative Communications Contact**
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PER01	**366**	**Contact Function Code**	**M**	**ID 2/2**	**M**
		Code identifying the major duty or responsibility of the person or group named			
		AR Accounts Receivable Department			
		CC Computer Systems Contact			
		OD Order Department			
PER02	**93**	**Name**	**O**	**AN 1/60**	**Not Used**
PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU Defense Switched Network			
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:** This code is to be used only within the federal government.			
		EM Electronic Mail			
		FX Facsimile			
		TE Telephone			
PER04	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU Defense Switched Network			
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:** This code is to be used only within the federal government.			
		EM Electronic Mail			
		FX Facsimile			
		TE Telephone			
PER06	**364**	**Communication Number**	**X**	**AN 1/80**	**Not Used**
PER07	**365**	**Communication Number Qualifier**	**O**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		EM Electronic Mail			
		FX Facsimile			

		TE	Telephone		
PER08	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			

Segment: **ITD** **Terms of Sale/Deferred Terms of Sale**
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify terms of sale
Syntax Notes:
1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.
2 If ITD08 is present, then at least one of ITD04 ITD05 or ITD13 is required.
3 If ITD09 is present, then at least one of ITD10 or ITD11 is required.
Semantic Notes:
1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.
Comments:
1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.
Notes:
DoD/Federal IC Notes

To specify due date and late payment terms.

For iRAPT

ITD Segments that are submitted with Elements, Element pairs, and codes not used by iRAPT will not be displayed on the iRAPT document but will be saved in the form of an attachment to the iRAPT document if possible.

iRAPT Edits

MOCAS:
Allows for only the discount combination of ITD03 and ITD05.

EBS:
Allows for only one discount combination consisting of ITD03 and ITD05.

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.

One Pay:
Allows two ITD03 and ITD05 combinations or one ITD04 and ITD08 combination. In addition, one ITD07 is allowed.

IAPS-E:
Allows for only one discount combination; ITD03 and ITD05, or ITD04 and ITD08, or ITD07.

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.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
ITD01	**336**	**Terms Type Code**	**O ID 2/2**	**M**
		Code identifying type of payment terms		
		03 Fixed Date		
		For iRAPT:		
		Not used by iRAPT. See For iRAPT Segment note above.		
		08 Basic Discount Offered		
		10 Instant		
		For iRAPT:		
		Not used by iRAPT. See For iRAPT Segment note above.		
		18 Fixed Date, Late Payment Penalty Applies		

Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date

For iRAPT:

Not used by iRAPT. See For iRAPT Segment note above.

22 Cash Discount Terms Apply

Contract terms specify that a cash discount is applicable

ITD02	**333**	**Terms Basis Date Code**	**O**	**ID 1/2**	**O**	

Code identifying the beginning of the terms period

3 Invoice Date

5 Invoice Receipt Date

ITD03	**338**	**Terms Discount Percent**	**O**	**R 1/6**	**O**	

Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

iRAPT Edits:

EBS:
Min/Max 1/3
Discount percentage is limited to NN.N

MOCAS, One Pay, IAPS-E:
Min/Max 1/4
Discount percentage is limited to NN.NN.

CAPS-C/W:
Min/Max 1/5
Discount percentage is limited to NN.NNN.

Navy ERP:
Min/Max 1/6
Discount percentage is limited to NN.NNNN.

ITD04	**370**	**Terms Discount Due Date**	**X**	**DT 8/8**	**O**	

Date payment is due if discount is to be earned expressed in format CCYYMMDD

ITD05	**351**	**Terms Discount Days Due**	**X**	**N0 1/3**	**O**	**N0 1/2**

Number of days in the terms discount period by which payment is due if terms discount is earned

ITD06	**446**	**Terms Net Due Date**	**O**	**DT 8/8**	**O**	

Date when total invoice amount becomes due expressed in format CCYYMMDD

DoD/Federal IC Notes:

Date after which Late Payment Charge applies.

ITD07	**386**	**Terms Net Days**	**O**	**N0 1/3**	**O**	**N0 1/2**

Number of days until total invoice amount is due (discount not applicable)

ITD08	**362**	**Terms Discount Amount**	**O**	**N2 1/10**	**O**	

Total amount of terms discount

For 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.

ITD09	**388**	**Terms Deferred Due Date**	**O**	**DT 8/8**	**O**
		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD			
ITD10	**389**	**Deferred Amount Due**	**X**	**N2 1/10**	**O**
		Deferred amount due for payment **DoD/Federal IC Notes:** Put Late Payment Charge here until X12 approves addition of ITD16.			
ITD11	**342**	**Percent of Invoice Payable**	**X**	**R 1/5**	**O**
		Amount of invoice payable expressed in percent			
ITD12	**352**	**Description**	**O**	**AN 1/80**	**Not Used**
ITD13	**765**	**Day of Month**	**X**	**N0 1/2**	**O**
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced			
ITD14	**107**	**Payment Method Code**	**O**	**ID 1/2**	**O**
		Code identifying type of payment procedures AC Credit Card C Pay By Check E Electronic Payment System			
ITD15	**954**	**Percent**	**O**	**R 1/10**	**O**
		Percentage expressed as a decimal **DoD/Federal IC Notes:** Late payment percentage.			

Segment: **DTM** **Date/Time Reference**
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

To specify billing period.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**	**M**
		Code specifying type of date or time, or both date and time			
		186 Invoice Period Start			
		When the billing period covered by an invoice begins			
		187 Invoice Period End			
		When the billing period covered by an invoice ends			
DTM02	**373**	**Date**	**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD			

Segment: **TXI** **Tax Information**
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax	**M** **ID 2/2**	**M**

AA	Stadium Tax
AB	Surtax
AT	Assessment
BP	Business Privilege Tax
	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer

	in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks
MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services

SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city
ZB	911-County Tax
	Tax levied to recover the cost of providing 911 emergency service within a county
ZC	911-Excise Tax
	Usage tax imposed to recover the cost of 911 service
ZD	911-State Tax
	Tax levied to recover the cost of providing 911 emergency service within a State
ZE	911-Tax
	Tax to recover the cost of 911 service
ZZ	Mutually Defined

TXI02	**782**	**Monetary Amount**	**X**	**R 1/18**	**Not**

					Used
TXI03	**954**	**Percent**	**X**	**R 1/10**	**O**
		Percentage expressed as a decimal			
		DoD/Federal IC Notes:			
		Tax rate for this tax jurisdiction.			
TXI04	**955**	**Tax Jurisdiction Code Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the source of the data used in tax jurisdiction code			
		CD Customer defined			
		VD Vendor defined			
		VE Vertex			
TXI05	**956**	**Tax Jurisdiction Code**	**X**	**AN 1/10**	**O**
		Code identifying the taxing jurisdiction			
TXI06	**441**	**Tax Exempt Code**	**X**	**ID 1/1**	**O**
		Code identifying exemption status from sales and use tax			
		1 Yes (Tax Exempt)			
		2 No (Not Tax Exempt)			
TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A Add			
		D Delete			
		O Information Only			
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **N1** **Name**
Position: 100
Loop: N1 Must Use
Level: Heading
Usage: Must Use
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: **For iRAPT**

There must be at least four instances of the N1 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.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
N101	**98**	**Entity Identifier Code**	**M ID 2/3**	**M**

Code identifying an organizational entity, a physical location, property or an individual

For iRAPT:

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 optional and must be a valid DoDAAC.

Ship To (Acceptor) DoDAAC (SV) is mandatory.

Issue By DoDAAC (BY) is optional and must be a valid DoDAAC.

LPO (PO) is optional for Contractual and mandatory for non-Contractual Invoices and must be a valid DoDAAC.

If the Admin or the Issue By DoDAACs are not provided, these data elements will be populated from EDA if the information is available.

If the Admin DoDAAC is not provided and cannot be populated from EDA, but a valid Administrator is registered to the Ship To DoDAAC, then the Admin DoDAAC will default to the Ship To DoDAAC.

If the Inspect By DoDAAC is not provided but a valid Inspector is registered to the Ship To DoDAAC, then the Inspect By DoDAAC will default to the Ship To DoDAAC.

A Contractor DoDAAC may be submitted in any field where a CAGE, DUNS, or DUNS+4 is permitted except where N101 = PE for Vendor.

To submit email addresses to which an additional workflow notice should be sent, submit "FE" in N101.

AAA	Sub-account
BY	Buying Party (Purchaser)
C4	Contract Administration Office
	Established at either a contractor facility or in a geographic area, and responsible for administering on behalf of the buying activities that assigned contracts for administration and all contracts awarded to either the specific contractor or all contractors in the geographic area
	iRAPT Edits:
	MOCAS: Because Non-Contractual documents (BIG07 = 26) cannot be MOCAS paid, DCMA Admin DoDAACs are not used for Non-Contractual transactions.
FE	Mail Address
L1	Inspection Location
	Place where the item was viewed or inspected
PE	Payee
PO	Party to Receive Invoice for Goods or Services
PR	Payer
SV	Service Performance Site
	When services are contracted for, this describes the organization for whom or location address at which those services will be performed

N102 93 Name X AN 1/60 O

Free-form name

For iRAPT:

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".

N103 66 Identification Code Qualifier X ID 1/2 O

Code designating the system/method of code structure used for Identification Code (67)

For iRAPT:

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.

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)
	DoD/Federal IC Notes:
	This code is to be used only within the federal government.
33	Commercial and Government Entity (CAGE)
	DoD/Federal IC Notes:
	This code is to be used only within the federal government.
A2	Military Assistance Program Address Code (MAPAC)
	Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity

N104	**67**	**Identification Code**	**X**	**AN 2/80**	**O**

Code identifying a party or other code

DoD/Federal IC Notes:

If N103 = '41' use CIC code list maintained by Lockheed Martin. If N103 = '42' use Pseudo-CIC list provided in OBF Section 10.4.

For iRAPT:

Mandatory when submitting address data.

DoDAAC, CAGE or MAPAC 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.

N105	**706**	**Entity Relationship Code**	**O**	**ID 2/2**	**Not Used**
N106	**98**	**Entity Identifier Code**	**O**	**ID 2/3**	**O**

Code identifying an organizational entity, a physical location, property or an individual

For iRAPT:

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

Segment: **N2** **Additional Name Information**
Position: 110
Loop: N1 Must Use
Level: Heading
Usage: Dependent
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: **For iRAPT**

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

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N201	**93**	**Name** Free-form name **For iRAPT:** Name Activity 2	**M**	**AN 1/60**	**M**
N202	**93**	**Name** Free-form name **For iRAPT:** Name Activity 3 Name (Activity) - Mandatory only if Address data is entered; otherwise should not be entered.	**O**	**AN 1/60**	**O**

Segment: **N3** **Address Information**
Position: 120
Loop: N1 Must Use
Level: Heading
Usage: Dependent
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: **For iRAPT**
Refer to Address rules for iRAPT, noted in N1 Segment.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N301	**166**	**Address Information** Address information	**M**	**AN 1/55**	**M**
N302	**166**	**Address Information** Address information	**O**	**AN 1/55**	**O**

Segment: **N4** **Geographic Location**
Position: 130
Loop: N1 Must Use
Level: Heading
Usage: Dependent
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: **For iRAPT**

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

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

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes	
N401	**19**	**City Name** Free-form text for city name	**O**	**AN 2/30**	**O**	
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**ID 2/2**	**O**	
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States) **For iRAPT:** If the Ship To Address is an APO or FPO (N405 = AR), then cite the APO or FPO ZIP Code.	**O**	**ID 3/15**	**C**	
N404	**26**	**Country Code** Code identifying the country	**O**	**ID 2/3**	**O**	**ID 2/2**
N405	**309**	**Location Qualifier** Code identifying type of location **For iRAPT:** Enter AR for Armed Service Location Designator (For APO/FPO). All N4 Segments containing codes other than N4 = AR will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document. AC City and State AR Armed Services Location Designation CC Country CI City SP State/Province	**X**	**ID 1/2**	**O**	**ID 2/2**
N406	**310**	**Location Identifier** Code which identifies a specific location **For iRAPT:** If the Ship To Address is an APO or FPO (N405 = AR), enter APO/FPO and 2 letter code (i.e. AA, AE, or AP). Otherwise this element is not used. AA Miami AE New York AP San Francisco Example: FPO AP, APO AE	**O**	**AN 1/30**	**C**	**AN 2/6**

Segment: **REF** **Reference Identification**
Position: 140
Loop: N1 Must Use
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M ID 2/3**	**M**

01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
10	Account Managers Code Identifies the telecommunications manager assigned to this account
13	Horizontal Coordinate Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
15	Vertical Coordinate Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme
1J	Facility ID Number
4L	Location-specific Services Reference Number
6R	Provider Control Number Number assigned by information provider company for tracking and billing purposes
7I	Subscriber Authorization Number
8M	Originating Company Identifier
8N	Receiving Company Identifier
AAO	Carrier Assigned Code
BC	Buyer's Contract Number
BF	Billing Center Identification
BLT	Billing Type
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DP	Department Number
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
GC	Government Contract Number

GT	Goods and Service Tax Registration Number
IS	Invoice Number Suffix
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LJ	Local Jurisdiction
LU	Location Number
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
P4	Project Code
PO	Purchase Order Number
PX	Previous Invoice Number
RO	Repetitive Booking Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
V0	Version
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number

REF02	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
REF03	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
REF04	**C040**	**Reference Identifier**	**O**		**O**
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier **For iRAPT:** Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.			
C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **PER** **Administrative Communications Contact**
Position: 150
Loop: N1 Must Use
Level: Heading
Usage: Dependent
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **For iRAPT**

One PER Segment must be entered as part of the N1 Loop that describes Payee (N101 = PE) to identify the iRAPT User ID (PER01 = IC) of the user submitting the transaction.

PER Segments in the N1 Loop where N101 = FE will be used to submit email addresses to which WAWF will forward an additional workflow notice for the document.

PER Segments submitted in N1 Loops other than for Payee (N101 = PE) and additional emal addresses (N101 = FE) will not be displayed in iRAPT. When N101 = PE, all PER03-08 Elements will not be displayed in iRAPT.

When submitting email addresses in the N1 Loop where N101 = FE, the PER segment may be repeated up to three times per N1 Loop, allowing for a total of nine email addresses.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PER01	**366**	**Contact Function Code**	**M**	**ID 2/2**	**M**
		Code identifying the major duty or responsibility of the person or group named			
		For iRAPT:			
		iRAPT will ignore codes other than the one for PER01 ("IC" and "CN") noted below.			
		AR — Accounts Receivable Department			
		BI — Bill Inquiry Contact			
		Service Provider contact for making inquires about information on the invoice			
		CN — General Contact			
		IC — Information Contact			
		OD — Order Department			
		TR — Technical Marketing Representative			
PER02	**93**	**Name**	**O**	**AN 1/60**	**M**
		Free-form name			
		For iRAPT:			
		If PER01 is IC, then enter the iRAPT User ID for the individual responsible for the document/transaction being submitted in PER02. The User ID is the personal iRAPT User ID that the individual uses for Web access. The Min/Max for a iRAPT User ID is 8/30.			
		If PER01 is CN, this field is not used.			
PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU — Defense Switched Network			
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			

DoD/Federal IC Notes:

This code is to be used only within the federal government.

EM	Electronic Mail
FX	Facsimile
TE	Telephone

PER04 364 Communication Number X AN 1/80 O

Complete communications number including country or area code when applicable

DoD/Federal IC Notes:

Complete communications number including country or area code when applicable.

For iRAPT:

When PER01 is CN and PER03 is EM, iRAPT will read PER04 as an additional email address to which a workflow notification will be sent.

PER05 365 Communication Number Qualifier X ID 2/2 O

Code identifying the type of communication number

AU	Defense Switched Network
	Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)

DoD/Federal IC Notes:

This code is to be used only within the federal government.

EM	Electronic Mail
FX	Facsimile
TE	Telephone

PER06 364 Communication Number X AN 1/80 O

Complete communications number including country or area code when applicable

For iRAPT:

When PER01 is CN and PER05 is EM, iRAPT will read PER06 as an additional email address to which a workflow notification will be sent.

PER07 365 Communication Number Qualifier O ID 2/2 O

Code identifying the type of communication number

AA	International Telephone Access Code
	Dialing Code required to call another country in addition to the number
AB	Joint Facsimile and Phone Number
AC	Message Only Voice Number
	Telephone number which provides automated messages only
AD	Delivery Location Phone
AP	Alternate Telephone
AS	Answering Service
AU	Defense Switched Network
	Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
BN	Beeper Number
BT	BTX Number
	German communications number for on-line service provided through the Deutsche Bundespost
CA	Cable
CP	Cellular Phone
DN	Defense Data Network (DDN)
	Department of Defense (DoD) data communications system
ED	Electronic Data Interchange Access Number
EM	Electronic Mail
EX	Telephone Extension
FT	Federal Telecommunications System (FTS)
FU	Facsimile User Identifier

FX	Facsimile
HF	Home Facsimile Number
HP	Home Phone Number
IT	International Telephone
MN	Modem Number
NP	Night Telephone
OF	Other Residential Facsimile Number
OT	Other Residential Telephone Number
PA	Appointment Phone
PC	Personal Cellular
PP	Personal Phone
PS	Packet Switching
SP	Showing Phone
	Phone number to call for information about a property showing
TE	Telephone
TL	Telex
TM	Telemail
TN	Teletex Number
	Teletex is specific type of Telex service provided by Deutsche Bundespost
TX	TWX
UR	Uniform Resource Locator (URL)
VM	Voice Mail
WC	Work Cellular
WF	Work Facsimile Number
WP	Work Phone Number

PER08 364 Communication Number O AN 1/80 O

Complete communications number including country or area code when applicable

For iRAPT:

When PER01 is CN and PER07 is EM, iRAPT will read PER08 as an additional email address to which a workflow notification will be sent.

Segment: **HL** **Hierarchical Level**
Position: 010
Loop: HL Optional
Level: Detail
Usage: Must Use
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:
Semantic Notes:
Comments:

1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
The HL segment defines a top-down/left-right ordered structure.

2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.

3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.

5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes: **DoD/Federal IC Notes**

1. When submitting the 811 to any federal agency, use of the HL loop at levels HL03 code "1" and code "4", is required.

2. When the HL segment for a Level 4 indicates that there are no children, multiple IT1 loops may appear at this level; otherwise, there will only be one IT1 loop per HL loop.

3. As in the HL 4, when the HL segment for Level 8 indicates there are no children, multiple SLN loops may appear within one HL loop; otherwise, there will only be one SLN per HL 8 loop.

For iRAPT

Information provided in the HL1 segments (other than subordinate HL4 loops) will not be displayed in iRAPT.

Information provided in the HL2 segments (other than subordinate HL4 loops) will not be displayed in iRAPT.

Information provided in the HL3 segments (other than subordinate HL4 loops) will not be displayed in iRAPT.

Data submitted in the IT1 and PID segments in the HL4 loop will be displayed in iRAPT as line items.

Data submitted in HL5, HL6, HL7, HL8, and HL9 will be saved as an attachment to iRAPT.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
HL01	**628**	**Hierarchical ID Number** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure **DoD/Federal IC Notes:**	**M AN 1/12**	**M**

Sequential number assigned to this HL segment.

For iRAPT:

In the first Loop, cite number 1.
Increased by one each subsequent Loop.

HL02 734 Hierarchical Parent ID Number O AN 1/12 O

Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

DoD/Federal IC Notes:

Not used at HL1 (Service Provider).

For iRAPT:

For first loop, HL03=1 for Service Provider, leave blank.
For all subsequent loops, cite the identification number (HL01) of the next higher hierarchical loop.

HL03 735 Hierarchical Level Code M ID 1/2 M

Code defining the characteristic of a level in a hierarchical structure

DoD/Federal IC Notes:

Use any code. Listed codes are preferred.

