

# 811 Consolidated Service Invoice/Statement

Functional Group ID= **CI**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Consolidated Services Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing of complex and structured service invoice detail. This standard can be used by organizations who are interested in sending or receiving either consolidated or standalone invoices for service arrangements which require processing other than that done for the typical product invoice. The Consolidated Services Invoice/Statement can be used as a credit/debit memo to differentiate between payable invoice items and information-only memo items. This transaction set should not be used as a standalone notification of a credit/debit adjustment.

## Notes:

- 1. 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.*
- 2. 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.*
- 3. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.*
- 4. The appendix to this implementation convention contains the hierarchical structure for telecommunication invoices to the federal government.*
- 5. The procedures and models for this implementation convention are contained in the Telecommunications Industry Forum (TCIF) EDI Customer Service Guidelines - Issue 7.*
  - a. For summing rules and examples, refer to TCIF EDI Guidelines Customer Services, section 7.3.*
  - b. TCIF EDI Guidelines Customer Services, section 10.4 contains valid codes to insert in data elements 150, 235, 560 and 1000 within this implementation convention.*
  - c. For Bellcore and Psuedo CIC codes, see TCIF EDI Guidelines Customer Services appendices.*
  - d. The Bellcore list may be obtained as directed in X12 Code Source 46, or from the trading partner.*
- 6. Additional information is available on the TCIF World Wide Web home page.*

**Heading:**

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6	010	ST	Transaction Set Header	M	1		
7	020	BIG	Beginning Segment for Invoice	M	1		
9	030	NTE	Note/Special Instruction	O	100		
10	040	CUR	Currency	O	1		
14	050	REF	Reference Numbers	O	>1		
16	060	PER	Administrative Communications Contact	O	3		
18	070	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
20	080	DTM	Date/Time Reference	O	10		
21	090	TXI	Tax Information	O	>1		
LOOP ID - N1						>1	
23	100	N1	Name	O	1		
25	110	N2	Additional Name Information	O	2		
26	120	N3	Address Information	O	2		
27	130	N4	Geographic Location	O	1		
28	140	REF	Reference Numbers	O	12		
30	150	PER	Administrative Communications Contact	O	3		

**Detail:**

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LOOP ID - HL						>1	
32	010	HL	Hierarchical Level	M	1		n1
LOOP ID - LX						>1	
35	020	LX	Assigned Number	O	1		
Not Used	025	VEH	Vehicle Information	O	1		
36	030	SI	Service Characteristic Identification	O	8		
38	040	PID	Product/Item Description	O	200		
Not Used	045	MEA	Measurements	O	20		
40	050	REF	Reference Numbers	O	>1		
43	060	AMT	Monetary Amount	O	5		
45	070	DTM	Date/Time Reference	O	4		
47	080	TXI	Tax Information	O	>1		
LOOP ID - QTY						10	
49	090	QTY	Quantity	O	1		
53	100	SI	Service Characteristic Identification	O	1		
LOOP ID - NM1						1	
55	110	NM1	Individual or Organizational Name	O	1		n2
58	120	N2	Additional Name Information	O	2		
59	130	N3	Address Information	O	2		
60	140	N4	Geographic Location	O	1		
61	150	REF	Reference Numbers	O	2		
64	160	PER	Administrative Communications Contact	O	>1		
66	170	TXI	Tax Information	O	>1		

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			LOOP ID - ITA		>1	
68	180	ITA	Allowance, Charge or Service	O	1	
73	190	DTM	Date/Time Reference	O	1	
75	200	TXI	Tax Information	O	>1	
			LOOP ID - IT1		999999	
77	210	IT1	Baseline Item Data (Invoice)	O	1	n3
80	220	SI	Service Characteristic Identification	O	2	
82	230	PID	Product/Item Description	O	200	
Not Used	235	MEA	Measurements	O	20	
84	240	INC	Installment Information	O	1	
85	250	TXI	Tax Information	O	>1	
87	260	REF	Reference Numbers	O	8	
88	270	DTM	Date/Time Reference	O	10	
90	280	MSG	Message Text	O	>1	
Not Used	285	AMT	Monetary Amount	O	1	
			LOOP ID - QTY		>1	
91	290	QTY	Quantity	O	1	
92	300	SI	Service Characteristic Identification	O	1	
			LOOP ID - ITA		10	
94	310	ITA	Allowance, Charge or Service	O	1	
96	320	DTM	Date/Time Reference	O	1	
98	330	TXI	Tax Information	O	>1	
			LOOP ID - NM1		>1	
100	340	NM1	Individual or Organizational Name	O	1	
103	350	N2	Additional Name Information	O	2	
104	360	N3	Address Information	O	2	
105	370	N4	Geographic Location	O	1	
106	380	PER	Administrative Communications Contact	O	3	
			LOOP ID - SLN		>1	
108	390	SLN	Subline Item Detail	O	1	n4
114	400	SI	Service Characteristic Identification	O	2	
116	410	PID	Product/Item Description	O	200	
Not Used	415	MEA	Measurements	O	20	
118	420	CUR	Currency	O	1	
122	430	INC	Installment Information	O	1	
123	440	ITA	Allowance, Charge or Service	O	10	
125	450	TXI	Tax Information	O	>1	
127	460	REF	Reference Numbers	O	>1	
128	470	PER	Administrative Communications Contact	O	3	
130	480	DTM	Date/Time Reference	O	10	
132	490	AMT	Monetary Amount	O	10	
134	500	MSG	Message Text	O	>1	
			LOOP ID - QTY		>1	
135	510	QTY	Quantity	O	1	
136	520	SI	Service Characteristic Identification	O	1	
			LOOP ID - NM1		>1	

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138	530	NM1	Individual or Organizational Name	O	1		
141	540	N2	Additional Name Information	O	2		
142	550	N3	Address Information	O	2		
143	560	N4	Geographic Location	O	1		
144	570	REF	Reference Numbers	O	8		
145	580	PER	Administrative Communications Contact	O	3		
					<b>LOOP ID - TCD</b>		<b>&gt;1</b>
147	590	TCD	Itemized Call Detail	O	1	n5	
150	600	SI	Service Characteristic Identification	O	2		
152	610	TXI	Tax Information	O	>1		
154	615	ITA	Allowance, Charge or Service	O	>1		
					<b>LOOP ID - QTY</b>		<b>&gt;1</b>
156	617	QTY	Quantity	O	1		
157	618	SI	Service Characteristic Identification	O	1		
					<b>LOOP ID - USD</b>		<b>&gt;1</b>
159	620	USD	Usage-Sensitive Detail	O	1	n6	
163	625	SI	Service Characteristic Identification	O	2		
165	630	ITA	Allowance, Charge or Service	O	2		
167	640	TRF	Rating Factors	O	18		
					<b>LOOP ID - QTY</b>		<b>&gt;1</b>
172	650	QTY	Quantity	O	1		
173	660	SI	Service Characteristic Identification	O	1		
					<b>LOOP ID - III</b>		<b>&gt;1</b>
Not Used	670	III	Information	O	1		
Not Used	680	DTP	Date or Time or Period	O	5		
Not Used	690	AMT	Monetary Amount	O	5		
Not Used	700	PCT	Percent Amounts	O	5		
					<b>LOOP ID - LQ</b>		<b>&gt;1</b>
Not Used	710	LQ	Industry Code	O	1		
Not Used	720	AMT	Monetary Amount	O	5		
Not Used	730	PCT	Percent Amounts	O	5		

**Summary:**

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175	010	TDS	Total Monetary Value Summary	M	1		
					<b>LOOP ID - ITA</b>		<b>&gt;1</b>
176	020	ITA	Allowance, Charge or Service	O	1		
178	030	DTM	Date/Time Reference	O	1		
179	035	REF	Reference Numbers	O	5		
					<b>LOOP ID - BAL</b>		<b>&gt;1</b>
180	040	BAL	Balance Detail	O	1		
181	050	DTM	Date/Time Reference	O	1		
					<b>LOOP ID - N1</b>		<b>&gt;1</b>
182	060	N1	Name	O	1		

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

LOOP ID - BAL			>1		
184	070	BAL	Balance Detail	O	1
185	080	DTM	Date/Time Reference	O	1
LOOP ID - ITA			>1		
186	090	ITA	Allowance, Charge or Service	O	1
188	100	DTM	Date/Time Reference	O	2
189	105	REF	Reference Numbers	O	5
Not Used	106	CUR	Currency	O	1
190	110	CTT	Transaction Totals	O	1 n7
192	120	SE	Transaction Set Trailer	M	1