1 Service/Billing Provider
2 Billing Arrangement
This level can only be used as a subordinate to level 1.
3 Sub-Billing Arrangement
This level can only be used as a subordinate to level 2.
4 Group
This level can only be used as a subordinate to level 1, 2 or 3.
5 Category
This level can only be used as a subordinate to level 4.
6 Sub-Category
This level can only be used as a subordinate to level 5.
7 Type
This level can only be used as a subordinate to level 6.
8 Charge Detail
This level can only be used as a subordinate to level 4, 5, 6 or 7.
9 Line Detail

1	Service/Billing Provider
	Code identifying the telecommunications company providing service/billing
2	Billing Arrangement
	Code identifying a specified billing arrangement
3	Sub-Billing Arrangement
	Code identifying a more detailed billing arrangement
4	Group
	Code identifying a group of charges on the bill
5	Category
	Code identifying the sub-division of the group
6	Sub-Category
	Code identifying a further breakdown of the category
7	Type
	Code identifying a further breakdown of the sub-category
8	Charge Detail
	Code identifying the lowest level of charges within a billing arrangement
9	Line Detail
	Code identifying the supporting detail associated with the charge or group

HL04 736 Hierarchical Child Code O ID 1/1 M

Code indicating if there are hierarchical child data segments subordinate to the level being described

DoD/Federal IC Notes:

Use any code.

For iRAPT:

Indicates if there are subordinate Segments to the structure. See list below.

0	No Subordinate HL Segment in This Hierarchical Structure.
1	Additional Subordinate HL Data Segment in This Hierarchical Structure.

Segment: **LX** **Assigned Number**
Position: 020
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the LX loop is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9". This loop is not used in levels "4" and "8".

For iRAPT

The LX loop provides trading partners with the ability to segregate billing detail to meet customer information needs. For example, the LX loop can be used to categorize billing data by circuit, telephone number, service/product line, and service order/purchase order.

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
LX01	**554**	**Assigned Number** Number assigned for differentiation within a transaction set	**M N0 1/6**	**M**

Segment: **SI** **Service Characteristic Identification**
Position: 030
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 = 1, 2, 3, 5, 6, 7 or 9.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **PID** **Product/Item Description**
Position: 040
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is 1, 2, 3, 5, 6, 7, or 9.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PID01	**349**	**Item Description Type**	**M**	**ID 1/1**	**M**
		Code indicating the format of a description			
		F Free-form			
		S Structured (From Industry Code List)			
		X Semi-structured (Code and Text)			
PID02	**750**	**Product/Process Characteristic Code**	**O**	**ID 2/3**	**Not Used**
PID03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		AS Assigned by Seller			
PID04	**751**	**Product Description Code**	**X**	**AN 1/12**	**O**
		A code from an industry code list which provides specific data about a product characteristic			
PID05	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			

Segment: **REF** **Reference Identification**
Position: 050
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

DoD/Federal IC Notes

This segment is not used at HL1 (Service Provider Level). Use of the REF segment is optional when HL03 is 2, 3, 5, 6, 7, or 9.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M ID 2/3**	**M**

Code qualifying the Reference Identification

01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
10	Account Managers Code Identifies the telecommunications manager assigned to this account
11	Account Number Number identifies a telecommunications industry account
12	Billing Account Account number under which billing is rendered
13	Horizontal Coordinate Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
14	Master Account Number Account number used to represent individual billing accounts which have been consolidated and/or summarized
15	Vertical Coordinate Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme
1J	Facility ID Number
3J	Office Number
4L	Location-specific Services Reference Number
6R	Provider Control Number Number assigned by information provider company for tracking and billing purposes
7I	Subscriber Authorization Number
8M	Originating Company Identifier
8N	Receiving Company Identifier
AAO	Carrier Assigned Code
BC	Buyer's Contract Number
BF	Billing Center Identification

		BLT	Billing Type		
		CA	Cost Allocation Reference		
		CO	Customer Order Number		
		CR	Customer Reference Number		
		CT	Contract Number		
		DO	Delivery Order Number		
		DP	Department Number		
		E9	Attachment Code		
			Supplementary reference information		
		EF	Electronic Funds Transfer ID Number		
		EM	Electronic Payment Reference Number		
		EU	End User's Purchase Order Number		
		F8	Original Reference Number		
		GC	Government Contract Number		
		GT	Goods and Service Tax Registration Number		
		HB	Bill & Hold Invoice Number		
		IT	Internal Customer Number		
		IV	Seller's Invoice Number		
		LB	Lockbox		
		LI	Line Item Identifier (Seller's)		
		LJ	Local Jurisdiction		
		LU	Location Number		
		NP	Partial Payment Number		
		OI	Original Invoice Number		
		OP	Original Purchase Order		
		OR	Order/Paragraph Number		
		OW	Service Order Number		
			Number assigned when a customer orders service and equipment and which appears on bill		
		P4	Project Code		
		PO	Purchase Order Number		
		PX	Previous Invoice Number		
		RO	Repetitive Booking Number		
		RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers		
		SE	Serial Number		
		SU	Special Processing Code		
			Unique code identifying the special handling requirements for the claim		
		SX	Service Interrupt Tracking Number		
		TF	Transfer Number		
		TJ	Federal Taxpayer's Identification Number		
		V0	Version		
		VC	Vendor Contract Number		
		VN	Vendor Order Number		
		VR	Vendor ID Number		
		YN	Receiver ID Qualifier		
		ZH	Carrier Assigned Reference Number		
REF02	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
REF03	**352**	**Description**	**X**	**AN 1/80**	**O**

		A free-form description to clarify the related data elements and their content			
REF04	**C040**	**Reference Identifier**	**O**		**O**
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **AMT** **Monetary Amount**
Position: 060
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the AMT segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
AMT01	**522**	**Amount Qualifier Code** Code to qualify amount **DoD/Federal IC Notes:** "6", "KO", "PB", and "SC" are the only valid codes at HL1 (Service Provider Level).	**M ID 1/3**	**M**

1	Line Item Total
5	Total Invoice Amount
6	Amount Subject to Total Monetary Discount
8	Total Monetary Discount Amount
1E	Fixed Price
AD	Adjusted Total
AP	Amount Prior to Fractionalization Full charge amount for the service per service period, prior to pro-rated fractionalization due to partial period billing
AQ	Average Price Per Call The total amount of money associated with a category of calls divided by the total number of calls within the category calculated to provide call summary details
AS	Average Price Per Minute The total amount of money associated with a category of calls divided by the total number of minutes within the category calculated to provide call summary details
AX	Previous Price
BT	Bank Reject Total
CH	Change Amount
CS	Commission Sales Those sales used to calculate commission payments
CT	Contract Indicates the value stated in the contract
KO	Committed Amount
LI	Line Item Unit Price
LM	Limit
N	Net Indicates the value remaining after all deductions and adjustments have been made
NA	Net Adjustment

		NO	Non Commission Sales
			Those sales not included for commission payment calculation
		NR	Nonrecurring
		NS	Net Savings Amount
			Amount of dollar saving resulting from the use of service, such as Optional Calling Plans
		PB	Billed Amount
			Total amount due on the period bill
		RJ	Rate Amount
		SC	Total Service Charge
		TP	Total payment amount
		TS	Total Sales
			The total of commission and non commission sales needed to calculate intersell amount
		TT	Total Transaction Amount
		ZT	Prorated Amount

AMT02	**782**	**Monetary Amount**	**M**	**R 1/18**	**M**
		Monetary amount			

Segment: **DTM** **Date/Time Reference**
Position: 070
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is 1, 2, 3, 5, 6, 7 or 9.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End
193	Period Start
194	Period End
197	End
198	Completion
	Date when the activity was completed
306	Adjustment Effective Date
	Date on which the adjustment went into effect
321	Purchased
	Date product/extended coverage was purchased
346	Plan Begin
	Date on which the plan begins
347	Plan End
	Date on which plan ends
358	Cycle Begin

			Date on which the cycle begins			
		359	Cycle End			
			Date on which the cycle ends			
		507	Extract			
			Date on which the file was extracted from the database			
		949	Payment Effective			
DTM02	**373**	**Date**		**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD				

Segment: **TXI** **Tax Information**
Position: 080
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

For iRAPT

When contained in HL Loops 1-7 and TXI07 = "A", data from the TXI segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax	**M ID 2/2**	**M**

	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks

MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city

ZB	911-County Tax		
	Tax levied to recover the cost of providing 911 emergency service within a county		
ZC	911-Excise Tax		
	Usage tax imposed to recover the cost of 911 service		
ZD	911-State Tax		
	Tax levied to recover the cost of providing 911 emergency service within a State		
ZE	911-Tax		
	Tax to recover the cost of 911 service		
ZZ	Mutually Defined		

TXI02 782 Monetary Amount X R 1/18 O

Monetary amount

For iRAPT:

TXI02 is Mandatory when TXI07 = "A".

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.

TXI03 954 Percent X R 1/10 O

Percentage expressed as a decimal

DoD/Federal IC Notes:

Tax rate for this tax jurisdiction.

TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 O

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05 956 Tax Jurisdiction Code X AN 1/10 O

Code identifying the taxing jurisdiction

TXI06 441 Tax Exempt Code X ID 1/1 O

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)
5	Exempt (Not For Resale)
8	Exempt (Sale to U.S. Government)
9	Exempt (Per State Law)
C	Not Taxable

TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A Add			
		D Delete			
		O Information Only			
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **QTY** **Quantity**
Position: 090
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "1", "2", "3", "5", "6", "7" or "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
QTY01	**673**	**Quantity Qualifier**	**M ID 2/2**	**M**
		Code specifying the type of quantity		
		01 Discrete Quantity		
		02 Cumulative Quantity		
		27 Committed Quantity		
		38 Original Quantity		
		47 Primary Net Quantity		
		7K Time Frame		
		87 Quantity Received		
		8H Minimum		
		90 Acknowledged Quantity		
		Network Recognition for message receipt		
		91 Additional Usage Quantity		
		The amount of usage incurred above the allotted or allowable use for a service		
		92 Allotted Usage Quantity		
		The amount of allowable usage related to a service		
		93 Attendant-Handled Quantity		
		Manual Recognition for message receipt		
		94 Billable Quantity		
		Number of billable units used		
		95 Data Storage Quantity		
		Number of storage units used		
		96 Non-Billable Quantity		
		Number of non-billable units		
		97 Non-Urgent Delivery Quantity		
		Number of units delivered in non-urgent status		
		98 Overflow Quantity		
		Number of overflow messages, (Busy condition count for 800 service)		
		99 Quantity Used		
		Quantity of units used		
		AA Unacknowledged Quantity		

		Message received without network, or attendant recognition			
		AB	Urgent Delivery Quantity		
			Number of units delivered in urgent status		
		AC	Voice Storage Quantity		
			Number of voice storage units used		
		AD	Maintenance Units		
			Number of units of maintenance provided		
		AE	Minimum Average Time Requirement (MATR) Units		
			Number of units calculated at a minimum usage rating basis, such as X minutes per message		
		AF	Wide Area Telephone Service (WATS)/800 Service Units		
			Number of units of usage, for WATS or 800 service		
		AG	Number of End Users		
			Number of participating users		
		AH	Number of Message Recipients		
			Number of recipients		
		AI	Number of Operator Credits		
			Number of operator credits given		
		AJ	Daily Adjustments		
		D1	Billed		
		M2	Maximum		
		NS	Number of Stations		
			Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example		
		QD	Quantity Delivered		
		TO	Total		
QTY02	**380**	**Quantity**		**X**	**R 1/15**	**M**
		Numeric value of quantity				
QTY03	**C001**	**Composite Unit of Measure**		**O**		**O**
		To identify a composite unit of measure (See Figures Appendix for examples of use)				
C00101	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		03	Seconds			
		12	Packet			
		1X	Quarter Mile			
		4L	Megabyte			
			Unit of computer storage capacity			
		AD	Bytes			
			A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit			
		AH	Additional Minutes			
			The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service			
		AI	Average Minutes Per Call			
			The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details			
		AL	Access Lines			
			Number of lines subject to Carrier Access Line Charges			
		AN	Minutes or Messages			
			Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for			

	the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
F3	Equivalent
	Weight of a substance which combines with or replaces one gram atomic weight of hydrogen
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours

	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: **SI** **Service Characteristic Identification**
Position: 100
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '1', '2', '3', '5', '6', '7' or '9'.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **NM1** **Individual or Organizational Name**
Position: 110
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes:
1 If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes:
1 NM102 qualifies NM103.
Comments:
1 NM110 and NM111 further define the type of entity in NM101.
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the NM1 loop is optional when HL03 is "2", "3", "5", "6", or "7", and is required when HL03 is "1".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
NM101	**98**	**Entity Identifier Code**	**M ID 2/3**	**M**

Code identifying an organizational entity, a physical location, property or an individual

DoD/Federal IC Notes:

1. 'SJ' and '9D' are the only valid codes at HL1 (Service Provider Level).

2. 'OB' and 'P9' are invalid at HL2 (Billing Arrangement Level) and HL3 (Sub-Billing Arrangement Level).

3. 'C3', 'CT', 'GP', 'IA', 'OB' and 'P9' are the only valid codes at HL5 (Category Level), HL6 (Subcategory Level) and HL7 (Type Level).

9D	New Service Provider
AG	Agent/Agency
AK	Party to Whom Acknowledgment Should Be Sent
AO	Account Of
BS	Bill and Ship To
C3	Circuit Location Identifier
	Identifies the address information as that which is assigned to a circuit location address
CA	Carrier
CT	Country of Origin
EN	End User
GP	Gateway Provider
	Identifies a gateway access provider
IA	Installed At
N2	Notify Party no. 2
OB	Ordered By
P9	Primary Interexchange Carrier (PIC)
	Identifies the carrier who will handle the interexchange calls
PE	Payee
PM	Party to receive paper Memo of Invoice
PR	Payer
RI	Remit To
RL	Reporting Location
SE	Selling Party

		SJ	Service Provider		
			Identifies name and address information as pertaining to a service provider for which billing is being rendered		
NM102	**1065**	**Entity Type Qualifier**	**M**	**ID 1/1**	**M**
		Code qualifying the type of entity			
		1	Person		
		2	Non-Person Entity		
		3	Unknown		
NM103	**1035**	**Name Last or Organization Name**	**O**	**AN 1/35**	**O**
		Individual last name or organizational name			
NM104	**1036**	**Name First**	**O**	**AN 1/25**	**O**
		Individual first name			
NM105	**1037**	**Name Middle**	**O**	**AN 1/25**	**O**
		Individual middle name or initial			
NM106	**1038**	**Name Prefix**	**O**	**AN 1/10**	**O**
		Prefix to individual name			
NM107	**1039**	**Name Suffix**	**O**	**AN 1/10**	**O**
		Suffix to individual name			
NM108	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**	**O**
		Code designating the system/method of code structure used for Identification Code (67)			
		DoD/Federal IC Notes:			
		Code values '41', '42' and '91' are the only valid values at HL1 (Service Provider Level).			
		1	D-U-N-S Number, Dun & Bradstreet		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		10	Department of Defense Activity Address Code (DODAAC)		
		33	Commercial and Government Entity (CAGE)		
		40	Electronic Mail User Code		
			Identifies the Electronic Mail User locally defined and maintained between trading partners		
		41	Telecommunications Carrier Identification Code		
			Identifies the Interexchange carrier for the charges being billed		
		42	Telecommunications Pseudo Carrier Identification Code		
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers		
		91	Assigned by Seller or Seller's Agent		
		92	Assigned by Buyer or Buyer's Agent		
		ZY	Temporary Identification Number		
			A temporary ID to be used until a permanent ID is processed		
NM109	**67**	**Identification Code**	**X**	**AN 2/80**	**O**
		Code identifying a party or other code			
		DoD/Federal IC Notes:			
		If NM108 = '42' - use CIC code list maintained by Lockheed Martin. If NM108 = '41' - use Pseudo-CIC list provided in OBF Section 10.4.			

Segment: **N2** **Additional Name Information**
Position: 120
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N201	**93**	**Name** Free-form name	**M**	**AN 1/60**	**M**
N202	**93**	**Name** Free-form name	**O**	**AN 1/60**	**O**

Segment: **N3** **Address Information**
Position: 130
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N301	**166**	**Address Information** Address information	**M**	**AN 1/55**	**M**
N302	**166**	**Address Information** Address information	**O**	**AN 1/55**	**O**

Segment: **N4** **Geographic Location**
Position: 140
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N401	**19**	**City Name**	**O**	**AN 2/30**	**O**
		Free-form text for city name			
N402	**156**	**State or Province Code**	**O**	**ID 2/2**	**O**
		Code (Standard State/Province) as defined by appropriate government agency			
N403	**116**	**Postal Code**	**O**	**ID 3/15**	**O**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	**26**	**Country Code**	**O**	**ID 2/3**	**O**
		Code identifying the country			
N405	**309**	**Location Qualifier**	**X**	**ID 1/2**	**O**
		Code identifying type of location			
		AC City and State			
		AR Armed Services Location Designation			
		CC Country			
		CI City			
		SP State/Province			
N406	**310**	**Location Identifier**	**O**	**AN 1/30**	**O**
		Code which identifies a specific location			

Segment: **REF** **Reference Identification**
Position: 150
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is '1', '2', '3', '5', '6' or '7'.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M ID 2/3**	**M**

Code qualifying the Reference Identification

DoD/Federal IC Notes:

"10", "CR", "EF", "GT", "IV", "LB", "RT", "TF" and "VC" are the only valid codes at HL1 (Service Provider Level).