**Transaction Set Notes**

- 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.
- When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
- The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- The SLN loop may only appear at the charge detail level.
- The TCD loop may only appear at the line detail level.
- The USD loop may only appear at the line detail level.
- 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:** Mandatory  
**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:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143		<b>Transaction Set Identifier Code</b>	<b>M ID 3/3</b>
				Code uniquely identifying a Transaction Set	
			811	X12.39 Consolidated Service Invoice/Statement	
Must Use	ST02	329		<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
				Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
				<i>Cite the same number as the one cited in SE02.</i>	

**Segment:** **BIG** **Beginning Segment for Invoice**  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**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**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	BIG01	373 Date Date (YYMMDD)	M DT 6/6
Must Use	BIG02	76 Invoice Number Identifying number assigned by issuer <i>TCIF 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.</i>	M AN 1/22
Not Used	BIG03	373 Date Date (YYMMDD)	O DT 6/6
Not Used	BIG04	324 Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	O AN 1/22
Not Used	BIG05	328 Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O AN 1/30
Not Used	BIG06	327 Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O AN 1/8
	BIG07	640 Transaction Type Code Code specifying the type of transaction	O ID 2/2
		AI Adjusted Invoice <i>This code is to be used only within the federal government.</i>	
		CD Consolidated Debit Invoice	
		CE Consolidated Credit Invoice	

Indicates that the invoice is a consolidation of several detailed credit invoices; the detail, if provided, will be contained in debit memos

CF Consolidated Debit Memo

Indicates that the invoice is a consolidated memo; all actual billing invoices are summarized by this consolidated memo

CG Consolidated Credit Memo

Indicates that the invoice is a consolidated memo; all actual billing invoices are summarized by this consolidated memo

CI Consolidated Invoice

CM Call Detail Memo

Indicates that the invoice contains details of telecommunications usage that is for information and not payable

CN Credit Invoice

CR Credit Memo

DI Debit Invoice

DR Debit Memo

FB Final Bill

FD Consolidated Invoice, Final Bill

The final (last) bill for a consolidated account

FE Memorandum, Final Bill

The final (last) bill for a non-payable invoice (memo)

ME Memorandum

RG Revised Final Bill

Code to indicate that the last bill has been recalculated due to the receipt of delayed usage, or credits; to identify unpaid overdue final accounts, which are reissued each month

<b>Not Used</b>	<b>BIG08</b>	<b>353</b>	<b>Transaction Set Purpose Code</b>	<b>O ID 2/2</b>
			Code identifying purpose of transaction set	
<b>Not Used</b>	<b>BIG09</b>	<b>306</b>	<b>Action Code</b>	<b>O ID 1/2</b>
			Code indicating type of action	
<b>Not Used</b>	<b>BIG10</b>	<b>76</b>	<b>Invoice Number</b>	<b>O AN 1/22</b>
			Identifying number assigned by issuer	

**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.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>NTE01</b>	<b>363</b>	<b>Note Reference Code</b>	<b>O ID 3/3</b>
		Code identifying the functional area or purpose for which the note applies	
		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
<b>Must Use</b>	<b>NTE02</b>	<b>352</b>	<b>Description</b>
			<b>M AN 1/80</b>
		A free-form description to clarify the related data elements and their content	

**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.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Must Use	CUR01	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		PR Payer	
Must Use	CUR02	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
		<i>CAD - Canadian Dollars</i>	
		<i>USD - USA Dollars</i>	
		<i>For additional values, request ISO document 4217.</i>	
	CUR03	280 Exchange Rate	O R 4/6
		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 2/2
		Code identifying an organizational entity, a physical location, 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**

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

*CAD - Canadian Dollars*

*USD - USA Dollars*

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

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**

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

001	Cancel After
003	Invoice
007	Effective
	<i>Effective date of exchange</i>
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 6/6**

			Date (YYMMDD)	
	<b>CUR09</b>	<b>337</b>	<b>Time</b>	<b>O TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR10</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR11</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR12</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR13</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR14</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR15</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR16</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR17</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR18</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR19</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR20</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR21</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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:** **REF** Reference Numbers  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	<b>REF01</b>	<b>128 Reference Number Qualifier</b>	<b>M ID 2/2</b>
		Code qualifying the Reference Number.	
		11 Account Number Number identifies a telecommunications industry account	
		12 Billing Account Account number under which billing is rendered	
		14 Master Account Number Account number used to represent individual billing accounts which have been consolidated and/or summarized	
		AP Accounts Receivable Number	
		BB Authorization Number Proves that permission was obtained to provide a service	
		CT Contract Number	
		DO Delivery Order Number	
		EH Financial Classification Code	
		HB Bill & Hold Invoice No.	
		LU Location Number	
		PO Purchase Order Number	
		RE Release Number	
		VN Vendor Order Number	
	<b>REF02</b>	<b>127 Reference Number</b>	<b>X AN 1/30</b>
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
	<b>REF03</b>	<b>352 Description</b>	<b>X AN 1/80</b>
		A free-form description to clarify the related data elements and their	

content

**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:**

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		CC Computer Systems Contact	
	PER02	93 Name	O AN 1/35
		Free-form name	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	

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

EM Electronic Mail  
 FX Facsimile  
 TE Telephone

	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O AN 1/20</b>
			Additional reference number or description to clarify a contact number	

**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:** *To specify due date and late payment terms.*

**Data Element Summary**

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms	
		03 Fixed Date	
		10 Instant	
		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	
ITD02	333	Terms Basis Date Code	O ID 1/2
		Code identifying the beginning of the terms period	
		3 Invoice Date	
		5 Invoice Receipt Date	
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
Not Used	ITD04	370 Terms Discount Due Date	X DT 6/6
		Date payment is due if discount is to be earned	
Not Used	ITD05	351 Terms Discount Days Due	X N0 1/3
		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 6/6
		Date when total invoice amount becomes due	
		<i>Date after which Late Payment Charge applies.</i>	

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<b>Not Used</b>	<b>ITD07</b>	<b>386</b>	<b>Terms Net Days</b> Number of days until total invoice amount is due (discount not applicable)	<b>O N0 1/3</b>
<b>Not Used</b>	<b>ITD08</b>	<b>362</b>	<b>Terms Discount Amount</b> Total amount of terms discount	<b>O N2 1/10</b>
	<b>ITD09</b>	<b>388</b>	<b>Terms Deferred Due Date</b> Date deferred payment or percent of invoice payable is due	<b>O DT 6/6</b>
	<b>ITD10</b>	<b>389</b>	<b>Deferred Amount Due</b> Deferred amount due for payment	<b>X N2 1/10</b>
<i>Put Late Payment Charge here until X12 approves addition of ITD16.</i>				
	<b>ITD11</b>	<b>342</b>	<b>Percent of Invoice Payable</b> Amount of invoice payable expressed in percent	<b>X R 1/5</b>
<b>Not Used</b>	<b>ITD12</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>O AN 1/80</b>
	<b>ITD13</b>	<b>765</b>	<b>Day of Month</b> The numeric value of the day of the month between 1 and the maximum day of the month being referenced	<b>X N0 1/2</b>
	<b>ITD14</b>	<b>107</b>	<b>Payment Method Code</b> Code identifying type of payment procedures C Pay By Check E Electronic Payment System	<b>O ID 1/1</b>
	<b>ITD15</b>	<b>954</b>	<b>Percent</b> Percentage expressed as a decimal	<b>O R 1/10</b>
<i>Late payment percentage.</i>				

**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 DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** *To specify billing period.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
<b>Must Use</b>	<b>DTM01</b>	<b>374 Date/Time Qualifier</b>	<b>M ID 3/3</b>
		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	
	<b>DTM02</b>	<b>373 Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>Not Used</b>	<b>DTM03</b>	<b>337 Time</b>	<b>X TM 4/8</b>
		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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623 Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624 Century</b>	<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250 Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
		Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251 Date Time Period</b>	<b>X AN 1/35</b>
		Expression of a date, a time, or range of dates, times or dates and times	