01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)
03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)
05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)
10	Account Managers Code Identifies the telecommunications manager assigned to this account
11	Account Number Number identifies a telecommunications industry account
12	Billing Account Account number under which billing is rendered
13	Horizontal Coordinate Positional address, horizontal component. The assigned address is based upon a grid mapping scheme
14	Master Account Number Account number used to represent individual billing accounts which have been consolidated and/or summarized
15	Vertical Coordinate Positional Address, Vertical component. The assigned address is based upon a grid mapping scheme
1J	Facility ID Number
3J	Office Number
4L	Location-specific Services Reference Number
6R	Provider Control Number Number assigned by information provider company for tracking and billing purposes
7I	Subscriber Authorization Number
8M	Originating Company Identifier
8N	Receiving Company Identifier

AAO	Carrier Assigned Code
BC	Buyer's Contract Number
BF	Billing Center Identification
BLT	Billing Type
CA	Cost Allocation Reference
CO	Customer Order Number
CR	Customer Reference Number
CT	Contract Number
DP	Department Number
E9	Attachment Code
	Supplementary reference information
EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
F8	Original Reference Number
GC	Government Contract Number
GT	Goods and Service Tax Registration Number
HB	Bill & Hold Invoice Number
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
LJ	Local Jurisdiction
LU	Location Number
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill
P4	Project Code
PO	Purchase Order Number
PX	Previous Invoice Number
RO	Repetitive Booking Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
V0	Version
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number

REF02 127 Reference Identification X AN 1/30 O

Reference information as defined for a particular Transaction Set or as specified by the

		Reference Identification Qualifier			
REF03	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
REF04	**C040**	**Reference Identifier**	**O**		**O**
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **PER** **Administrative Communications Contact**
Position: 160
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is '1', '2', '3', '5', '6' or '7'.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PER01	**366**	**Contact Function Code**	**M**	**ID 2/2**	**M**
		Code identifying the major duty or responsibility of the person or group named			
		AD Accounting Department			
		AR Accounts Receivable Department			
		BD Buyer Name or Department			
		BI Bill Inquiry Contact			
		Service Provider contact for making inquires about information on the invoice			
		CC Computer Systems Contact			
		DA Directory Advertising Contact			
		Service Provider contact for questions about, and changes to, directory advertising			
		IC Information Contact			
		MA Maintenance Contact			
		Service Provider contact for requesting service maintenance, or reporting problems			
		OC Order Contact			
		OD Order Department			
		PM Product Manager			
		QA Quality Assurance Contact			
		SR Sales Representative or Department			
		TR Technical Marketing Representative			
PER02	**93**	**Name**	**O**	**AN 1/60**	**O**
		Free-form name			
PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU Defense Switched Network			
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			
		DoD/Federal IC Notes:			
		This code is to be used only within the federal government.			
		EM Electronic Mail			
		FX Facsimile			

		TE	Telephone		
		UR	Uniform Resource Locator (URL)		
PER04	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:**		
			This code is to be used only within the federal government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER06	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
PER07	**365**	**Communication Number Qualifier**	**O**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AA	International Telephone Access Code		
			Dialing Code required to call another country in addition to the number		
		AB	Joint Facsimile and Phone Number		
		AC	Message Only Voice Number		
			Telephone number which provides automated messages only		
		AD	Delivery Location Phone		
		AP	Alternate Telephone		
		AS	Answering Service		
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
		BN	Beeper Number		
		BT	BTX Number		
			German communications number for on-line service provided through the Deutsche Bundespost		
		CA	Cable		
		CP	Cellular Phone		
		DN	Defense Data Network (DDN)		
			Department of Defense (DoD) data communications system		
		ED	Electronic Data Interchange Access Number		
		EM	Electronic Mail		
		EX	Telephone Extension		
		FT	Federal Telecommunications System (FTS)		
		FU	Facsimile User Identifier		
		FX	Facsimile		
		HF	Home Facsimile Number		
		HP	Home Phone Number		
		IT	International Telephone		
		MN	Modem Number		
		NP	Night Telephone		
		OF	Other Residential Facsimile Number		
		OT	Other Residential Telephone Number		
		PA	Appointment Phone		
		PC	Personal Cellular		

PP	Personal Phone
PS	Packet Switching
SP	Showing Phone
	Phone number to call for information about a property showing
TE	Telephone
TL	Telex
TM	Telemail
TN	Teletex Number
	Teletex is specific type of Telex service provided by Deutsche Bundespost
TX	TWX
UR	Uniform Resource Locator (URL)
VM	Voice Mail
WC	Work Cellular
WF	Work Facsimile Number
WP	Work Phone Number

PER08	**364**	**Communication Number**	**O**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			

Segment: **TXI** **Tax Information**
Position: 170
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "1", "2", "3", "5", "6" or "7".

For iRAPT

When contained in HL Loops 1-7 and TXI07 = "A", data from the TXI segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax	**M ID 2/2**	**M**

	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks

MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city

ZB	911-County Tax		
	Tax levied to recover the cost of providing 911 emergency service within a county		
ZC	911-Excise Tax		
	Usage tax imposed to recover the cost of 911 service		
ZD	911-State Tax		
	Tax levied to recover the cost of providing 911 emergency service within a State		
ZE	911-Tax		
	Tax to recover the cost of 911 service		
ZZ	Mutually Defined		

TXI02 782 Monetary Amount X R 1/18 O

Monetary amount

For iRAPT:

TXI02 is Mandatory when TXI07 = "A".

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.

TXI03 954 Percent X R 1/10 O

Percentage expressed as a decimal

DoD/Federal IC Notes:

Tax rate for this jurisdiction.

TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 O

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05 956 Tax Jurisdiction Code X AN 1/10 O

Code identifying the taxing jurisdiction

TXI06 441 Tax Exempt Code X ID 1/1 O

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)
5	Exempt (Not For Resale)
8	Exempt (Sale to U.S. Government)
9	Exempt (Per State Law)
C	Not Taxable

TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A Add			
		D Delete			
		O Information Only			
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **ITA** **Allowance, Charge or Service**
Position: 180
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "1", "2", "3", "5", "6", or "7".

For iRAPT

When contained in HL Loops 1-7 and ITA16 = "A", data from the ITA segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS: Optional and only allows for TTB or PST in ITA14.

One Pay: Optional and allows any valid miscellaneous fee, yet only allows for three fees and allowances per Invoice.

CAPS-C/W: Optional and allows TTB in ITA14 when ITA01 = "C" for miscellaneous charge. Any ITA14 allowance code may be entered for miscellaneous allowances (ITA01 = "A") , up to 11 maximum.

IAPS-E: Charge code PRB is not allowed in ITA14.

Navy ERP: Allows all codes in ITA14 except TTB.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			

ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**
		Code identifying the special service **DoD/Federal IC Notes:** See OBF Section 10.4 for valid values.			
ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**
		Code indicating method of handling for an allowance or charge 04 Credit Customer Account 06 Charge to be Paid by Customer ZZ Mutually Defined			
ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**
		The number assigned by a vendor referencing an allowance, promotion, deal or charge			
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**Not Used**
ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**
		Total dollar amount for the allowance or charge **For iRAPT:** ITA07 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C". When entering an Allowance (ITA01= A), enter a negative value in ITA07 in order for the amount to be deducted from the document total. 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.			
ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**O**
		Code indicating on what basis allowance or charge percent is calculated 9 Late Payment Charge Base Amount Amount outstanding after the past due date, and subject to a late payment charge			
ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**
		Percent expressed as a percent			
ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**
		Numeric value of quantity			
ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 03 Seconds 12 Packet 1X Quarter Mile			

AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried

NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**
		Code identifying type of special charge or allowance			

DoD/Federal IC Notes:

See OBF Section 10.4 for valid values.

For iRAPT:

ITA14 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

WAWF will only accept additive allowance and charges on the EDI 811 where the type code in the ITA14 can be mapped to a type code in the SAC02 in the 810 extract (see below). All other codes, if additive, will be rejected with an error message.

Charges (ITA01 = "C"):
CAS Container Deposits
CMI Continuous Mileage
INS Insurance
QAB Overrun Charge
PST Postage

QAA Quantity Surcharge
TTB Transportation-Direct Billing

Allowances (ITA01 = "A"):
CBW Container Allowance
DAM Damaged Merchandise
DSC Discount
PAI Promotional Discount
QQA Quantity Discount
TD Trade Discount
TAJ Trade In

Charge or Allowance (ITA01 = "A" or "C"):
999 Other
PAF Price Deviation
PRB Prior Balance

Refer to 004010 Data Element Dictionary for acceptable code values.

ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

DoD/Federal IC Notes:

Code "I" is only valid in HLs 4 - 9.

A	Add
D	Delete
I	Included
O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **DTM** **Date/Time Reference**
Position: 190
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**	**M**
		Code specifying type of date or time, or both date and time			
		001 Cancel After			
		003 Invoice			
		007 Effective			
		009 Process			
		035 Delivered			
		092 Contract Effective			
		093 Contract Expiration			
		102 Issue			
		150 Service Period Start			
		151 Service Period End			
		152 Effective Date of Change			
		Date on which the change went into effect			
		153 Service Interruption			
		154 Adjustment Period Start			
		155 Adjustment Period End			
DTM02	**373**	**Date**	**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD			

Segment: **TXI** **Tax Information**
Position: 200
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of this segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".

For iRAPT

When contained in HL Loops 1-7 and TXI07 = "A", data from the TXI segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax	**M ID 2/2**	**M**

	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
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	Service Tax imposed by City
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CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
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	Canadian tax levied to fund public care and education
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	Tax assessed to assist the handicapped
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	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks

MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city

		ZB	911-County Tax		
			Tax levied to recover the cost of providing 911 emergency service within a county		
		ZC	911-Excise Tax		
			Usage tax imposed to recover the cost of 911 service		
		ZD	911-State Tax		
			Tax levied to recover the cost of providing 911 emergency service within a State		
		ZE	911-Tax		
			Tax to recover the cost of 911 service		
		ZZ	Mutually Defined		
TXI02	**782**	**Monetary Amount**	**X**	**R 1/18**	**O**
		Monetary amount			
		For iRAPT:			
		TXI02 is Mandatory when TXI07 = "A". 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.			
TXI03	**954**	**Percent**	**X**	**R 1/10**	**O**
		Percentage expressed as a decimal			
		DoD/Federal IC Notes:			
		Tax rate for this jurisdiction.			
TXI04	**955**	**Tax Jurisdiction Code Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the source of the data used in tax jurisdiction code			
		CD	Customer defined		
		VD	Vendor defined		
		VE	Vertex		
TXI05	**956**	**Tax Jurisdiction Code**	**X**	**AN 1/10**	**O**
		Code identifying the taxing jurisdiction			
TXI06	**441**	**Tax Exempt Code**	**X**	**ID 1/1**	**O**
		Code identifying exemption status from sales and use tax			
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		
		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		C	Not Taxable		

TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A Add			
		D Delete			
		O Information Only			
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 210
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes:
1 If any of IT102 IT103 or IT104 is present, then all are required.
2 If either IT106 or IT107 is present, then the other is required.
3 If either IT108 or IT109 is present, then the other is required.
4 If either IT110 or IT111 is present, then the other is required.
5 If either IT112 or IT113 is present, then the other is required.
6 If either IT114 or IT115 is present, then the other is required.
7 If either IT116 or IT117 is present, then the other is required.
8 If either IT118 or IT119 is present, then the other is required.
9 If either IT120 or IT121 is present, then the other is required.
10 If either IT122 or IT123 is present, then the other is required.
11 If either IT124 or IT125 is present, then the other is required.
Semantic Notes:
1 IT101 is the purchase order line item identification.
Comments:
1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes:
DoD/Federal IC Notes

1. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.

2. When submitting the 811 to any federal agency, use of the IT1 segment is required when HL03 is "4".

For iRAPT

iRAPT only permits 999 line items per invoice.

The 999-loop maximum must be reduced by the number of the following:
IT1 segments in HL4
ITA segments in HL 1-7 with ITA16 = A
TXI segments in HL 1-7 with TXI07 = A
SLN segments in HL8 with SLN08 = A

The IT1 Loop will only appear in the HL 4 loop.

iRAPT Edits

MOCAS:
CLIN/SLIN/ELIN is Mandatory per Line Item and must be 4 numeric, 4 numeric and 2 alpha, 1 alpha and 3 alpanumeric, 'NONE', or 'NONE' and 2 numeric .

One Pay:
CLIN/SLIN is Mandatory per Line Item and must be 4 numeric or 4 numeric and 2 alphanumeric characters.

CAPS-C/W:
CLIN/SLIN/ELIN is Mandatory per Line Item and must be 4 alpha numeric or 6 alphanumeric.

IAPS-E:
CLIN/SLIN must be 4 alphanumeric or 6 alphanumeric.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes

IT101	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**

Alphanumeric characters assigned for differentiation within a transaction set

For iRAPT:

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.

iRAPT Edits:

IAPS-E, CAPS-C/W:
4 AN or 6 AN

MOCAS:
4N, 4N2A, 1A3AN, "NONE" or "NONE"NN

One Pay:
4 N or 4 N PLUS 2 AN (only CLIN/SLIN allowed)

Navy ERP:
CLIN (4N), SLIN (4N + 2AN) or ELIN (1A + 3AN)

IT102	**358**	**Quantity Invoiced**	**X**	**R 1/10**	**M**

Number of units invoiced (supplier units)

For iRAPT:

Quantity Invoiced is Optional when QTY04 = "M4" (Unit of Measure). If not included, it will be defaulted to "1".

iRAPT Edits:

MOCAS:
No decimals allowed.

If DSS or DMLSS Ship To, Quantity must be a whole number with maximum field size of 10.

IT103	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**M**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

DoD/Federal IC Notes:

When IT103 = 'M4': Rules of extended pricing do not apply. Proposed OBF change: At least one M4 code must be used if there are charges at the subordinate levels (5-9). When M4 is used, IT104 equals the roll up from lower levels (see OBF summing rules in OBF Section 7.3).

EA	Each
M4	Monetary Value
MO	Months

IT104	**212**	**Unit Price**	**X**	**R 1/17**	**M**

Price per unit of product, service, commodity, etc.

iRAPT Edits:

MOCAS, One Pay:
Min/Max 1/15

IT105	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**	**O**

Code identifying the type of unit price for an item

For iRAPT:

Not Used in iRAPT. Information submitted will not be displayed in iRAPT.

BD	Before Discount
	Full amount for the service prior to application of any appropriate discounts
CP	Current Price (Subject to Change)
CT	Contract
PE	Price per Each
PM	Monthly Price Per Unit

		TE Contract Price per Each			
IT106	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) **For iRAPT:** Codes must be capitalized. Data contained in IT106 and IT107 will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.			
		SV Service Rendered			
IT107	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service **DoD/Federal IC Notes:** See OBF Section 10.4 for valid values.			
IT108	**235**	**Product/Service ID Qualifier**	**O**	**ID 2/2**	**O**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234) **DoD/Federal IC Notes:** 'ZZ' is temporarily being used for Telecom Service Type (WJ) which is effective with ASC X12 version 004020. **For iRAPT:** Not Used in iRAPT. Information submitted will not be displayed in iRAPT.			
		ZZ Mutually Defined			
IT109	**234**	**Product/Service ID**	**O**	**AN 1/48**	**O**
		Identifying number for a product or service **DoD/Federal IC Notes:** See OBF Section 10.4 for a list of valid codes.			

Segment: **SI** **Service Characteristic Identification**
Position: 220
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '4'.

2. See OBF Section 10.4 for a list of valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **PID** **Product/Item Description**
Position: 230
Loop: IT1 Optional
Level: Detail
Usage: Must Use
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "4".

For iRAPT

Line Item Description

There must be at least one instance of PID per IT1 loop.
WAWF permits up to 2000 characters in the Line Item Description.
Repeat as necessary without exceeding the 2000 character limit.

WAWF does not perform validation based on the code entered in PID01; PID04 is always Optional and PID05 is always Mandatory.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PID01	**349**	**Item Description Type**	**M**	**ID 1/1**	**M**
		Code indicating the format of a description			
		F Free-form			
		S Structured (From Industry Code List)			
		X Semi-structured (Code and Text)			
PID02	**750**	**Product/Process Characteristic Code**	**O**	**ID 2/3**	**Not Used**
PID03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		For iRAPT:			
		Not Used in iRAPT. Information submitted will not be displayed in iRAPT.			
		AS Assigned by Seller			
PID04	**751**	**Product Description Code**	**X**	**AN 1/12**	**O**
		A code from an industry code list which provides specific data about a product characteristic			
		For iRAPT:			
		Not Used in iRAPT. Information submitted will not be displayed in iRAPT.			
PID05	**352**	**Description**	**X**	**AN 1/80**	**M**

A free-form description to clarify the related data elements and their content

Segment: **INC** **Installment Information**
Position: 240
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify installment billing arrangement
Syntax Notes:
Semantic Notes:
1 INC02 is the installment period (e.g., months).
2 INC03 is the total number of installments.
3 INC04 is the number of the current installment.
4 INC05 is the installment balance after the current installment is applied.
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the INC segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
INC01	**336**	**Terms Type Code** Code identifying type of payment terms 04 Deferred or Installment	**M**	**ID 2/2**	**M**
INC02	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**M**		**M**
C00101	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken MO Months	**M**	**ID 2/2**	**M**
INC03	**380**	**Quantity** Numeric value of quantity **DoD/Federal IC Notes:** Indicates the total number of installments.	**M**	**R 1/15**	**M**
INC04	**380**	**Quantity** Numeric value of quantity **DoD/Federal IC Notes:** Indicates the number of current installments.	**M**	**R 1/15**	**M**
INC05	**782**	**Monetary Amount** Monetary amount **DoD/Federal IC Notes:** Balance remaining after this installment is billed.	**O**	**R 1/18**	**O**

Segment: **TXI** **Tax Information**
Position: 250
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4".

For iRAPT

When contained in HL Loops 1-7 and TXI07 = "A", data from the TXI segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax	**M ID 2/2**	**M**

	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks

MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city

		ZB	911-County Tax		
			Tax levied to recover the cost of providing 911 emergency service within a county		
		ZC	911-Excise Tax		
			Usage tax imposed to recover the cost of 911 service		
		ZD	911-State Tax		
			Tax levied to recover the cost of providing 911 emergency service within a State		
		ZE	911-Tax		
			Tax to recover the cost of 911 service		
		ZZ	Mutually Defined		
TXI02	**782**	**Monetary Amount**	**X**	**R 1/18**	**O**
		Monetary amount			
		DoD/Federal IC Notes:			
		Proposed OBF change to summing rules: This amount will be the roll up of subordinate TXI segment billed amounts.			
		For iRAPT:			
		TXI02 is Mandatory when TXI07 = "A". 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.			
TXI03	**954**	**Percent**	**X**	**R 1/10**	**O**
		Percentage expressed as a decimal			
		DoD/Federal IC Notes:			
		Tax rate for this jurisdiction.			
TXI04	**955**	**Tax Jurisdiction Code Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the source of the data used in tax jurisdiction code			
		CD	Customer defined		
		VD	Vendor defined		
		VE	Vertex		
TXI05	**956**	**Tax Jurisdiction Code**	**X**	**AN 1/10**	**O**
		Code identifying the taxing jurisdiction			
TXI06	**441**	**Tax Exempt Code**	**X**	**ID 1/1**	**O**
		Code identifying exemption status from sales and use tax			
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		

		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		C	Not Taxable		
TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A	Add		
		D	Delete		
		O	Information Only		
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **REF** **Reference Identification**
Position: 260
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "4".

For iRAPT

Use this segment to submit SDN, AAA, and ACRN at the line level.
SDN, AAA, and ACRN are optional in iRAPT.

AAA is only used at the line level for Contractual Invoices. Report AAA for non-Contractual Invoices in the REF Segment at Pos. 050 in the Header.

iRAPT Edits

MOCAS, 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.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M ID 2/3**	**M**

Code qualifying the Reference Identification

For iRAPT:

"12" Billing Account (used to report AAA in iRAPT)
"AT" Appropriation Number (used to report ACRN in iRAPT)
"CA" Cost Allocation Reference (populates SDN Field in iRAPT)
"ZZ" Mutually Defined (non-Contractual only, used to report Fiscal Year)
"11" Account Number (used to report Purchase Request Number in iRAPT)

iRAPT Edits:

One Pay:
Contractual - Line Item Amount must be greater than zero to submit a Line level ACRN for One Pay.

11	Account Number
	Number identifies a telecommunications industry account
12	Billing Account
	Account number under which billing is rendered
1J	Facility ID Number
4L	Location-specific Services Reference Number
6R	Provider Control Number
	Number assigned by information provider company for tracking and billing purposes
7I	Subscriber Authorization Number

8M	Originating Company Identifier
8N	Receiving Company Identifier
AAO	Carrier Assigned Code
AT	Appropriation Number
BF	Billing Center Identification
BLT	Billing Type
CA	Cost Allocation Reference
LJ	Local Jurisdiction
LU	Location Number
P4	Project Code
RO	Repetitive Booking Number
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim
V0	Version
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number
ZZ	Mutually Defined

REF02	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

For iRAPT:

ACRN
Min/Max 2/2
If ACRNs are sent in lower-case, they will be converted to upper-case

SDN
Min/Max 1/30
The SDN is not converted to uppercase.

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.

AAA
Min/Max 6/6

Fiscal Year
Min/Max 4/4
CCYY

Purchase Request Number
Min/Max 1/30

REF03	**352**	**Description**	**X**	**AN 1/80**	**O**

A free-form description to clarify the related data elements and their content

For iRAPT:

Not Used in iRAPT. Information submitted will not be displayed in iRAPT.