**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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	TXI01	963	<b>Tax Type Code</b>	<b>M ID 2/2</b>
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			<i>CA City Tax</i>	
			<i>FD Federal Tax</i>	
			<i>FI Federal Income Tax Withholding</i>	
			<i>FT Federal Excise Tax</i>	
			<i>FR Franchise Tax</i>	
			<i>GR Gross Receipts Tax</i>	
			<i>LS State and Local Sales Tax</i>	
			<i>MP Municipal Tax</i>	
			<i>OT Occupation Tax</i>	
			<i>PS Service Tax</i>	
			<i>SA State or Provincial Fuel Tax</i>	
			<i>SC School Tax</i>	
			<i>SE Excise Tax</i>	
			<i>TD Handicap Deaf Tax</i>	
			<i>UL Business Tax</i>	
			<i>ZE 911 Tax</i>	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
Not Used	TXI02	782	<b>Monetary Amount</b>	<b>X R 1/15</b>
			Monetary amount	
	TXI03	954	<b>Percent</b>	<b>X R 1/10</b>
			Percentage expressed as a decimal	

***Tax rate for this tax jurisdiction.***

	<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the source of the data used in tax jurisdiction code	
			CD Customer defined	
			VD Vendor defined	
			VE Vertex	
	<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
			Code identifying the taxing jurisdiction	
	<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
			Code identifying exemption status from sales and use tax	
			1 Yes (Tax Exempt)	
			2 No (Not Tax Exempt)	
<b>Not Used</b>	<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
			Code indicating the relationship between entities	
	<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
			Dollar basis to be used in the percent calculation of the allowance, charge or tax	
	<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
	<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
			Alphanumeric characters assigned for differentiation within a transaction set	

**Segment:** **N1** Name

**Position:** 100

**Loop:** N1 Optional

**Level:** Heading

**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.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
<b>Must Use</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>M ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual	
			PE	

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			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	
	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X AN 2/20</b>
			Code identifying a party or other code	
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O ID 2/2</b>
			Code describing entity relationship	
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual	

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

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Must Use</b>	<b>N201</b>	<b>93</b>	<b>Name</b>	<b>M AN 1/35</b>
			Free-form name	
	<b>N202</b>	<b>93</b>	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	

**Segment:** **N3** Address Information  
**Position:** 120  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Must Use</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b> Address information	<b>M AN 1/35</b>
	<b>N302</b>	<b>166</b>	<b>Address Information</b> Address information	<b>O AN 1/35</b>

**Segment:** **N4 Geographic Location**  
**Position:** 130  
**Loop:** N1 Optional  
**Level:** Heading  
**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 USA or Canada.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>N401</b>	<b>19 City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156 State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116 Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/11</b>
<b>N404</b>	<b>26 Country Code</b> Code identifying the country	<b>O ID 2/3</b>
<b>N405</b>	<b>309 Location Qualifier</b> Code identifying type of location AC City and State CC Country CI City SP State/Province	<b>X ID 1/2</b>
<b>N406</b>	<b>310 Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>

**Segment:** **REF** Reference Numbers  
**Position:** 140  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128 Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		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	
		BC Buyer's Contract Number	
		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
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
PO	Purchase Order Number
PX	Previous Invoice 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
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

<b>REF02</b>	<b>127</b>	<b>Reference Number</b>	<b>X AN 1/30</b>
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
<b>REF03</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
		A free-form description to clarify the related data elements and their content	

**Segment:** **PER Administrative Communications Contact**  
**Position:** 150  
**Loop:** N1 Optional  
**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:**

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
Must Use	PER01	366 <b>Contact Function Code</b>	<b>M ID 2/2</b>
		Code identifying the major duty or responsibility of the person or group named	
		TR Technical Marketing Representative	
	PER02	93 <b>Name</b>	<b>O AN 1/35</b>
		Free-form name	
	PER03	365 <b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	
		<i><b>This code is to be used only within the federal government.</b></i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
	PER04	364 <b>Communication Number</b>	<b>X AN 1/80</b>
		Complete communications number including country or area code when applicable	
	PER05	365 <b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type of communication number	
		AU Defense Switched Network	
		Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)	

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

EM Electronic Mail  
 FX Facsimile  
 TE Telephone

	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			<i>See codes in PER05.</i>	
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O AN 1/20</b>
			Additional reference number or description to clarify a contact number	

**Segment:** **HL Hierarchical Level**  
**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**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 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:** *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.*