REF04	**C040**	**Reference Identifier**	**O**		**O**

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**

Code qualifying the Reference Identification

C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**

		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **DTM** **Date/Time Reference**
Position: 270
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
050	Received
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End
193	Period Start
194	Period End
197	End
201	Acceptance
306	Adjustment Effective Date
	Date on which the adjustment went into effect
321	Purchased
	Date product/extended coverage was purchased
346	Plan Begin
	Date on which the plan begins
347	Plan End
	Date on which plan ends
358	Cycle Begin

			Date on which the cycle begins			
		359	Cycle End			
			Date on which the cycle ends			
		507	Extract			
			Date on which the file was extracted from the database			
		949	Payment Effective			
DTM02	**373**	**Date**		**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD				

Segment: **MSG** **Message Text**
Position: 280
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes:
1 If MSG03 is present, then MSG02 is required.
Semantic Notes:
1 MSG03 is the number of lines to advance before printing.
Comments:
1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the MSG segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
MSG01	**933**	**Free-Form Message Text** Free-form message text	**M AN 1/264**	**M**

Segment: **AMT** **Monetary Amount**
Position: 285
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name		Base Attributes		User Attributes
AMT01	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**	**M**
		Code to qualify amount				
		1E	Fixed Price			
		8V	Services			
		LM	Limit			
		NR	Nonrecurring			
		RJ	Rate Amount			
		ZT	Prorated Amount			
AMT02	**782**	**Monetary Amount**		**M**	**R 1/18**	**M**
		Monetary amount				

Segment: **QTY** **Quantity**
Position: 290
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the QTY segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
QTY01	**673**	**Quantity Qualifier**	**M ID 2/2**	**M**
		Code specifying the type of quantity		
		01 Discrete Quantity		
		02 Cumulative Quantity		
		27 Committed Quantity		
		38 Original Quantity		
		47 Primary Net Quantity		
		7K Time Frame		
		87 Quantity Received		
		8H Minimum		
		90 Acknowledged Quantity		
		Network Recognition for message receipt		
		91 Additional Usage Quantity		
		The amount of usage incurred above the allotted or allowable use for a service		
		92 Allotted Usage Quantity		
		The amount of allowable usage related to a service		
		93 Attendant-Handled Quantity		
		Manual Recognition for message receipt		
		94 Billable Quantity		
		Number of billable units used		
		95 Data Storage Quantity		
		Number of storage units used		
		96 Non-Billable Quantity		
		Number of non-billable units		
		97 Non-Urgent Delivery Quantity		
		Number of units delivered in non-urgent status		
		98 Overflow Quantity		
		Number of overflow messages, (Busy condition count for 800 service)		
		99 Quantity Used		
		Quantity of units used		
		AA Unacknowledged Quantity		

		Message received without network, or attendant recognition			
		AB	Urgent Delivery Quantity		
			Number of units delivered in urgent status		
		AC	Voice Storage Quantity		
			Number of voice storage units used		
		AD	Maintenance Units		
			Number of units of maintenance provided		
		AE	Minimum Average Time Requirement (MATR) Units		
			Number of units calculated at a minimum usage rating basis, such as X minutes per message		
		AF	Wide Area Telephone Service (WATS)/800 Service Units		
			Number of units of usage, for WATS or 800 service		
		AG	Number of End Users		
			Number of participating users		
		AH	Number of Message Recipients		
			Number of recipients		
		AI	Number of Operator Credits		
			Number of operator credits given		
		AJ	Daily Adjustments		
		D1	Billed		
		M2	Maximum		
		NS	Number of Stations		
			Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example		
		QD	Quantity Delivered		
		TO	Total		
QTY02	**380**	**Quantity**		**X**	**R 1/15**	**M**
		Numeric value of quantity				
QTY03	**C001**	**Composite Unit of Measure**		**O**		**O**
		To identify a composite unit of measure (See Figures Appendix for examples of use)				
C00101	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		03	Seconds			
		12	Packet			
		1X	Quarter Mile			
		4L	Megabyte			
			Unit of computer storage capacity			
		AD	Bytes			
			A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit			
		AH	Additional Minutes			
			The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service			
		AI	Average Minutes Per Call			
			The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details			
		AL	Access Lines			
			Number of lines subject to Carrier Access Line Charges			
		AN	Minutes or Messages			
			Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for			

	the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
F3	Equivalent
	Weight of a substance which combines with or replaces one gram atomic weight of hydrogen
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours

	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: **SI** **Service Characteristic Identification**
Position: 300
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

2. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '4'.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **ITA** **Allowance, Charge or Service**
Position: 310
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "4".

For iRAPT

When contained in HL Loops 1-7 and ITA16 = "A", data from the ITA segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS: Optional and only allows for TTB or PST in ITA14.

One Pay: Optional and allows any valid miscellaneous fee, yet only allows for three fees and allowances per Invoice.

CAPS-C/W: Optional and allows TTB in ITA14 when ITA01 = "C" for miscellaneous charge. Any ITA14 allowance code may be entered for miscellaneous allowances (ITA01 = "A") , up to 11 maximum.

IAPS-E: Charge code PRB is not allowed in ITA14.

Navy ERP: Allows all codes in ITA14 except TTB.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			
ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**

Code identifying the special service

DoD/Federal IC Notes:

See OBF Section 10.4 for a list of valid values.

ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**

Code indicating method of handling for an allowance or charge

04	Credit Customer Account
06	Charge to be Paid by Customer
ZZ	Mutually Defined

ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**

The number assigned by a vendor referencing an allowance, promotion, deal or charge

ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**O**

Allowance or Charge Rate per Unit

ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**

Total dollar amount for the allowance or charge

For iRAPT:

ITA07 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

When entering an Allowance (ITA01= A), enter a negative value in ITA07 in order for the amount to be deducted from the document total.

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.

ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**O**

Code indicating on what basis allowance or charge percent is calculated

9	Late Payment Charge Base Amount
	Amount outstanding after the past due date, and subject to a late payment charge

ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**

Percent expressed as a percent

ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**

Numeric value of quantity

ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

03	Seconds
12	Packet
1X	Quarter Mile

AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried

NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**
		Code identifying type of special charge or allowance			

DoD/Federal IC Notes:

See OBF Section 10.4 for a list of valid values.

For iRAPT:

ITA14 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

WAWF will only accept additive allowance and charges on the EDI 811 where the type code in the ITA14 can be mapped to a type code in the SAC02 in the 810 extract (see below). All other codes, if additive, will be rejected with an error message.

Charges (ITA01 = "C"):
CAS Container Deposits
CMI Continuous Mileage
INS Insurance
QAB Overrun Charge
PST Postage

		QAA Quantity Surcharge TTB Transportation-Direct Billing Allowances (ITA01 = "A"): CBW Container Allowance DAM Damaged Merchandise DSC Discount PAI Promotional Discount QQA Quantity Discount TD Trade Discount TAJ Trade In Charge or Allowance (ITA01 = "A" or "C"): 999 Other PAF Price Deviation PRB Prior Balance			
ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)
S	Substituted

Segment: **DTM** **Date/Time Reference**
Position: 320
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End
197	End
306	Adjustment Effective Date
	Date on which the adjustment went into effect
321	Purchased
	Date product/extended coverage was purchased
346	Plan Begin
	Date on which the plan begins
347	Plan End
	Date on which plan ends
358	Cycle Begin
	Date on which the cycle begins
359	Cycle End
	Date on which the cycle ends
507	Extract

			Date on which the file was extracted from the database			
		949	Payment Effective			
DTM02	**373**	**Date**		**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD				

Segment: **TXI** **Tax Information**
Position: 330
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4".

For iRAPT

When contained in HL Loops 1-7 and TXI07 = "A", data from the TXI segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax	**M ID 2/2**	**M**

	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks

MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city

		ZB	911-County Tax		
			Tax levied to recover the cost of providing 911 emergency service within a county		
		ZC	911-Excise Tax		
			Usage tax imposed to recover the cost of 911 service		
		ZD	911-State Tax		
			Tax levied to recover the cost of providing 911 emergency service within a State		
		ZE	911-Tax		
			Tax to recover the cost of 911 service		
		ZZ	Mutually Defined		
TXI02	**782**	**Monetary Amount**	**X**	**R 1/18**	**O**
		Monetary amount			
		For iRAPT:			
		TXI02 is Mandatory when TXI07 = "A". 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.			
TXI03	**954**	**Percent**	**X**	**R 1/10**	**O**
		Percentage expressed as a decimal			
		DoD/Federal IC Notes:			
		Tax rate for this jurisdiction.			
TXI04	**955**	**Tax Jurisdiction Code Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the source of the data used in tax jurisdiction code			
		CD	Customer defined		
		VD	Vendor defined		
		VE	Vertex		
TXI05	**956**	**Tax Jurisdiction Code**	**X**	**AN 1/10**	**O**
		Code identifying the taxing jurisdiction			
TXI06	**441**	**Tax Exempt Code**	**X**	**ID 1/1**	**O**
		Code identifying exemption status from sales and use tax			
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A	Add		
		D	Delete		

		O	Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **NM1** **Individual or Organizational Name**
Position: 340
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: **1** If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: **1** NM102 qualifies NM103.
Comments: **1** NM110 and NM111 further define the type of entity in NM101.
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
NM101	**98**	**Entity Identifier Code**	**M ID 2/3**	**M**

Code identifying an organizational entity, a physical location, property or an individual

DoD/Federal IC Notes:

'SJ' and '9D' are the only valid codes at HL1 (Service Provider Level).

9D	New Service Provider
AG	Agent/Agency
AK	Party to Whom Acknowledgment Should Be Sent
AO	Account Of
BS	Bill and Ship To
C3	Circuit Location Identifier
	Identifies the address information as that which is assigned to a circuit location address
CA	Carrier
CT	Country of Origin
EN	End User
GP	Gateway Provider
	Identifies a gateway access provider
IA	Installed At
P9	Primary Interexchange Carrier (PIC)
	Identifies the carrier who will handle the interexchange calls
PE	Payee
PM	Party to receive paper Memo of Invoice
PR	Payer
RI	Remit To
RL	Reporting Location
SE	Selling Party
SJ	Service Provider
	Identifies name and address information as pertaining to a service provider for which billing is being rendered

NM102	**1065**	**Entity Type Qualifier**	**M ID 1/1**	**M**

Code qualifying the type of entity

1	Person
2	Non-Person Entity

		3	Unknown		
		4	Corporation		
		5	Trust		
		6	Organization		
		7	Limited Liability Corporation		
		8	Partnership		
		9	S Corporation		
		C	Custodial		
		D	Non-Profit Organization		
		E	Sole Proprietorship		
		G	Government		
		L	Limited Partnership		
NM103	**1035**	**Name Last or Organization Name**	**O**	**AN 1/35**	**O**
		Individual last name or organizational name			
NM104	**1036**	**Name First**	**O**	**AN 1/25**	**O**
		Individual first name			
NM105	**1037**	**Name Middle**	**O**	**AN 1/25**	**O**
		Individual middle name or initial			
NM106	**1038**	**Name Prefix**	**O**	**AN 1/10**	**O**
		Prefix to individual name			
NM107	**1039**	**Name Suffix**	**O**	**AN 1/10**	**O**
		Suffix to individual name			
NM108	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**	**O**
		Code designating the system/method of code structure used for Identification Code (67)			
		DoD/Federal IC Notes:			
		Code values '41', '42' and '91' are the only valid values at HL1 (Service Provider Level).			
		1	D-U-N-S Number, Dun & Bradstreet		
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		10	Department of Defense Activity Address Code (DODAAC)		
		33	Commercial and Government Entity (CAGE)		
		40	Electronic Mail User Code		
			Identifies the Electronic Mail User locally defined and maintained between trading partners		
		41	Telecommunications Carrier Identification Code		
			Identifies the Interexchange carrier for the charges being billed		
		42	Telecommunications Pseudo Carrier Identification Code		
			A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers		
		91	Assigned by Seller or Seller's Agent		
		92	Assigned by Buyer or Buyer's Agent		
		ZY	Temporary Identification Number		
			A temporary ID to be used until a permanent ID is processed		
NM109	**67**	**Identification Code**	**X**	**AN 2/80**	**O**
		Code identifying a party or other code			
		DoD/Federal IC Notes:			
		If N103 = '41' use CIC code list maintained by Lockheed Martin. If N103 = '42' use Pseudo-CIC list provided in OBF Section 10.4.			
		If NM108 = '42' use CIC Code list maintained by Lockheed Martin. If NM108 = '41' use Pseudo-CIC list provided in OBF Section 10.4.			

Segment: **N2** **Additional Name Information**
Position: 350
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N201	**93**	**Name** Free-form name	**M**	**AN 1/60**	**M**
N202	**93**	**Name** Free-form name	**O**	**AN 1/60**	**O**

Segment: **N3** **Address Information**
Position: 360
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N301	**166**	**Address Information** Address information	**M**	**AN 1/55**	**M**
N302	**166**	**Address Information** Address information	**O**	**AN 1/55**	**O**

Segment: **N4** **Geographic Location**
Position: 370
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N401	**19**	**City Name**	**O**	**AN 2/30**	**O**
		Free-form text for city name			
N402	**156**	**State or Province Code**	**O**	**ID 2/2**	**O**
		Code (Standard State/Province) as defined by appropriate government agency			
N403	**116**	**Postal Code**	**O**	**ID 3/15**	**O**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	**26**	**Country Code**	**O**	**ID 2/3**	**O**
		Code identifying the country			
N405	**309**	**Location Qualifier**	**X**	**ID 1/2**	**O**
		Code identifying type of location			
		AC City and State			
		AR Armed Services Location Designation			
		CC Country			
		CI City			
		SP State/Province			
N406	**310**	**Location Identifier**	**O**	**AN 1/30**	**O**
		Code which identifies a specific location			

Segment: **PER** **Administrative Communications Contact**
Position: 380
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "4".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PER01	**366**	**Contact Function Code**	**M**	**ID 2/2**	**M**
		Code identifying the major duty or responsibility of the person or group named			
		AD Accounting Department			
		AR Accounts Receivable Department			
		BD Buyer Name or Department			
		BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice			
		CC Computer Systems Contact			
		DA Directory Advertising Contact Service Provider contact for questions about, and changes to, directory advertising			
		IC Information Contact			
		MA Maintenance Contact Service Provider contact for requesting service maintenance, or reporting problems			
		OC Order Contact			
		OD Order Department			
		PM Product Manager			
		QA Quality Assurance Contact			
		SR Sales Representative or Department			
		TR Technical Marketing Representative			
PER02	**93**	**Name**	**O**	**AN 1/60**	**O**
		Free-form name			
PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:** This code is to be used only within the federal government.			
		EM Electronic Mail			
		FX Facsimile			

		TE	Telephone		
		UR	Uniform Resource Locator (URL)		
PER04	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
		DoD/Federal IC Notes:			
		Complete communications number including country or area code when applicable.			
PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:**		
			This code is to be used only within the federal government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER06	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
PER07	**365**	**Communication Number Qualifier**	**O**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AA	International Telephone Access Code		
			Dialing Code required to call another country in addition to the number		
		AB	Joint Facsimile and Phone Number		
		AC	Message Only Voice Number		
			Telephone number which provides automated messages only		
		AD	Delivery Location Phone		
		AP	Alternate Telephone		
		AS	Answering Service		
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
		BN	Beeper Number		
		BT	BTX Number		
			German communications number for on-line service provided through the Deutsche Bundespost		
		CA	Cable		
		CP	Cellular Phone		
		DN	Defense Data Network (DDN)		
			Department of Defense (DoD) data communications system		
		ED	Electronic Data Interchange Access Number		
		EM	Electronic Mail		
		EX	Telephone Extension		
		FT	Federal Telecommunications System (FTS)		
		FU	Facsimile User Identifier		
		FX	Facsimile		
		HF	Home Facsimile Number		
		HP	Home Phone Number		
		IT	International Telephone		
		MN	Modem Number		
		NP	Night Telephone		
		OF	Other Residential Facsimile Number		
		OT	Other Residential Telephone Number		

PA	Appointment Phone
PC	Personal Cellular
PP	Personal Phone
PS	Packet Switching
SP	Showing Phone
	Phone number to call for information about a property showing
TE	Telephone
TL	Telex
TM	Telemail
TN	Teletex Number
	Teletex is specific type of Telex service provided by Deutsche Bundespost
TX	TWX
UR	Uniform Resource Locator (URL)
VM	Voice Mail
WC	Work Cellular
WF	Work Facsimile Number
WP	Work Phone Number

PER08 364 Communication Number O AN 1/80 O

Complete communications number including country or area code when applicable

Segment: **SLN** **Subline Item Detail**
Position: 390
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes:
1 If either SLN04 or SLN05 is present, then the other is required.
2 If SLN07 is present, then SLN06 is required.
3 If SLN08 is present, then SLN06 is required.
4 If either SLN09 or SLN10 is present, then the other is required.
5 If either SLN11 or SLN12 is present, then the other is required.
6 If either SLN13 or SLN14 is present, then the other is required.
7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:
1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: **DoD/Federal IC Notes**

1. The SLN loop may only appear at HL8 (Charge Detail Level).

2. When submitting the 811 to any federal agency, use of the SLN loop is required when HL03 is "8".

For iRAPT

For the SLN segment with SLN08 = "A", data from the SLN segment will be displayed on the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
SLN01	**350**	**Assigned Identification**	**M AN 1/20**	**M**

Alphanumeric characters assigned for differentiation within a transaction set

For iRAPT:

Line Item Number

If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

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.

iRAPT Edits:

IAPS-E, CAPS-C/W:
4 AN or 6 AN

MOCAS:
4N, 4N2A, 1A3AN, "NONE" or "NONE"NN

One Pay:
4 N or 4 N PLUS 2 AN (only CLIN/SLIN allowed)

Navy ERP:
CLIN (4N), SLIN (4N + 2AN) or ELIN (1A + 3AN)

SLN02	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**	

Alphanumeric characters assigned for differentiation within a transaction set

For iRAPT:

Will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

SLN03	**662**	**Relationship Code**	**M**	**ID 1/1**	**M**	

Code indicating the relationship between entities

I	Included

SLN04	**380**	**Quantity**	**X**	**R 1/15**	**M**	**R 1/10**

Numeric value of quantity

For iRAPT:

If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits:

If DSS or DMLSS Ship To, Quantity must be a whole number with maximum field size of 10.

SLN05	**C001**	**Composite Unit of Measure**	**X**		**O**	

To identify a composite unit of measure (See Figures Appendix for examples of use)

For iRAPT:

If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

When SLN03 = "M4" - Rules of extended pricing do not apply. Proposed OBF change - At least one M4 code must be used if there are charges at the subordinate levels (5-9). When M4 is used, SLN06 equals the roll up from lower levels (see OBF summing rules in OBF Section 7.3).

C00101	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**	

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

DoD/Federal IC Notes:

When SLN05.01 = 'M4', rules of extended pricing do not apply. Proposed OBF change: when used, 'M4' equals the roll up from lower levels (see OBF summing rules in OBF Section 7.3).

For iRAPT:

If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service

AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled

RS	Resets	
	Number of times a transmission is reset due to line drop, interrupt, etc.	
S6	Sessions	
	Number of interactive sessions handled	
S7	Storage Units	
	Number of storage increments used	
SG	Segment	
T0	Telecommunications Lines in Service	
	Snapshot sample of lines in service	
UB	Telecommunications Lines in Service - Average	
	Average number of lines in service specific to equal access requirements	
UC	Telecommunications Ports	
	Number of network access ports	
UD	Tenth Minutes	
	Number of 6 second increments of usage	
UE	Tenth Hours	
	Number of 6 minute increments of usage	
UF	Usage per Telecommunications Line - Average	
UN	Unit	
ZZ	Mutually Defined	

SLN06 212 Unit Price X R 1/17 O

Price per unit of product, service, commodity, etc.

For iRAPT:

If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

SLN07 639 Basis of Unit Price Code O ID 2/2 O

Code identifying the type of unit price for an item

For iRAPT:

Will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

BD	Before Discount
	Full amount for the service prior to application of any appropriate discounts
CP	Current Price (Subject to Change)
CT	Contract
DP	Daily Price per Unit
PB	Annual Price Per Unit
	Price changed Once per Year
PE	Price per Each
PM	Monthly Price Per Unit
TE	Contract Price per Each
TP	Price per Thousand
WI	Weekly Price per Unit
	Price charged once per week

SLN08 662 Relationship Code O ID 1/1 O

Code indicating the relationship between entities

For iRAPT:

Enter in a value of "A" if the SLN segment contains a CLIN that should be displayed on the iRAPT document.

A	Add
D	Delete
I	Included

		O	Information Only		
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		
SLN09	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		DoD/Federal IC Notes:			
		Code 'ZZ' is temporarily being used for code 'WJ'.			
		For iRAPT:			
		If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document. Codes must be capitalized.			
		SV	Service Rendered		
		VP	Vendor's (Seller's) Part Number		
		ZZ	Mutually Defined		
SLN10	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
		DoD/Federal IC Notes:			
		If SLN09 = 'SV' or 'ZZ', see OBF Section 10.4 for a list of valid values.			
		For iRAPT:			
		If SLN08 = "A", this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.			
SLN11	**235**	**Product/Service ID Qualifier**	**O**	**ID 2/2**	**O**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
SLN12	**234**	**Product/Service ID**	**O**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **SI** **Service Characteristic Identification**
Position: 400
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '8'.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **PID** **Product/Item Description**
Position: 410
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID04 is required.
5 If PID09 is present, then PID05 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "8".

For iRAPT

Line Item Description

There must be at least one instance of PID per SLN loop where SLN08 = "A"
WAWF permits up to 2000 characters in the Line Item Description.
Repeat as necessary without exceeding the 2000 character limit.

WAWF does not perform validation based on the code entered in PID01; PID04 is always Optional and PID05 is always Mandatory.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PID01	**349**	**Item Description Type**	**M**	**ID 1/1**	**M**
		Code indicating the format of a description			
		F Free-form			
		S Structured (From Industry Code List)			
		X Semi-structured (Code and Text)			
PID02	**750**	**Product/Process Characteristic Code**	**O**	**ID 2/3**	**Not Used**
PID03	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		For iRAPT:			
		Will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.			
		AS Assigned by Seller			
PID04	**751**	**Product Description Code**	**X**	**AN 1/12**	**O**
		A code from an industry code list which provides specific data about a product characteristic			
		For iRAPT:			
		Will not be displayed on the iRAPT document, but will be saved in the form of an			

attachment to the iRAPT document.

PID05	**352**	**Description**	**X**	**AN 1/80**	**M**

A free-form description to clarify the related data elements and their content

For iRAPT:

If SLN08 = "A" for this SLN loop, this field will be displayed in iRAPT. Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Segment: **CUR** **Currency**
Position: 420
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:
1 If CUR08 is present, then CUR07 is required.
2 If CUR09 is present, then CUR07 is required.
3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4 If CUR11 is present, then CUR10 is required.
5 If CUR12 is present, then CUR10 is required.
6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7 If CUR14 is present, then CUR13 is required.
8 If CUR15 is present, then CUR13 is required.
9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10 If CUR17 is present, then CUR16 is required.
11 If CUR18 is present, then CUR16 is required.
12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13 If CUR20 is present, then CUR19 is required.
14 If CUR21 is present, then CUR19 is required.
Semantic Notes:
Comments:
1 See Figures Appendix for examples detailing the use of the CUR segment.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the CUR segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
CUR01	**98**	**Entity Identifier Code**	**M**	**ID 2/3**	**M**
		Code identifying an organizational entity, a physical location, property or an individual PR Payer			
CUR02	**100**	**Currency Code**	**M**	**ID 3/3**	**M**
		Code (Standard ISO) for country in whose currency the charges are specified **DoD/Federal IC Notes:** CAD Canada, Dollars USD United States of America, Dollars For additional values, request ISO 4217 Currency Code List.			
CUR03	**280**	**Exchange Rate**	**O**	**R 4/10**	**O**
		Value to be used as a multiplier conversion factor to convert monetary value from one currency to another			
CUR04	**98**	**Entity Identifier Code**	**O**	**ID 2/3**	**O**
		Code identifying an organizational entity, a physical location, property or an individual PE Payee PM Party to receive paper Memo of Invoice RI Remit To SE Selling Party SJ Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered			
CUR05	**100**	**Currency Code**	**O**	**ID 3/3**	**O**
		Code (Standard ISO) for country in whose currency the charges are specified			

DoD/Federal IC Notes:

CAD Canada, Dollars
USD United States of America, Dollars

For additional values, request ISO 4217 Currency Code List.

CUR06	**669**	**Currency Market/Exchange Code**	**O**	**ID 3/3**	**O**

Code identifying the market upon which the currency exchange rate is based

IMF	International Monetary Fund
LNF	London (England) Exchange - First Closing
LNS	London (England) Exchange - Second Closing
NYC	New York Foreign Exchange
PHI	Philadelphia Foreign Exchange
ZUR	Zurich (Switzerland) Exchange

CUR07	**374**	**Date/Time Qualifier**	**X**	**ID 3/3**	**O**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End

CUR08	**373**	**Date**	**O**	**DT 8/8**	**O**

Date expressed as CCYYMMDD

CUR09	**337**	**Time**	**O**	**TM 4/8**	**O**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Segment: **INC** **Installment Information**
Position: 430
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify installment billing arrangement
Syntax Notes:
Semantic Notes:
1 INC02 is the installment period (e.g., months).
2 INC03 is the total number of installments.
3 INC04 is the number of the current installment.
4 INC05 is the installment balance after the current installment is applied.
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the INC segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
INC01	**336**	**Terms Type Code** Code identifying type of payment terms 04 Deferred or Installment	**M**	**ID 2/2**	**M**
INC02	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**M**		**M**
C00101	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken MO Months	**M**	**ID 2/2**	**M**
INC03	**380**	**Quantity** Numeric value of quantity **DoD/Federal IC Notes:** Indicates the total number of installments.	**M**	**R 1/15**	**M**
INC04	**380**	**Quantity** Numeric value of quantity **DoD/Federal IC Notes:** Indicates number of current installments.	**M**	**R 1/15**	**M**
INC05	**782**	**Monetary Amount** Monetary amount **DoD/Federal IC Notes:** Balance remaining after this installment is billed.	**O**	**R 1/18**	**O**

Segment: **ITA** **Allowance, Charge or Service**
Position: 440
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			
ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**
		Code identifying the special service			
		DoD/Federal IC Notes:			
		See OBF Section 10.4 for a list of valid values.			
ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**
		Code indicating method of handling for an allowance or charge			
		04 Credit Customer Account			
		06 Charge to be Paid by Customer			
		ZZ Mutually Defined			
ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**
		The number assigned by a vendor referencing an allowance, promotion, deal or charge			
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**O**
		Allowance or Charge Rate per Unit			

ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**

Total dollar amount for the allowance or charge

For iRAPT:

ITA07 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

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.

ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**O**

Code indicating on what basis allowance or charge percent is calculated

9	Late Payment Charge Base Amount
	Amount outstanding after the past due date, and subject to a late payment charge

ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**

Percent expressed as a percent

ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**

Numeric value of quantity

ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges

C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.

S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**

A free-form description to clarify the related data elements and their content

ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**

Code identifying type of special charge or allowance

DoD/Federal IC Notes:

See OBF Section 10.4 for a list of valid values.

For iRAPT:

ITA14 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

WAWF will only accept additive allowance and charges on the EDI 811 where the type code in the ITA14 can be mapped to a type code in the SAC02 in the 810 extract (see below). All other codes, if additive, will be rejected with an error message.

Charges (ITA01 = "C"):
CAS Container Deposits
CMI Continuous Mileage
INS Insurance
QAB Overrun Charge
PST Postage
QAA Quantity Surcharge
TTB Transportation-Direct Billing

Allowances (ITA01 = "A"):
CBW Container Allowance
DAM Damaged Merchandise
DSC Discount
PAI Promotional Discount
QQA Quantity Discount
TD Trade Discount
TAJ Trade In

Charge or Allowance (ITA01 = "A" or "C"):
999 Other
PAF Price Deviation
PRB Prior Balance

ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **TXI** **Tax Information**
Position: 450
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation	**M ID 2/2**	**M**

CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks
MA	Material Tax
MN	Minimum Tax

MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city
ZB	911-County Tax
	Tax levied to recover the cost of providing 911 emergency service within a

county

ZC	911-Excise Tax
	Usage tax imposed to recover the cost of 911 service
ZD	911-State Tax
	Tax levied to recover the cost of providing 911 emergency service within a State
ZE	911-Tax
	Tax to recover the cost of 911 service
ZZ	Mutually Defined

TXI02 782 Monetary Amount X R 1/18 O

Monetary amount

For iRAPT:

TXI02 is Mandatory when TXI07 = "A".

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.

TXI03 954 Percent X R 1/10 O

Percentage expressed as a decimal

DoD/Federal IC Notes:

Tax rate for this jurisdiction.

TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 O

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05 956 Tax Jurisdiction Code X AN 1/10 O

Code identifying the taxing jurisdiction

TXI06 441 Tax Exempt Code X ID 1/1 O

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)

TXI07 662 Relationship Code O ID 1/1 O

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only

		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **REF** **Reference Identification**
Position: 460
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".

For iRAPT

Use this segment to submit SDN, AAA, and ACRN at the line level.
SDN, AAA, and ACRN are optional in iRAPT.

AAA is only used at the line level for Contractual Invoices. Report AAA for non-Contractual Invoices in the REF Segment at Pos. 050 in the Header.

iRAPT Edits

MOCAS, One Pay, CAPS C/W, Navy ERP:
ACRN is optional and if used must be two alphanumeric characters.

One Pay:
Contractual - To report ACRN, Line Item Amount must be greater than zero.

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.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M ID 2/3**	**M**

Code qualifying the Reference Identification

For iRAPT:

"12" Billing Account (used to report AAA in iRAPT)
"AT" Appropriation Number (used to report ACRN in iRAPT)
"CA" Cost Allocation Reference (populates SDN Field in iRAPT)
"ZZ" Mutually Defined (non-Contractual only, used to report Fiscal Year)
"11" Account Number (use to report Purchase Request Number in iRAPT)

iRAPT Edits:

One Pay:
Contractual - Line Item Amount must be greater than zero to submit a Line level ACRN for One Pay.

11	Account Number
	Number identifies a telecommunications industry account
12	Billing Account
	Account number under which billing is rendered
1J	Facility ID Number
4L	Location-specific Services Reference Number
6R	Provider Control Number

	Number assigned by information provider company for tracking and billing purposes
7I	Subscriber Authorization Number
8M	Originating Company Identifier
8N	Receiving Company Identifier
AAO	Carrier Assigned Code
AT	Appropriation Number
BF	Billing Center Identification
BLT	Billing Type
CA	Cost Allocation Reference
LJ	Local Jurisdiction
LU	Location Number
P4	Project Code
RO	Repetitive Booking Number
SU	Special Processing Code
	Unique code identifying the special handling requirements for the claim
V0	Version
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number
ZZ	Mutually Defined

REF02 127 Reference Identification X AN 1/30 O

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

For iRAPT:

When SLN08 = "A" for this SLN loop, and REF01 = AT, CA, or 12 this field will be displayed on the iRAPT document.
Otherwise this field will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

ACRN
Min/Max 2/2
If ACRNs are sent in lower-case, they will be converted to upper-case

SDN
Min/Max 1/30
The SDN is not converted to uppercase.
One Pay:
Standard Document Number (SDN) must be 13, 14, or 15 alphanumeric characters.

AAA
Min/Max 6/6

Fiscal Year
Min/Max 4/4
CCYY

Purchase Request Number
Min/Max 1/30

REF03 352 Description X AN 1/80 O

A free-form description to clarify the related data elements and their content

For iRAPT:

Will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

REF04 C040 Reference Identifier O O

To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier

C04001	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M**	**ID 2/3**	**M**
C04002	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**	**AN 1/30**	**M**
C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X**	**ID 2/3**	**O**
C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**	**O**

Segment: **PER** **Administrative Communications Contact**
Position: 470
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PER01	**366**	**Contact Function Code**	**M**	**ID 2/2**	**M**
		Code identifying the major duty or responsibility of the person or group named			
		AD Accounting Department			
		AR Accounts Receivable Department			
		BD Buyer Name or Department			
		BI Bill Inquiry Contact			
		Service Provider contact for making inquires about information on the invoice			
		CC Computer Systems Contact			
		DA Directory Advertising Contact			
		Service Provider contact for questions about, and changes to, directory advertising			
		IC Information Contact			
		MA Maintenance Contact			
		Service Provider contact for requesting service maintenance, or reporting problems			
		OC Order Contact			
		OD Order Department			
		PM Product Manager			
		QA Quality Assurance Contact			
		SR Sales Representative or Department			
		TR Technical Marketing Representative			
PER02	**93**	**Name**	**O**	**AN 1/60**	**O**
		Free-form name			
PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU Defense Switched Network			
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)			
		DoD/Federal IC Notes:			
		This code is to be used only within the federal government.			
		EM Electronic Mail			
		FX Facsimile			

		TE	Telephone		
		UR	Uniform Resource Locator (URL)		
PER04	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
		DoD/Federal IC Notes:			
		Complete communications number including country or area code when applicable.			
PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:**		
			This code is to be used only within the federal government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER06	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
PER07	**365**	**Communication Number Qualifier**	**O**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AA	International Telephone Access Code		
			Dialing Code required to call another country in addition to the number		
		AB	Joint Facsimile and Phone Number		
		AC	Message Only Voice Number		
			Telephone number which provides automated messages only		
		AD	Delivery Location Phone		
		AP	Alternate Telephone		
		AS	Answering Service		
		AU	Defense Switched Network		
			Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
		BN	Beeper Number		
		BT	BTX Number		
			German communications number for on-line service provided through the Deutsche Bundespost		
		CA	Cable		
		CP	Cellular Phone		
		DN	Defense Data Network (DDN)		
			Department of Defense (DoD) data communications system		
		ED	Electronic Data Interchange Access Number		
		EM	Electronic Mail		
		EX	Telephone Extension		
		FT	Federal Telecommunications System (FTS)		
		FU	Facsimile User Identifier		
		FX	Facsimile		
		HF	Home Facsimile Number		
		HP	Home Phone Number		
		IT	International Telephone		
		MN	Modem Number		
		NP	Night Telephone		
		OF	Other Residential Facsimile Number		
		OT	Other Residential Telephone Number		

PA	Appointment Phone
PC	Personal Cellular
PP	Personal Phone
PS	Packet Switching
SP	Showing Phone
	Phone number to call for information about a property showing
TE	Telephone
TL	Telex
TM	Telemail
TN	Teletex Number
	Teletex is specific type of Telex service provided by Deutsche Bundespost
TX	TWX
UR	Uniform Resource Locator (URL)
VM	Voice Mail
WC	Work Cellular
WF	Work Facsimile Number
WP	Work Phone Number

PER08 364 Communication Number O AN 1/80 O

Complete communications number including country or area code when applicable

Segment: **DTM** **Date/Time Reference**
Position: 480
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the DTM segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**

Code specifying type of date or time, or both date and time

001	Cancel After
003	Invoice
007	Effective
009	Process
035	Delivered
050	Received
092	Contract Effective
093	Contract Expiration
102	Issue
150	Service Period Start
151	Service Period End
152	Effective Date of Change
	Date on which the change went into effect
153	Service Interruption
154	Adjustment Period Start
155	Adjustment Period End
197	End
201	Acceptance
306	Adjustment Effective Date
	Date on which the adjustment went into effect
321	Purchased
	Date product/extended coverage was purchased
346	Plan Begin
	Date on which the plan begins
347	Plan End
	Date on which plan ends
358	Cycle Begin
	Date on which the cycle begins
359	Cycle End

			Date on which the cycle ends			
		507	Extract			
			Date on which the file was extracted from the database			
		949	Payment Effective			
DTM02	**373**	**Date**		**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD				

Segment: **AMT** **Monetary Amount**
Position: 490
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 15
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the AMT segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
AMT01	**522**	**Amount Qualifier Code** Code to qualify amount	**M ID 1/3**	**M**

1	Line Item Total
5	Total Invoice Amount
6	Amount Subject to Total Monetary Discount
8	Total Monetary Discount Amount
1E	Fixed Price
AD	Adjusted Total
AP	Amount Prior to Fractionalization Full charge amount for the service per service period, prior to pro-rated fractionalization due to partial period billing
AQ	Average Price Per Call The total amount of money associated with a category of calls divided by the total number of calls within the category calculated to provide call summary details
AS	Average Price Per Minute The total amount of money associated with a category of calls divided by the total number of minutes within the category calculated to provide call summary details
AX	Previous Price
BT	Bank Reject Total
CH	Change Amount
CS	Commission Sales Those sales used to calculate commission payments
CT	Contract Indicates the value stated in the contract
KO	Committed Amount
LI	Line Item Unit Price
LM	Limit
N	Net Indicates the value remaining after all deductions and adjustments have been made
NA	Net Adjustment
NO	Non Commission Sales Those sales not included for commission payment calculation

		NR	Nonrecurring			
		NS	Net Savings Amount			
			Amount of dollar saving resulting from the use of service, such as Optional Calling Plans			
		PB	Billed Amount			
			Total amount due on the period bill			
		RJ	Rate Amount			
		SC	Total Service Charge			
		TP	Total payment amount			
		TS	Total Sales			
			The total of commission and non commission sales needed to calculate intersell amount			
		TT	Total Transaction Amount			
		ZT	Prorated Amount			
AMT02	**782**	**Monetary Amount**		**M**	**R 1/18**	**M**
		Monetary amount				

Segment: **MSG** **Message Text**
Position: 500
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes:
1 If MSG03 is present, then MSG02 is required.
Semantic Notes:
1 MSG03 is the number of lines to advance before printing.
Comments:
1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the MSG segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
MSG01	**933**	**Free-Form Message Text** Free-form message text	**M AN 1/264**	**M**

Segment: **QTY** **Quantity**
Position: 510
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
QTY01	**673**	**Quantity Qualifier** Code specifying the type of quantity **DoD/Federal IC Notes:** Refer to code list provided in the QTY segment in Table 2 position 90.	**M ID 2/2**	**M**

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
7K	Time Frame
87	Quantity Received
8H	Minimum
90	Acknowledged Quantity Network Recognition for message receipt
91	Additional Usage Quantity The amount of usage incurred above the allotted or allowable use for a service
92	Allotted Usage Quantity The amount of allowable usage related to a service
93	Attendant-Handled Quantity Manual Recognition for message receipt
94	Billable Quantity Number of billable units used
95	Data Storage Quantity Number of storage units used
96	Non-Billable Quantity Number of non-billable units
97	Non-Urgent Delivery Quantity Number of units delivered in non-urgent status
98	Overflow Quantity Number of overflow messages, (Busy condition count for 800 service)
99	Quantity Used Quantity of units used

AA	Unacknowledged Quantity	
	Message received without network, or attendant recognition	
AB	Urgent Delivery Quantity	
	Number of units delivered in urgent status	
AC	Voice Storage Quantity	
	Number of voice storage units used	
AD	Maintenance Units	
	Number of units of maintenance provided	
AE	Minimum Average Time Requirement (MATR) Units	
	Number of units calculated at a minimum usage rating basis, such as X minutes per message	
AF	Wide Area Telephone Service (WATS)/800 Service Units	
	Number of units of usage, for WATS or 800 service	
AG	Number of End Users	
	Number of participating users	
AH	Number of Message Recipients	
	Number of recipients	
AI	Number of Operator Credits	
	Number of operator credits given	
AJ	Daily Adjustments	
D1	Billed	
M2	Maximum	
NS	Number of Stations	
	Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example	
QD	Quantity Delivered	
TO	Total	

QTY02	**380**	**Quantity**	**X**	**R 1/15**	**M**
		Numeric value of quantity			
QTY03	**C001**	**Composite Unit of Measure**	**O**		**O**
		To identify a composite unit of measure (See Figures Appendix for examples of use)			
C00101	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

DoD/Federal IC Notes:

Refer to code list provided in the QTY segment in Table 2 position 90.