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	HL01	628 Hierarchical ID Number	M AN 1/12
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
		<i>Sequential number assigned to this HL segment.</i>	
	HL02	734 Hierarchical Parent ID Number	O AN 1/12
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	

**Not used at HLI (Service Provider).**

**Must Use HL03 735 Hierarchical Level Code M ID 1/2**

Code defining the characteristic of a level in a hierarchical structure

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

**Must Use HL04 736 Hierarchical Child Code O ID 1/1**

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

***Use any code.***

- |   |  |
|---|--|
| 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:** *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".*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>Attributes</u></b>
<b>Must Use</b>	<b>LX01 554 Assigned Number</b>	<b>M N0 1/6</b>
	Number assigned for differentiation within a transaction set	

**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:** *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".*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>Must Use</b>	<b>SI01 559 Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI02 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI03 234 Product/Service ID</b> Identifying number for a product or service	<b>M AN 1/40</b>
	<b>SI04 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI05 234 Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI06 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI07 234 Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI08 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	<b>X ID 2/2</b>

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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 PID03 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. A ``N" indicates it does not apply. Any other value is indeterminate.
- Comments:**
- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``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:** *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.*

**Data Element Summary**

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

<b>Not Used</b>	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>	<b>O ID 2/2</b>
			Code indicating the product surface, layer or position that is being described	
<b>Not Used</b>	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
<b>Not Used</b>	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	

**Segment:** **REF** Reference Numbers  
**Position:** 050  
**Loop:** LX Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**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.*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128 Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		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	

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

3J	Office Number
BC	Buyer's Contract Number
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 No.
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
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
PO	Purchase Order Number
PX	Previous Invoice 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
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

**REF02      127      Reference Number      X      AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

<b>REF03</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
		A free-form description to clarify the related data elements and their content	

**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:** *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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	AMT01	522 Amount Qualifier Code	M ID 1/2
		Code to qualify amount	
		<i>"6", "KO", "PB", and "SC" are the only valid codes at HLI (Service Provider Level).</i>	
		1	Line Item Total
		5	Total Invoice Amount
		6	Amount Subject to Total Monetary Discount
		8	Total Monetary Discount Amount
		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

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

CT	Contract
	Indicates the value stated in the contract
KO	Committed Amount
LI	Line Item Unit Price
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
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
TS	Total Sales
	The total of commission and non commission sales needed to calculate intersell amount
TT	Total Transaction Amount

<b>Must Use</b>	<b>AMT02</b>	<b>782</b>	<b>Monetary Amount</b>	<b>M R 1/15</b>
			Monetary amount	
<b>Not Used</b>	<b>AMT03</b>	<b>478</b>	<b>Credit/Debit Flag Code</b>	<b>O ID 1/1</b>
			Code indicating whether amount is a credit or debit	

**Segment:** **DTM** Date/Time Reference

**Position:** 070

**Loop:** LX Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 4

**Purpose:** To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**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.*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			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	
			198 Completion	
			Date when the activity was completed	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			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)

<b>Not Used</b>	<b>DTM04</b>	<b>623</b>	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624</b>	<b>Century</b>	<b>O N0 2/2</b>
			The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
			Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Expression of a date, a time, or range of dates, times or dates and times	

**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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax <i>Use any code. The listed codes are preferred.</i> <i>CA City Tax</i> <i>FD Federal Tax</i> <i>FI Federal Income Tax Withholding</i> <i>FT Federal Excise Tax</i> <i>FR Franchise Tax</i> <i>GR Gross Receipts Tax</i> <i>LS State and Local Sales Tax</i> <i>MP Municipal Tax</i> <i>OT Occupation Tax</i> <i>PS Service Tax</i> <i>SA State or Provincial Fuel Tax</i> <i>SC School Tax</i> <i>SE Excise Tax</i> <i>TD Handicap Deaf Tax</i> <i>UL Business Tax</i> <i>ZE 911 Tax</i>	M ID 2/2
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount Monetary amount	X R 1/15

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i><b>Tax rate for this tax jurisdiction.</b></i>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		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. Govt)	
		9 Exempt (Per State Law)	
		C Not Taxable	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		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:**  
**Semantic Notes:**  
**Comments:**