03	Seconds
12	Packet
1X	Quarter Mile
4L	Megabyte
	Unit of computer storage capacity
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges

AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
F3	Equivalent
	Weight of a substance which combines with or replaces one gram atomic weight of hydrogen
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted

QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: **SI** **Service Characteristic Identification**
Position: 520
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '8'.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **NM1** **Individual or Organizational Name**
Position: 530
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: **1** If either NM108 or NM109 is present, then the other is required.
2 If NM111 is present, then NM110 is required.
Semantic Notes: **1** NM102 qualifies NM103.
Comments: **1** NM110 and NM111 further define the type of entity in NM101.
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is "8".

For iRAPT

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Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
NM101	**98**	**Entity Identifier Code**	**M ID 2/3**	**M**

Code identifying an organizational entity, a physical location, property or an individual

DoD/Federal IC Notes:

'SJ' and '9D' are the only valid codes at HL1 (Service Provider Level).

9D	New Service Provider
AG	Agent/Agency
AK	Party to Whom Acknowledgment Should Be Sent
AO	Account Of
BS	Bill and Ship To
C3	Circuit Location Identifier
	Identifies the address information as that which is assigned to a circuit location address
CA	Carrier
CT	Country of Origin
EN	End User
GP	Gateway Provider
	Identifies a gateway access provider
IA	Installed At
P9	Primary Interexchange Carrier (PIC)
	Identifies the carrier who will handle the interexchange calls
PE	Payee
PM	Party to receive paper Memo of Invoice
PR	Payer
RI	Remit To
RL	Reporting Location
SE	Selling Party
SJ	Service Provider
	Identifies name and address information as pertaining to a service provider for which billing is being rendered

NM102	**1065**	**Entity Type Qualifier**	**M ID 1/1**	**M**

Code qualifying the type of entity

1	Person
2	Non-Person Entity

3	Unknown	
4	Corporation	
5	Trust	
6	Organization	
7	Limited Liability Corporation	
8	Partnership	
9	S Corporation	
C	Custodial	
D	Non-Profit Organization	
E	Sole Proprietorship	
G	Government	
L	Limited Partnership	

NM103	**1035**	**Name Last or Organization Name**	**O**	**AN 1/35**	**O**
		Individual last name or organizational name			
NM104	**1036**	**Name First**	**O**	**AN 1/25**	**O**
		Individual first name			
NM105	**1037**	**Name Middle**	**O**	**AN 1/25**	**O**
		Individual middle name or initial			
NM106	**1038**	**Name Prefix**	**O**	**AN 1/10**	**O**
		Prefix to individual name			
NM107	**1039**	**Name Suffix**	**O**	**AN 1/10**	**O**
		Suffix to individual name			
NM108	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**	**O**
		Code designating the system/method of code structure used for Identification Code (67)			

DoD/Federal IC Notes:

Code values '41', '42' and '91' are the only valid values at HL1 (Service Provider Level).

1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)
33	Commercial and Government Entity (CAGE)
40	Electronic Mail User Code
	Identifies the Electronic Mail User locally defined and maintained between trading partners
41	Telecommunications Carrier Identification Code
	Identifies the Interexchange carrier for the charges being billed
42	Telecommunications Pseudo Carrier Identification Code
	A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent
ZY	Temporary Identification Number
	A temporary ID to be used until a permanent ID is processed

NM109	**67**	**Identification Code**	**X**	**AN 2/80**	**O**
		Code identifying a party or other code			

DoD/Federal IC Notes:

If N103 = '41' use CIC code list maintained by Lockheed Martin. If N103 = '42' use Pseudo-CIC list provided in OBF Section 10.4.

If NM108 = '42' use CIC code list maintained by Lockheed Martin. If NM108 = '41' use Pseudo-CIC list provided in OBF Section 10.4.

Segment: **N2** **Additional Name Information**
Position: 540
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N201	**93**	**Name** Free-form name	**M**	**AN 1/60**	**M**
N202	**93**	**Name** Free-form name	**O**	**AN 1/60**	**O**

Segment: **N3** **Address Information**
Position: 550
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N3 segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N301	**166**	**Address Information** Address information	**M**	**AN 1/55**	**M**
N302	**166**	**Address Information** Address information	**O**	**AN 1/55**	**O**

Segment: **N4** **Geographic Location**
Position: 560
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N401	**19**	**City Name**	**O**	**AN 2/30**	**O**
		Free-form text for city name			
N402	**156**	**State or Province Code**	**O**	**ID 2/2**	**O**
		Code (Standard State/Province) as defined by appropriate government agency			
N403	**116**	**Postal Code**	**O**	**ID 3/15**	**O**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	**26**	**Country Code**	**O**	**ID 2/3**	**O**
		Code identifying the country			
N405	**309**	**Location Qualifier**	**X**	**ID 1/2**	**O**
		Code identifying type of location			
		AC City and State			
		AR Armed Services Location Designation			
		CC Country			
		CI City			
		SP State/Province			
N406	**310**	**Location Identifier**	**O**	**AN 1/30**	**O**
		Code which identifies a specific location			

Segment: **REF** **Reference Identification**
Position: 570
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
		1J Facility ID Number			
		4L Location-specific Services Reference Number			
		6R Provider Control Number			
		Number assigned by information provider company for tracking and billing purposes			
		7I Subscriber Authorization Number			
		8M Originating Company Identifier			
		8N Receiving Company Identifier			
		AAO Carrier Assigned Code			
		BF Billing Center Identification			
		BLT Billing Type			
		LJ Local Jurisdiction			
		LU Location Number			
		P4 Project Code			
		RO Repetitive Booking Number			
		SU Special Processing Code			
		Unique code identifying the special handling requirements for the claim			
		V0 Version			
		YN Receiver ID Qualifier			
		ZH Carrier Assigned Reference Number			
REF02	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
REF03	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
REF04	**C040**	**Reference Identifier**	**O**		**O**
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			

C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **PER** **Administrative Communications Contact**
Position: 580
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the PER segment is optional when HL03 is "8".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
PER01	**366**	**Contact Function Code**	**M**	**ID 2/2**	**M**
		Code identifying the major duty or responsibility of the person or group named			
		AD Accounting Department			
		AR Accounts Receivable Department			
		BD Buyer Name or Department			
		BI Bill Inquiry Contact Service Provider contact for making inquires about information on the invoice			
		CC Computer Systems Contact			
		DA Directory Advertising Contact Service Provider contact for questions about, and changes to, directory advertising			
		IC Information Contact			
		MA Maintenance Contact Service Provider contact for requesting service maintenance, or reporting problems			
		OC Order Contact			
		OD Order Department			
		PM Product Manager			
		QA Quality Assurance Contact			
		SR Sales Representative or Department			
		TR Technical Marketing Representative			
PER02	**93**	**Name**	**O**	**AN 1/60**	**O**
		Free-form name			
PER03	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:** This code is to be used only within the federal government.			
		EM Electronic Mail			
		FX Facsimile			

		TE	Telephone		
		UR	Uniform Resource Locator (URL)		
PER04	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			
PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**	**O**
		Code identifying the type of communication number			
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) **DoD/Federal IC Notes:** This code is to be used only within the federal government.		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER06	**364**	**Communication Number**	**X**	**AN 1/80**	**O**
		Complete communications number including country or area code when applicable			

Segment: **TCD** **Itemized Call Detail**

Position: 590

Loop: TCD Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify detail information for itemized calls

Syntax Notes:
1 If either TCD04 or TCD05 is present, then the other is required.
2 If either TCD07 or TCD08 is present, then the other is required.

Semantic Notes:
1 TCD12 is an undiscounted amount.
2 TCD13 is a net amount after the discount has been applied to the amount in TCD12.
3 TCD14 is an undiscounted amount.
4 TCD15 is a net amount after the discount has been applied to the amount in TCD14.
5 TCD16 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
1 TCD01 is the detail information.
2 TCD02 is the date of the call.
3 TCD03 is the connect time of the call.
4 TCD04, TCD05, and TCD06 are the 'to' location of the call.
5 TCD07, TCD08, and TCD09 are the 'from' location of the call.
6 TCD10 and TCD11 are the total duration of the call. TCD10 is the time measured in minutes or minutes and tenths of minutes. TCD11 is time measured in seconds or seconds and tenths of seconds.

Notes: **DoD/Federal IC Notes**

1. The TCD loop may only appear at the line detail level.

2. When submitting the 811 to any federal agency, use of a minimum of TCD or USD or both is required when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
TCD01	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			
TCD02	**373**	**Date**	**O**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD			
TCD03	**337**	**Time**	**O**	**TM 4/8**	**O**
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) **DoD/Federal IC Notes:** Connect time of call.			
TCD04	**309**	**Location Qualifier**	**X**	**ID 1/2**	**O**
		Code identifying type of location **DoD/Federal IC Notes:** Code identifying the type of "TO" location provided in TCD05 and TCD06. A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country). The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided. AC City and State CC Country			

		CI City			
		SP State/Province			
		ZZ Mutually Defined			
TCD05	**310**	**Location Identifier**	**X**	**AN 1/30**	**O**
		Code which identifies a specific location			
TCD06	**156**	**State or Province Code**	**O**	**ID 2/2**	**O**
		Code (Standard State/Province) as defined by appropriate government agency			
TCD07	**309**	**Location Qualifier**	**X**	**ID 1/2**	**O**
		Code identifying type of location			
		DoD/Federal IC Notes:			
		Code identifying the type of "FROM" location provided in TCD08 and TCD09.			
		A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).			
		The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.			
		AC City and State			
		CC Country			
		CI City			
		SP State/Province			
		ZZ Mutually Defined			
TCD08	**310**	**Location Identifier**	**X**	**AN 1/30**	**O**
		Code which identifies a specific location			
TCD09	**156**	**State or Province Code**	**O**	**ID 2/2**	**O**
		Code (Standard State/Province) as defined by appropriate government agency			
TCD10	**739**	**Measurement Value**	**O**	**R 1/20**	**O**
		The value of the measurement			
		DoD/Federal IC Notes:			
		Duration of call measured in minutes and tenths of minutes.			
TCD11	**739**	**Measurement Value**	**O**	**R 1/20**	**O**
		The value of the measurement			
		DoD/Federal IC Notes:			
		Duration of call measured in seconds and tenths of seconds.			
TCD12	**782**	**Monetary Amount**	**O**	**R 1/18**	**O**
		Monetary amount			
		DoD/Federal IC Notes:			
		Undiscounted amount.			
TCD13	**782**	**Monetary Amount**	**O**	**R 1/18**	**O**
		Monetary amount			
		DoD/Federal IC Notes:			
		Net amount after a discount has been applied to the amount in TCD12.			
TCD14	**782**	**Monetary Amount**	**O**	**R 1/18**	**O**
		Monetary amount			
		DoD/Federal IC Notes:			
		Undiscounted amount.			
TCD15	**782**	**Monetary Amount**	**O**	**R 1/18**	**O**
		Monetary amount			
		DoD/Federal IC Notes:			
		Net amount after a discount has been applied to the amount in TCD14.			
TCD16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			

A	Add
D	Delete
I	Included
O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **SI** **Service Characteristic Identification**
Position: 600
Loop: TCD Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '9'.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **TXI** **Tax Information**
Position: 610
Loop: TCD Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:
1 At least one of TXI02 TXI03 or TXI06 is required.
2 If either TXI04 or TXI05 is present, then the other is required.
3 If TXI08 is present, then TXI03 is required.
Semantic Notes:
1 TXI02 is the monetary amount of the tax.
2 TXI03 is the tax percent expressed as a decimal.
3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "9".

For iRAPT

When contained in HL Loops 1-7 and TXI07 = "A", data from the TXI segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS does not utilize the TXI Segment.

One Pay allows three tax Segments per Invoice and is optional.

CAPS-C/W allows a total of 10 taxes per Invoice and is optional.

IAPS-E and Navy ERP allow taxes; each value may be entered only once and is optional.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TXI01	**963**	**Tax Type Code** Code specifying the type of tax **DoD/Federal IC Notes:** Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax ZE 911-Tax AA Stadium Tax AB Surtax AT Assessment BP Business Privilege Tax	**M ID 2/2**	**M**

	Tax imposed on non-American Indian businesses for the privilege of conducting business on an American Indian reservation
CA	City Tax
	Service Tax imposed by City
CB	Threshold Tax
CG	Federal Value-added Tax (GST) on Goods
CI	City Rental Tax
	Levied by a city government against the periodic fee paid by a customer in return for the right to use the property of another party
CP	County/Parish Sales Tax
CR	County Rental Tax
	Levied by a county government against the periodic fee paid by a customer in return for the right to use the property of another party
CS	City Sales Tax
CT	County Tax
CV	Federal Value-added Tax (GST) on Services
DL	Default Labor Tax
EQ	Equipment Tax
ET	Energy Tax
	Tax applied to the utility and petroleum industries
EV	Environmental Tax
F1	FICA Tax
F2	FICA Medicare Tax
F3	FICA Social Security Tax
FD	Federal Tax
	Usage tax imposed by federal (US and Canadian) government
FF	Fuel Super Fund Tax
FI	Federal Income Tax Withholding
FL	Fuel L.U.S.T. Tax (Leaking Underground Storage Tank)
FR	Franchise Tax
	Tax imposed by municipality for the right to provide service
FS	Fuel Spill Tax
FT	Federal Excise Tax
GR	Gross Receipts Tax
GS	Goods and Services Tax
	Canadian value-added tax
HS	Public Health and Education Tax
	Canadian tax levied to fund public care and education
HT	Handicap Tax
	Tax assessed to assist the handicapped
HZ	Hazardous Waste Tax
LB	Labor By Trade Tax
LO	Local Tax (Not Sales Tax)
	Service tax imposed on a local level
LS	State and Local Sales Tax
LT	Local Sales Tax (All Applicable Sales Taxes by Taxing Authority Below the State Level)
LU	Leaky Underground Storage Tank (LUST) Tax (federal)
	Leaky Underground Storage Tank (LUST) Tax (federal); tax imposed in the U.S., at the federal level, for clean-up of leaky underground storage tanks
LV	Leaky Underground Storage Tank (LUST) Tax (state)
	Leaky Underground Storage Tank (LUST) Tax (state); tax imposed in the U.S., at the state level, for clean-up of leaky underground storage tanks

MA	Material Tax
MN	Minimum Tax
MP	Municipal Tax
	Service tax imposed by a municipality
MS	Miscellaneous State Tax
MT	Metropolitan Transit Tax
OH	Other Taxes
OT	Occupational Tax
	Tax imposed on telecommunication companies for the right to provide service
PG	State or Provincial Tax on Goods
PS	State or Provincial Tax on Services
SA	State or Provincial Fuel Tax
SB	Secondary Percentage Tax
SC	School Tax
	Tax collection by taxing authority for schools
SE	State Excise Tax
	Usage tax imposed by state of provincial government
SF	Superfund Tax
	Superfund is a U.S. government fund created for the clean up or eradication of sites at which toxic waste, hazardous to the environment, has been dumped
SL	State and Local Tax
	State and Local tax funds, exclusive of State and Local Sales tax
SP	State/Provincial Tax
	State tax levied which excludes sales or excise taxes
SR	State Rental Tax
	Levied by a state government against the periodic fee paid by a customer in return for the right to use the property of another party
SS	State Tax on Specific Labor
ST	State Sales Tax
SU	Sales and Use Tax
	Tax on Equipment and Service provided
SX	Enhanced 911 - State Excise Tax
	A tax imposed to pay for enhanced 911 services such as automatic call identification
T1	Pre-threshold Tax
T2	Post Threshold Tax
TD	Telecommunications Device for the Deaf (TDD) Service Excise Tax
	Tax imposed to recover the cost of providing TDD equipment
TT	Telecommunications Tax
	Tax imposed on telecommunications companies for the right to provide service or usage tax imposed. (This could be an excise tax)
TX	All Taxes
	Total of all applicable taxes
UL	License Tax
	Tax used to report the amount of license tax which is passed to the consumer
UT	Utility Users' Tax
	City or county tax for natural gas usage that is imposed upon customers
VA	Value Added Tax
WS	Well Service
ZA	911-City Tax
	Tax levied to recover the cost of providing 911 emergency services within a city

ZB	911-County Tax		
	Tax levied to recover the cost of providing 911 emergency service within a county		
ZC	911-Excise Tax		
	Usage tax imposed to recover the cost of 911 service		
ZD	911-State Tax		
	Tax levied to recover the cost of providing 911 emergency service within a State		
ZE	911-Tax		
	Tax to recover the cost of 911 service		
ZZ	Mutually Defined		

TXI02	**782**	**Monetary Amount**	**X**	**R 1/18**	**O**

Monetary amount

For iRAPT:

TXI02 is Mandatory when TXI07 = "A".

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.

TXI03	**954**	**Percent**	**X**	**R 1/10**	**O**

Percentage expressed as a decimal

DoD/Federal IC Notes:

Tax rate for this jurisdiction.

TXI04	**955**	**Tax Jurisdiction Code Qualifier**	**X**	**ID 2/2**	**O**

Code identifying the source of the data used in tax jurisdiction code

CD	Customer defined
VD	Vendor defined
VE	Vertex

TXI05	**956**	**Tax Jurisdiction Code**	**X**	**AN 1/10**	**O**

Code identifying the taxing jurisdiction

TXI06	**441**	**Tax Exempt Code**	**X**	**ID 1/1**	**O**

Code identifying exemption status from sales and use tax

1	Yes (Tax Exempt)
2	No (Not Tax Exempt)

TXI07	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

A	Add
D	Delete

		I	Included		
		O	Information Only		
			Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)		
TXI08	**828**	**Dollar Basis For Percent**	**O**	**R 1/9**	**O**
		Dollar basis to be used in the percent calculation of the allowance, charge or tax			
TXI09	**325**	**Tax Identification Number**	**O**	**AN 1/20**	**O**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
TXI10	**350**	**Assigned Identification**	**O**	**AN 1/20**	**O**
		Alphanumeric characters assigned for differentiation within a transaction set			

Segment: **ITA** **Allowance, Charge or Service**
Position: 615
Loop: TCD Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".

For iRAPT

When contained in HL Loops 1-7 and ITA16 = "A", data from the ITA segment will be displayed on the iRAPT document. Otherwise, data from this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

iRAPT Edits

MOCAS: Optional and only allows for TTB or PST in ITA14.

One Pay: Optional and allows any valid miscellaneous fee, yet only allows for three fees and allowances per Invoice.

CAPS-C/W: Optional and allows TTB in ITA14 when ITA01 = "C" for miscellaneous charge. Any ITA14 allowance code may be entered for miscellaneous allowances (ITA01 = "A") , up to 11 maximum.

IAPS-E: Charge code PRB is not allowed in ITA14.

Navy ERP: Allows all codes in ITA14 except TTB.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			

ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**
		Code identifying the special service **DoD/Federal IC Notes:** See OBF Section 10.4 for a list of valid values.			
ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**
		Code indicating method of handling for an allowance or charge 04 Credit Customer Account 06 Charge to be Paid by Customer ZZ Mutually Defined			
ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**
		The number assigned by a vendor referencing an allowance, promotion, deal or charge			
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**Not Used**
ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**
		Total dollar amount for the allowance or charge **For iRAPT:** ITA07 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C". When entering an Allowance (ITA01= A), enter a negative value in ITA07 in order for the amount to be deducted from the document total. 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.			
ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**O**
		Code indicating on what basis allowance or charge percent is calculated 9 Late Payment Charge Base Amount Amount outstanding after the past due date, and subject to a late payment charge			
ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**
		Percent expressed as a percent			
ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**
		Numeric value of quantity			
ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 03 Seconds 12 Packet 1X Quarter Mile			

AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried

NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**
		Code identifying type of special charge or allowance			

DoD/Federal IC Notes:

See OBF Section 10.4 for a list of valid values.

For iRAPT:

ITA14 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

WAWF will only accept additive allowance and charges on the EDI 811 where the type code in the ITA14 can be mapped to a type code in the SAC02 in the 810 extract (see below). All other codes, if additive, will be rejected with an error message.

Charges (ITA01 = "C"):
CAS Container Deposits
CMI Continuous Mileage
INS Insurance
QAB Overrun Charge
PST Postage

		QAA Quantity Surcharge TTB Transportation-Direct Billing Allowances (ITA01 = "A"): CBW Container Allowance DAM Damaged Merchandise DSC Discount PAI Promotional Discount QQA Quantity Discount TD Trade Discount TAJ Trade In Charge or Allowance (ITA01 = "A" or "C"): 999 Other PAF Price Deviation PRB Prior Balance			
ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **QTY** **Quantity**
Position: 617
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
QTY01	**673**	**Quantity Qualifier** Code specifying the type of quantity **DoD/Federal IC Notes:** Refer to code list provided in the QTY segment in Table 2 position 90.	**M ID 2/2**	**M**

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
7K	Time Frame
87	Quantity Received
8H	Minimum
90	Acknowledged Quantity Network Recognition for message receipt
91	Additional Usage Quantity The amount of usage incurred above the allotted or allowable use for a service
92	Allotted Usage Quantity The amount of allowable usage related to a service
93	Attendant-Handled Quantity Manual Recognition for message receipt
94	Billable Quantity Number of billable units used
95	Data Storage Quantity Number of storage units used
96	Non-Billable Quantity Number of non-billable units
97	Non-Urgent Delivery Quantity Number of units delivered in non-urgent status
98	Overflow Quantity Number of overflow messages, (Busy condition count for 800 service)
99	Quantity Used Quantity of units used

		AA	Unacknowledged Quantity		
			Message received without network, or attendant recognition		
		AB	Urgent Delivery Quantity		
			Number of units delivered in urgent status		
		AC	Voice Storage Quantity		
			Number of voice storage units used		
		AD	Maintenance Units		
			Number of units of maintenance provided		
		AE	Minimum Average Time Requirement (MATR) Units		
			Number of units calculated at a minimum usage rating basis, such as X minutes per message		
		AF	Wide Area Telephone Service (WATS)/800 Service Units		
			Number of units of usage, for WATS or 800 service		
		AG	Number of End Users		
			Number of participating users		
		AH	Number of Message Recipients		
			Number of recipients		
		AI	Number of Operator Credits		
			Number of operator credits given		
		AJ	Daily Adjustments		
		D1	Billed		
		M2	Maximum		
		NS	Number of Stations		
			Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example		
		QD	Quantity Delivered		
		TO	Total		
QTY02	**380**	**Quantity**		**X**	**R 1/15**	**M**
		Numeric value of quantity				
QTY03	**C001**	**Composite Unit of Measure**		**O**		**O**
		To identify a composite unit of measure (See Figures Appendix for examples of use)				
C00101	**355**	**Unit or Basis for Measurement Code**		**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		DoD/Federal IC Notes:				
		Refer to code list provided in the QTY segment in Table 2 position 90.				
		03	Seconds			
		12	Packet			
		1X	Quarter Mile			
		4L	Megabyte			
			Unit of computer storage capacity			
		AD	Bytes			
			A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit			
		AH	Additional Minutes			
			The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service			
		AI	Average Minutes Per Call			
			The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details			
		AL	Access Lines			
			Number of lines subject to Carrier Access Line Charges			

AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
F3	Equivalent
	Weight of a substance which combines with or replaces one gram atomic weight of hydrogen
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted

QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: **SI** **Service Characteristic Identification**
Position: 618
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '9'.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **USD** **Usage-Sensitive Detail**
Position: 620
Loop: USD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify usage-sensitive details which qualify for discounts or are subject to special rates
Syntax Notes:
1 Only one of USD03 or USD04 may be present.
2 If USD03 is present, then at least one of USD06 USD07 or USD08 is required.
3 If USD04 is present, then at least one of USD08 or USD09 is required.
4 If either USD05 or USD06 is present, then the other is required.
5 If USD07 is present, then both USD05 and USD06 are required.
6 If USD10 is present, then at least one of USD11 or USD12 is required.
7 If USD11 is present, then USD10 is required.
8 If USD12 is present, then USD10 is required.
Semantic Notes:
1 USD01 is a code indicating the relationship of the price or amount to the associated segment.
2 USD03 is the allowance or charge rate per unit.
3 USD04 is the discount percentage.
4 USD06 is the quantity of usage.
5 USD07 is a quantity of usage different than the quantity in USD06. When USD07 is present, it is used in conjunction with USD06, and then the rate USD03 is applied.
6 USD09 is the total amount of terms discount.
Comments:
1 If both USD03 and USD08 are present, then USD08 takes precedence.
2 If USD11 is present and USD12 is not present, then the range is open ended.
3 If USD12 is present and USD11 is not present, then the minimum is zero.
Notes: **DoD/Federal IC Notes**

1. The USD loop may only appear at the line detail level.

2. When submitting the 811 to any federal agency, use of a minimum of USD or TCD or both is required when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
USD01	**662**	**Relationship Code** Code indicating the relationship between entities A Add D Delete I Included O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)	**M ID 1/1**	**M**
USD02	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set	**O AN 1/20**	**O**
USD03	**118**	**Rate** Rate expressed in the standard monetary denomination for the currency specified **DoD/Federal IC Notes:** If both USD03 and USD08 are present, then USD08 takes precedence.	**X R 1/9**	**O**
USD04	**954**	**Percent** Percentage expressed as a decimal **DoD/Federal IC Notes:** Discount Percentage.	**X R 1/10**	**O**

USD05	**C001**	**Composite Unit of Measure**	**X**		**O**

To identify a composite unit of measure (See Figures Appendix for examples of use)

DoD/Federal IC Notes:

For examples of composite data elements, see Figures Appendix in X12 Standards.

C00101	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages

	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

USD06	**380**	**Quantity**	**X**	**R 1/15**	**O**
		Numeric value of quantity			
USD07	**380**	**Quantity**	**X**	**R 1/15**	**O**
		Numeric value of quantity			
		DoD/Federal IC Notes:			
		1. A quantity of usage different from the quantity of usage in USD06.			
		2. When USD07 is present, it is used in conjunction with USD06 and then the rate in USD03 is applied.			
USD08	**782**	**Monetary Amount**	**X**	**R 1/18**	**O**
		Monetary amount			
USD09	**610**	**Amount**	**X**	**N2 1/15**	**O**
		Monetary amount			
USD10	**C001**	**Composite Unit of Measure**	**X**		**O**
		To identify a composite unit of measure (See Figures Appendix for examples of use)			
		DoD/Federal IC Notes:			

For examples of composite data elements, see Figures Appendix in X12 Standards.

C00101	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **DoD/Federal IC Notes:** See USD05 for code list.			
USD11	**740**	**Range Minimum**	**X**	**R 1/20**	**O**
		The value specifying the minimum of the measurement range **DoD/Federal IC Notes:** If USD11 is present and USD12 is not present, then the range is open-ended.			
USD12	**741**	**Range Maximum**	**X**	**R 1/20**	**O**
		The value specifying the maximum of the measurement range **DoD/Federal IC Notes:** If USD12 is present and USD11 is not present, the minimum is zero.			

Segment: **SI** **Service Characteristic Identification**
Position: 625
Loop: USD Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values **For iRAPT:** See OBF Section 10.4 for valid values. Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**

		Code from an industry code list qualifying the type of service characteristics			
SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **ITA** **Allowance, Charge or Service**
Position: 630
Loop: USD Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:
DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			
ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**
		Code identifying the special service			
		DoD/Federal IC Notes:			
		See OBF Section 10.4 for a list of valid values.			
ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**
		Code indicating method of handling for an allowance or charge			
		04 Credit Customer Account			
		06 Charge to be Paid by Customer			
		ZZ Mutually Defined			
ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**
		The number assigned by a vendor referencing an allowance, promotion, deal or charge			
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**Not Used**

ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**

Total dollar amount for the allowance or charge

For iRAPT:

ITA07 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

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.

ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**O**

Code indicating on what basis allowance or charge percent is calculated

9	Late Payment Charge Base Amount
	Amount outstanding after the past due date, and subject to a late payment charge

ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**

Percent expressed as a percent

ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**

Numeric value of quantity

ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges

C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.

S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**

A free-form description to clarify the related data elements and their content

ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**

Code identifying type of special charge or allowance

DoD/Federal IC Notes:

See OBF Section 10.4 for a list of valid values.

For iRAPT:

ITA14 is Mandatory when ITA16 = "A" and ITA01 = "A" or "C".

WAWF will only accept additive allowance and charges on the EDI 811 where the type code in the ITA14 can be mapped to a type code in the SAC02 in the 810 extract (see below). All other codes, if additive, will be rejected with an error message.

Charges (ITA01 = "C"):
CAS Container Deposits
CMI Continuous Mileage
INS Insurance
QAB Overrun Charge
PST Postage
QAA Quantity Surcharge
TTB Transportation-Direct Billing

Allowances (ITA01 = "A"):
CBW Container Allowance
DAM Damaged Merchandise
DSC Discount
PAI Promotional Discount
QQA Quantity Discount
TD Trade Discount
TAJ Trade In

Charge or Allowance (ITA01 = "A" or "C"):
999 Other
PAF Price Deviation
PRB Prior Balance

ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **TRF** **Rating Factors**
Position: 640
Loop: USD Optional
Level: Detail
Usage: Optional
Max Use: 18
Purpose: To specify rating information used to calculate usage-sensitive charges
Syntax Notes:
Semantic Notes:
Comments:
1 TRF01 defines the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.
2 TRF02 and TRF03 define equivalent units per standard unit.
3 TRF04 and TRF05 define the standard unit.

Notes: **DoD/Federal IC Notes**

When submitting the 811 to any federal agency, use of the TRF segment is optional when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TRF01	**673**	**Quantity Qualifier**	**M ID 2/2**	**M**

Code specifying the type of quantity

DoD/Federal IC Notes:

Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
90	Acknowledged Quantity Network Recognition for message receipt
91	Additional Usage Quantity The amount of usage incurred above the allotted or allowable use for a service
92	Allotted Usage Quantity The amount of allowable usage related to a service
93	Attendant-Handled Quantity Manual Recognition for message receipt
94	Billable Quantity Number of billable units used
95	Data Storage Quantity Number of storage units used
96	Non-Billable Quantity Number of non-billable units
97	Non-Urgent Delivery Quantity Number of units delivered in non-urgent status
98	Overflow Quantity Number of overflow messages, (Busy condition count for 800 service)
99	Quantity Used Quantity of units used
AA	Unacknowledged Quantity

		Message received without network, or attendant recognition
	AB	Urgent Delivery Quantity
		Number of units delivered in urgent status
	AC	Voice Storage Quantity
		Number of voice storage units used
	AD	Maintenance Units
		Number of units of maintenance provided
	AE	Minimum Average Time Requirement (MATR) Units
		Number of units calculated at a minimum usage rating basis, such as X minutes per message
	AF	Wide Area Telephone Service (WATS)/800 Service Units
		Number of units of usage, for WATS or 800 service
	AG	Number of End Users
		Number of participating users
	AH	Number of Message Recipients
		Number of recipients
	AI	Number of Operator Credits
		Number of operator credits given
	AJ	Daily Adjustments
	NS	Number of Stations
		Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example

TRF02 C001 Composite Unit of Measure M M

To identify a composite unit of measure (See Figures Appendix for examples of use)

C00101 355 Unit or Basis for Measurement Code M ID 2/2 M

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

DoD/Federal IC Notes:

Equivalent units per standard unit.

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes

	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes

			Number of 6 second increments of usage
		UE	Tenth Hours
			Number of 6 minute increments of usage
		UF	Usage per Telecommunications Line - Average
		UN	Unit
		ZZ	Mutually Defined

TRF03	**380**	**Quantity**	**M**	**R 1/15**	**M**
		Numeric value of quantity **DoD/Federal IC Notes:** Standard unit.			
TRF04	**C001**	**Composite Unit of Measure**	**M**		**M**
		To identify a composite unit of measure (See Figures Appendix for examples of use)			
C00101	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **DoD/Federal IC Notes:** Equivalent units per standard unit.			
TRF05	**380**	**Quantity**	**M**	**R 1/15**	**M**
		Numeric value of quantity **DoD/Federal IC Notes:** Standard unit.			

Segment: **QTY** **Quantity**
Position: 650
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes:
1 At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes:
1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes:

DoD/Federal IC Notes

When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
QTY01	**673**	**Quantity Qualifier** Code specifying the type of quantity **DoD/Federal IC Notes:** Refer to code list provided in the QTY segment in Table 2 position 90.	**M ID 2/2**	**M**

01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
7K	Time Frame
87	Quantity Received
8H	Minimum
90	Acknowledged Quantity Network Recognition for message receipt
91	Additional Usage Quantity The amount of usage incurred above the allotted or allowable use for a service
92	Allotted Usage Quantity The amount of allowable usage related to a service
93	Attendant-Handled Quantity Manual Recognition for message receipt
94	Billable Quantity Number of billable units used
95	Data Storage Quantity Number of storage units used
96	Non-Billable Quantity Number of non-billable units
97	Non-Urgent Delivery Quantity Number of units delivered in non-urgent status
98	Overflow Quantity Number of overflow messages, (Busy condition count for 800 service)
99	Quantity Used Quantity of units used

AA	Unacknowledged Quantity		
	Message received without network, or attendant recognition		
AB	Urgent Delivery Quantity		
	Number of units delivered in urgent status		
AC	Voice Storage Quantity		
	Number of voice storage units used		
AD	Maintenance Units		
	Number of units of maintenance provided		
AE	Minimum Average Time Requirement (MATR) Units		
	Number of units calculated at a minimum usage rating basis, such as X minutes per message		
AF	Wide Area Telephone Service (WATS)/800 Service Units		
	Number of units of usage, for WATS or 800 service		
AG	Number of End Users		
	Number of participating users		
AH	Number of Message Recipients		
	Number of recipients		
AI	Number of Operator Credits		
	Number of operator credits given		
AJ	Daily Adjustments		
D1	Billed		
M2	Maximum		
NS	Number of Stations		
	Number of stations, or terminating points, which are in use, deleted, added, etc. for service delivery; ports or lines on a computer, for example		
QD	Quantity Delivered		
TO	Total		

QTY02	**380**	**Quantity**	**X**	**R 1/15**	**M**
		Numeric value of quantity			
QTY03	**C001**	**Composite Unit of Measure**	**O**		**O**
		To identify a composite unit of measure (See Figures Appendix for examples of use)			
C00101	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

DoD/Federal IC Notes:

Refer to code list provided in the QTY segment in Table 2 position 90.

03	Seconds
12	Packet
1X	Quarter Mile
4L	Megabyte
	Unit of computer storage capacity
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges

AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
F3	Equivalent
	Weight of a substance which combines with or replaces one gram atomic weight of hydrogen
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted

QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Segment: **SI** **Service Characteristic Identification**
Position: 660
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
DoD/Federal IC Notes

1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '9'.

2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

For iRAPT

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**	**M**
SI02	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**M**	**AN 2/2**	**M**
SI03	**234**	**Product/Service ID** Identifying number for a product or service	**M**	**AN 1/48**	**M**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI05	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI07	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI08	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI09	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI10	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**
SI11	**234**	**Product/Service ID** Identifying number for a product or service	**X**	**AN 1/48**	**O**
SI12	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics	**X**	**AN 2/2**	**O**

SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **TDS** **Total Monetary Value Summary**
Position: 010
Loop:
Level: Summary
Usage: Must Use
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:
1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2 TDS02 indicates the amount upon which the terms discount amount is calculated.
3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4 TDS04 indicates the total amount of terms discount.
Comments:
1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.
Notes: **For iRAPT**

There must be only one instance of TDS per transaction.

The sum of all the Line Item totals cannot exceed the threshold value currently set in the system properties table.

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.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TDS01	**610**	**Amount**	**M N2 1/15**	**M**
		Monetary amount		

DoD/Federal IC Notes:

The TDS segment (TDS01) contains the segment billed amount derived from the detail for the invoice. It does not contain any billed amounts found in the summary level.

For iRAPT:

The total Amount of the reported must be correct according to the data submitted with the document or the document will be rejected by iRAPT.

Segment: **ITA** **Allowance, Charge or Service**
Position: 020
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes: **For iRAPT**

Syntax, Semantic and Comment Notes for the ITA Segment do not apply at the Summary Level.

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			
ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**
		Code identifying the special service			
		DoD/Federal IC Notes:			
		See OBF Section 10.4 for a list of valid values.			
ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**
		Code indicating method of handling for an allowance or charge			
		03 Vendor Check to Customer			
		04 Credit Customer Account			
		06 Charge to be Paid by Customer			
		ZZ Mutually Defined			
ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**
		The number assigned by a vendor referencing an allowance, promotion, deal or charge			
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**Not**

					Used
ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**
		Total dollar amount for the allowance or charge			
ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**O**
		Code indicating on what basis allowance or charge percent is calculated			
		9 Late Payment Charge Base Amount			
		Amount outstanding after the past due date, and subject to a late payment charge			
ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**
		Percent expressed as a percent			
ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**
		Numeric value of quantity			
ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		03 Seconds			
		12 Packet			
		1X Quarter Mile			
		AD Bytes			
		A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit			
		AH Additional Minutes			
		The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service			
		AI Average Minutes Per Call			
		The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details			
		AL Access Lines			
		Number of lines subject to Carrier Access Line Charges			
		AN Minutes or Messages			
		Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges			
		C0 Calls			
		Number of calls handled			
		DA Days			
		DC Disk (Disc)			
		DH Miles			
		DK Kilometers			
		DQ Data Records			
		Number of Data Records handled			
		DY Directory Books			
		Number of directory books delivered to customer			
		EA Each			
		EB Electronic Mail Boxes			
		Number of Electronic Mail Boxes established for an account			
		EV Envelope			
		G7 Microfiche Sheet			
		A film that contains photographed documents greatly reduced in size			
		H1 Half Pages - Electronic			
		Number of electronic half pages of data delivered			
		HR Hours			

HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted
M0	Magnetic Tapes
	Number of Magnetic Tapes delivered with data
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
	Number of Messages transmitted, or delivered
NH	Message Hours
	Number of hours used, calculated at some rate basis such as Minutes/message carried
NJ	Number of Screens
	Number of data screens handled, or transmitted
OT	Overtime Hours
P0	Pages - Electronic
	Number of electronic pages of data delivered
P1	Percent
QA	Pages - Facsimile
	Number of FAX pages transmitted
QB	Pages - Hardcopy
	Number of printed pages delivered
QH	Quarter Hours
	Number of 15 minute increments of usage handled
RS	Resets
	Number of times a transmission is reset due to line drop, interrupt, etc.
S6	Sessions
	Number of interactive sessions handled
S7	Storage Units
	Number of storage increments used
SG	Segment
T0	Telecommunications Lines in Service
	Snapshot sample of lines in service
UB	Telecommunications Lines in Service - Average
	Average number of lines in service specific to equal access requirements
UC	Telecommunications Ports
	Number of network access ports
UD	Tenth Minutes
	Number of 6 second increments of usage
UE	Tenth Hours
	Number of 6 minute increments of usage
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not**

					Used
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**
		Code identifying type of special charge or allowance **DoD/Federal IC Notes:** See OBF Section 10.4 for a list of valid values.			
ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		A — Add			
		D — Delete			
		I — Included			
		O — Information Only			
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			

Segment: **DTM** **Date/Time Reference**
Position: 030
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **For iRAPT**

Syntax Notes for the DTM Segment do not apply at the Summary Level.

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**	**M**
		Code specifying type of date or time, or both date and time			
		007 Effective			
		009 Process			
		050 Received			
DTM02	**373**	**Date**	**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD			

Segment: **REF** **Reference Identification**
Position: 035
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **For iRAPT**

Syntax Notes for the REF Segment do not apply at the Summary Level.

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification **For iRAPT:** See OBF Section 10.4 for valid values. Refer to 004010 Data Element Dictionary for acceptable code values.	**M**	**ID 2/3**	**M**
REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**	**O**
REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**	**O**
REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**		**O**
C04001	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M**	**ID 2/3**	**M**
C04002	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**	**AN 1/30**	**M**
C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X**	**ID 2/3**	**O**
C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**	**O**

Segment: **BAL** **Balance Detail**
Position: 040
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Occurs up to four times in the summary area.
Contains the total amount previously billed.
Contains the total adjustment amount.
Contains the total payment amount.
Contains the total transaction amount.

Data Element Summary

Ref. Des.	Data Element	Name		Base Attributes		User Attributes
BAL01	**951**	**Balance Type Code**		**M**	**ID 1/2**	**M**
		Code indicating the type of balance				
		A	Adjustment			
		M	Current Month			
		P	Previous Month			
			Balance of previous period charges prior to applying payments and adjustments for the previous period billing			
BAL02	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**	**M**
		Code to qualify amount				
		5	Total Invoice Amount			
		8	Total Monetary Discount Amount			
		BT	Bank Reject Total			
		C4	Prior Payment - Actual			
			Amount paid in reality at an earlier time			
		NA	Net Adjustment			
		NS	Net Savings Amount			
			Amount of dollar saving resulting from the use of service, such as Optional Calling Plans			
		PB	Billed Amount			
			Total amount due on the period bill			
		SC	Total Service Charge			
		TP	Total payment amount			
		TT	Total Transaction Amount			
BAL03	**782**	**Monetary Amount**		**M**	**R 1/18**	**M**
		Monetary amount				

Segment: **DTM** **Date/Time Reference**
Position: 050
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**
		Code specifying type of date or time, or both date and time		
		007 Effective		
		009 Process		
		050 Received		
		193 Period Start		
		194 Period End		
		197 End		
		201 Acceptance		
		306 Adjustment Effective Date		
		Date on which the adjustment went into effect		
		321 Purchased		
		Date product/extended coverage was purchased		
		346 Plan Begin		
		Date on which the plan begins		
		347 Plan End		
		Date on which plan ends		
		358 Cycle Begin		
		Date on which the cycle begins		
		359 Cycle End		
		Date on which the cycle ends		
		507 Extract		
		Date on which the file was extracted from the database		
		949 Payment Effective		
DTM02	**373**	**Date**	**X DT 8/8**	**O**
		Date expressed as CCYYMMDD		

Segment: **N1** **Name**
Position: 060
Loop: N1 Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
N101	**98**	**Entity Identifier Code**	**M ID 2/3**	**M**
		Code identifying an organizational entity, a physical location, property or an individual		
		87 Pay-to Provider		
		AAA Sub-account		
		BY Buying Party (Purchaser)		
		L1 Inspection Location		
		Place where the item was viewed or inspected		
		PE Payee		
		PO Party to Receive Invoice for Goods or Services		
		PR Payer		
		SF Ship From		
		SJ Service Provider		
		Identifies name and address information as pertaining to a service provider for which billing is being rendered		
		ST Ship To		
		SV Service Performance Site		
		When services are contracted for, this describes the organization for whom or location address at which those services will be performed		
		Z7 Mark-for Party		
		The party for whom the needed material is intended		
N102	**93**	**Name**	**X AN 1/60**	**O**
		Free-form name		
N103	**66**	**Identification Code Qualifier**	**X ID 1/2**	**O**
		Code designating the system/method of code structure used for Identification Code (67)		
		41 Telecommunications Carrier Identification Code		
		Identifies the Interexchange carrier for the charges being billed		
		42 Telecommunications Pseudo Carrier Identification Code		
		A code similar to the standard Carrier Identification Code which is used to identify the local exchange service providers		
		91 Assigned by Seller or Seller's Agent		
N104	**67**	**Identification Code**	**X AN 2/80**	**O**
		Code identifying a party or other code		
		DoD/Federal IC Notes:		

If N103 = '41' - use CIC code list maintained by Lockheed Martin. If N103 = '42' - use Pseudo-CIC list provided in OBF Section 10.4.

Segment: **BAL** **Balance Detail**
Position: 070
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify the specific monetary balances associated with a particular account
Syntax Notes:
Semantic Notes:
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name		Base Attributes		User Attributes
BAL01	**951**	**Balance Type Code**		**M**	**ID 1/2**	**M**
		Code indicating the type of balance				
		A	Adjustment			
		M	Current Month			
		P	Previous Month			
			Balance of previous period charges prior to applying payments and adjustments for the previous period billing			
BAL02	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**	**M**
		Code to qualify amount				
		AD	Adjusted Total			
BAL03	**782**	**Monetary Amount**		**M**	**R 1/18**	**M**
		Monetary amount				

Segment: **DTM** **Date/Time Reference**
Position: 080
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**	**M**
		Code specifying type of date or time, or both date and time			
		003 Invoice			
		007 Effective			
		009 Process			
		050 Received			
		193 Period Start			
		194 Period End			
		197 End			
		201 Acceptance			
		306 Adjustment Effective Date			
		Date on which the adjustment went into effect			
		321 Purchased			
		Date product/extended coverage was purchased			
		346 Plan Begin			
		Date on which the plan begins			
		347 Plan End			
		Date on which plan ends			
		358 Cycle Begin			
		Date on which the cycle begins			
		359 Cycle End			
		Date on which the cycle ends			
		507 Extract			
		Date on which the file was extracted from the database			
		949 Payment Effective			
DTM02	**373**	**Date**	**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD			

Segment: **ITA** **Allowance, Charge or Service**
Position: 090
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator**	**M**	**ID 1/1**	**M**
		Code which indicates an allowance or charge for the service specified			
		A Allowance			
		C Charge			
		N No Allowance or Charge			
ITA02	**559**	**Agency Qualifier Code**	**X**	**ID 2/2**	**O**
		Code identifying the agency assigning the code values			
		TI Telecommunications Industry			
ITA03	**560**	**Special Services Code**	**X**	**ID 2/10**	**O**
		Code identifying the special service			
		DoD/Federal IC Notes:			
		See OBF Section 10.4 for a list of valid values.			
ITA04	**331**	**Allowance or Charge Method of Handling Code**	**M**	**ID 2/2**	**M**
		Code indicating method of handling for an allowance or charge			
		04 Credit Customer Account			
		06 Charge to be Paid by Customer			
		ZZ Mutually Defined			
ITA05	**341**	**Allowance or Charge Number**	**O**	**AN 1/16**	**O**
		The number assigned by a vendor referencing an allowance, promotion, deal or charge			
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**O**
		Allowance or Charge Rate per Unit			
ITA07	**360**	**Allowance or Charge Total Amount**	**O**	**N2 1/15**	**O**
		Total dollar amount for the allowance or charge			
ITA08	**378**	**Allowance/Charge Percent Qualifier**	**O**	**ID 1/1**	**Not**

					Used
ITA09	**332**	**Percent**	**X**	**R 1/6**	**O**
		Percent expressed as a percent			
ITA10	**380**	**Quantity**	**X**	**R 1/15**	**O**
		Numeric value of quantity			
ITA11	**355**	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**	**O**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
	A computer string of data that consists of a quantity of bits, treated as a unit; a bit is a binary digit
AH	Additional Minutes
	The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service
AI	Average Minutes Per Call
	The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details
AL	Access Lines
	Number of lines subject to Carrier Access Line Charges
AN	Minutes or Messages
	Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges
C0	Calls
	Number of calls handled
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
	Number of Data Records handled
DY	Directory Books
	Number of directory books delivered to customer
EA	Each
EB	Electronic Mail Boxes
	Number of Electronic Mail Boxes established for an account
EV	Envelope
G7	Microfiche Sheet
	A film that contains photographed documents greatly reduced in size
H1	Half Pages - Electronic
	Number of electronic half pages of data delivered
HR	Hours
HT	Half Hour
KB	Kilocharacters
	Kilocharacters of data transmitted
KF	Kilopackets
	Kilopackets of data transmitted
KJ	Kilosegments
	Kilosegments of data transmitted

		M0	Magnetic Tapes		
			Number of Magnetic Tapes delivered with data		
		M4	Monetary Value		
		MJ	Minutes		
		MO	Months		
		MR	Meter		
		NF	Messages		
			Number of Messages transmitted, or delivered		
		NH	Message Hours		
			Number of hours used, calculated at some rate basis such as Minutes/message carried		
		NJ	Number of Screens		
			Number of data screens handled, or transmitted		
		OT	Overtime Hours		
		P0	Pages - Electronic		
			Number of electronic pages of data delivered		
		P1	Percent		
		QA	Pages - Facsimile		
			Number of FAX pages transmitted		
		QB	Pages - Hardcopy		
			Number of printed pages delivered		
		QH	Quarter Hours		
			Number of 15 minute increments of usage handled		
		RS	Resets		
			Number of times a transmission is reset due to line drop, interrupt, etc.		
		S6	Sessions		
			Number of interactive sessions handled		
		S7	Storage Units		
			Number of storage increments used		
		SG	Segment		
		T0	Telecommunications Lines in Service		
			Snapshot sample of lines in service		
		UB	Telecommunications Lines in Service - Average		
			Average number of lines in service specific to equal access requirements		
		UC	Telecommunications Ports		
			Number of network access ports		
		UD	Tenth Minutes		
			Number of 6 second increments of usage		
		UE	Tenth Hours		
			Number of 6 minute increments of usage		
		UF	Usage per Telecommunications Line - Average		
		UN	Unit		
		ZZ	Mutually Defined		
ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**
		Code identifying type of special charge or allowance **DoD/Federal IC Notes:** See OBF Section 10.4 for a list of valid values.			

ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**

Code indicating the relationship between entities

O	Information Only
	Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)

Segment: **DTM** **Date/Time Reference**
Position: 100
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**	**M**
		Code specifying type of date or time, or both date and time			
		007 Effective			
		009 Process			
		050 Received			
		193 Period Start			
		194 Period End			
		197 End			
		201 Acceptance			
		306 Adjustment Effective Date			
		Date on which the adjustment went into effect			
		321 Purchased			
		Date product/extended coverage was purchased			
		346 Plan Begin			
		Date on which the plan begins			
		347 Plan End			
		Date on which plan ends			
		358 Cycle Begin			
		Date on which the cycle begins			
		359 Cycle End			
		Date on which the cycle ends			
		507 Extract			
		Date on which the file was extracted from the database			
		949 Payment Effective			
DTM02	**373**	**Date**	**X**	**DT 8/8**	**O**
		Date expressed as CCYYMMDD			

Segment: **SI** **Service Characteristic Identification**
Position: 103
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 2
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SI01	**559**	**Agency Qualifier Code**	**M**	**ID 2/2**	**M**
		Code identifying the agency assigning the code values			
SI02	**1000**	**Service Characteristics Qualifier**	**M**	**AN 2/2**	**M**
		Code from an industry code list qualifying the type of service characteristics			
SI03	**234**	**Product/Service ID**	**M**	**AN 1/48**	**M**
		Identifying number for a product or service			
SI04	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI05	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI06	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI07	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI08	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI09	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI10	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI11	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI12	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI13	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI14	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI15	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

SI16	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI17	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI18	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI19	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			
SI20	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**	**O**
		Code from an industry code list qualifying the type of service characteristics			
SI21	**234**	**Product/Service ID**	**X**	**AN 1/48**	**O**
		Identifying number for a product or service			

Segment: **REF** **Reference Identification**
Position: 105
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
		12 Billing Account			
		Account number under which billing is rendered			
		1J Facility ID Number			
		4L Location-specific Services Reference Number			
		6R Provider Control Number			
		Number assigned by information provider company for tracking and billing purposes			
		7I Subscriber Authorization Number			
		8M Originating Company Identifier			
		8N Receiving Company Identifier			
		AAO Carrier Assigned Code			
		BF Billing Center Identification			
		BLT Billing Type			
		LJ Local Jurisdiction			
		LU Location Number			
		P4 Project Code			
		RO Repetitive Booking Number			
		SU Special Processing Code			
		Unique code identifying the special handling requirements for the claim			
		V0 Version			
		YN Receiver ID Qualifier			
		ZH Carrier Assigned Reference Number			
REF02	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
REF03	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
REF04	**C040**	**Reference Identifier**	**O**		**O**
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
C04001	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**	**M**
		Code qualifying the Reference Identification			
C04002	**127**	**Reference Identification**	**M**	**AN 1/30**	**M**

		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
C04003	**128**	**Reference Identification Qualifier**	**X**	**ID 2/3**	**O**
		Code qualifying the Reference Identification			
C04004	**127**	**Reference Identification**	**X**	**AN 1/30**	**O**
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **LX** **Assigned Number**
Position: 107
Loop: LX Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
LX01	**554**	**Assigned Number** Number assigned for differentiation within a transaction set	**M N0 1/6**	**M**

Segment: **REF** **Reference Identification**
Position: 108
Loop: LX Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
REF01	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M**	**ID 2/3**	**M**
REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**	**O**
REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**	**O**
REF04	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**		**O**
C04001	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M**	**ID 2/3**	**M**
C04002	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**	**AN 1/30**	**M**
C04003	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**X**	**ID 2/3**	**O**
C04004	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/30**	**O**

Segment: **AMT** **Monetary Amount**
Position: 109
Loop: AMT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name		Base Attributes		User Attributes
AMT01	**522**	**Amount Qualifier Code**		**M**	**ID 1/3**	**M**
		Code to qualify amount				
		1E	Fixed Price			
		LM	Limit			
		NR	Nonrecurring			
		RJ	Rate Amount			
		ZT	Prorated Amount			
AMT02	**782**	**Monetary Amount**		**M**	**R 1/18**	**M**
		Monetary amount				

Segment: **DTM** **Date/Time Reference**
Position: 110
Loop: AMT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**
		Code specifying type of date or time, or both date and time		
		050 Received		
		193 Period Start		
		194 Period End		
		197 End		
		201 Acceptance		
		306 Adjustment Effective Date		
		Date on which the adjustment went into effect		
		321 Purchased		
		Date product/extended coverage was purchased		
		346 Plan Begin		
		Date on which the plan begins		
		347 Plan End		
		Date on which plan ends		
		358 Cycle Begin		
		Date on which the cycle begins		
		359 Cycle End		
		Date on which the cycle ends		
		507 Extract		
		Date on which the file was extracted from the database		
		949 Payment Effective		
DTM02	**373**	**Date**	**X DT 8/8**	**O**
		Date expressed as CCYYMMDD		

Segment: **ITA** **Allowance, Charge or Service**
Position: 111
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes:
1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
2 If ITA08 is present, then ITA09 is required.
3 If either ITA10 or ITA11 is present, then the other is required.
4 If ITA15 is present, then ITA02 is required.
5 If ITA17 is present, then ITA12 is required.
Semantic Notes:
1 ITA09 is the allowance or charge percent.
2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
3 ITA12 is the quantity of free goods.
Comments:
1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.
2 ITA02 identifies the source of the code value in ITA03 or ITA15.
3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
4 ITA13 is used to clarify the allowance, charge, or service.
5 ITA15 specifies the individual code list of the agency specified in ITA02.
6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes: **For iRAPT**

Data contained in this segment will not be displayed on the iRAPT document, but will be saved in the form of an attachment to the iRAPT document.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
ITA01	**248**	**Allowance or Charge Indicator** Code which indicates an allowance or charge for the service specified	**M**	**ID 1/1**	**M**
ITA02	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values	**X**	**ID 2/2**	**O**
ITA03	**560**	**Special Services Code** Code identifying the special service	**X**	**ID 2/10**	**O**
ITA04	**331**	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge	**M**	**ID 2/2**	**M**
ITA05	**341**	**Allowance or Charge Number** The number assigned by a vendor referencing an allowance, promotion, deal or charge	**O**	**AN 1/16**	**O**
ITA06	**359**	**Allowance or Charge Rate**	**O**	**R 1/15**	**Not Used**
ITA07	**360**	**Allowance or Charge Total Amount** Total dollar amount for the allowance or charge	**O**	**N2 1/15**	**O**
ITA08	**378**	**Allowance/Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated	**O**	**ID 1/1**	**O**
ITA09	**332**	**Percent** Percent expressed as a percent	**X**	**R 1/6**	**O**
ITA10	**380**	**Quantity** Numeric value of quantity	**X**	**R 1/15**	**O**
ITA11	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken AI Average Minutes Per Call	**X**	**ID 2/2**	**O**

		The total number of minutes of a category of calls divided by the total number of calls within the category for telephone services calculated to provide call summary details			
		AN Minutes or Messages			
		Number of minutes or messages contracted or used in telephone services where either the number of minutes or messages are the unit of measure for the calculation of charges			
ITA12	**380**	**Quantity**	**X**	**R 1/15**	**Not Used**
ITA13	**352**	**Description**	**X**	**AN 1/80**	**O**
		A free-form description to clarify the related data elements and their content			
ITA14	**150**	**Special Charge or Allowance Code**	**X**	**ID 3/3**	**O**
		Code identifying type of special charge or allowance			
ITA15	**822**	**Source Subqualifier**	**O**	**AN 1/15**	**Not Used**
ITA16	**662**	**Relationship Code**	**O**	**ID 1/1**	**O**
		Code indicating the relationship between entities			
		O Information Only			
		Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute WATS calculation based upon usage amounts)			

Segment: **DTM** **Date/Time Reference**
Position: 112
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
DTM01	**374**	**Date/Time Qualifier**	**M ID 3/3**	**M**
		Code specifying type of date or time, or both date and time		
		007 Effective		
		050 Received		
		193 Period Start		
		194 Period End		
		197 End		
		201 Acceptance		
		306 Adjustment Effective Date		
		Date on which the adjustment went into effect		
		321 Purchased		
		Date product/extended coverage was purchased		
		346 Plan Begin		
		Date on which the plan begins		
		347 Plan End		
		Date on which plan ends		
		358 Cycle Begin		
		Date on which the cycle begins		
		359 Cycle End		
		Date on which the cycle ends		
		507 Extract		
		Date on which the file was extracted from the database		
		949 Payment Effective		
DTM02	**373**	**Date**	**X DT 8/8**	**O**
		Date expressed as CCYYMMDD		

Segment: **CTT** **Transaction Totals**
Position: 115
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes:
1 If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: **DoD/Federal IC Notes**
The number of line items (CTT01) is the accumulation of the number of IT1 segments.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
CTT01	**354**	**Number of Line Items** Total number of line items in the transaction set **DoD/Federal IC Notes:** Number of IT1 segments in this transaction set. **For iRAPT:** There must be one instance of CTT per transaction.	**M N0 1/6**	**M**
CTT02	**347**	**Hash Total** Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. --------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. **DoD/Federal IC Notes:** If used, the specified field for the Telecommunications Industry is IT104.	**O R 1/10**	**O**

Segment: **SE** **Transaction Set Trailer**
Position: 120
Loop:
Level: Summary
Usage: Must Use
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:
Semantic Notes:
Comments: **1** SE is the last segment of each transaction set.
Notes: **For iRAPT**

There must be only one instance of SE per transaction.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SE01	**96**	**Number of Included Segments**	**M**	**N0 1/10**	**M**
		Total number of segments included in a transaction set including ST and SE segments			
SE02	**329**	**Transaction Set Control Number**	**M**	**AN 4/9**	**M**
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set **DoD/Federal IC Notes:** The value of this data element must match the value of the same data element in ST02 of the Transaction Set Header.			