**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			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

**Must Use QTY02 380 Quantity M R 1/15**

Numeric value of quantity

**QTY03 355 Unit or Basis for Measurement Code O ID 2/2**

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

Number of bytes of data transmitted

AH Additional Minutes

The minutes, usually associated with usage-sensitive pricing of telecommunication services, which are above the minutes allowed for that particular service

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

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

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

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:**

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 TCIF section 10.4 for valid values when using data element 1000/234 pairs.*

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
Must Use	SI01	559 Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	M ID 2/2
Must Use	SI03	234 Product/Service ID Identifying number for a product or service	M AN 1/40
	SI04	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI05	234 Product/Service ID Identifying number for a product or service	X AN 1/40
	SI06	1000 Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI07	234 Product/Service ID	X AN 1/40

		Identifying number for a product or service		
<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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.  
**Semantic Notes:** 1 NM102 qualifies NM103.  
**Comments:**  
**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	NM101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		<p><i>1. "SJ" is the only valid code at HL1 (Service Provider Level).</i></p> <p><i>2. "OB" and "P9" are invalid at HL2 (Billing Arrangement Level) and HL3 (Sub-Billing Arrangement Level).</i></p> <p><i>3. "C3", "CT", "GP", "IA", "OB", and "P9" are the only valid codes at HL5 (Category Level), HL6 (Subcategory Level) and HL7 (Type Level).</i></p>	
		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
		NN	Network Name
			Identifies the name of the telecommunications network, e.g., Envoy
		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

<b>Must Use</b>	<b>NM102</b>	<b>1065</b>	<b>Entity Type Qualifier</b>	<b>M ID 1/1</b>
			Code qualifying the type of entity	
			<i>Use only code "2" for federal government invoices.</i>	
		2	Non-Person Entity	
	<b>NM103</b>	<b>1035</b>	<b>Name Last or Organization Name</b>	<b>O AN 1/35</b>
			Individual last name or organizational name	
	<b>NM104</b>	<b>1036</b>	<b>Name First</b>	<b>O AN 1/25</b>
			Individual first name	
	<b>NM105</b>	<b>1037</b>	<b>Name Middle</b>	<b>O AN 1/25</b>
			Individual middle name or initial	
	<b>NM106</b>	<b>1038</b>	<b>Name Prefix</b>	<b>O AN 1/10</b>
			Prefix to individual name	
	<b>NM107</b>	<b>1039</b>	<b>Name Suffix</b>	<b>O AN 1/10</b>
			Suffix to individual name	
	<b>NM108</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)	
		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)	
			<i>This code is to be used only within the federal government.</i>	
		33	Commercial and Government Entity (CAGE)	
			<i>This code is to be used only within the federal government.</i>	
		40	Electronic Mail User Code	
			Identifies the Electronic Mail User locally defined	



**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:** *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".*

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Must Use</b>	<b>N201</b>	<b>93</b>	<b>Name</b> Free-form name	<b>M AN 1/35</b>
	<b>N202</b>	<b>93</b>	<b>Name</b> Free-form name	<b>O AN 1/35</b>

**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:** *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".*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N301	166	Address Information Address information	M AN 1/35
	N302	166	Address Information Address information	O AN 1/35

**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 USA or Canada.  
**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/11</b>
<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location AC City and State CC Country CI City SP State/Province	<b>X ID 1/2</b>
<b>N406</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>

**Segment:** **REF** Reference Numbers  
**Position:** 150  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128 Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		<i>"10", "CR", "EF", "GT", "IV", "LB", "RT", "TF" and "VC" are the only valid codes at HLI (Service Provider Level).</i>	
		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
3J	Office Number
BC	Buyer's Contract Number
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 No.
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
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
PO	Purchase Order Number
PX	Previous Invoice 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
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number

<b>REF02</b>	<b>127</b>	<b>Reference Number</b>	<b>X AN 1/30</b>
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	
<b>REF03</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
		A free-form description to clarify the related data elements and their content	

**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:** *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".*

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	PER01	366	<b>Contact Function Code</b>	<b>M ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
			AD Accounting 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 maintainance, 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	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	

	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
			Additional reference number or description to clarify a contact number		

**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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax <i>Use any code. The listed codes are preferred.</i>  <i>CA City Tax</i> <i>FD Federal Tax</i> <i>FI Federal Income Tax Withholding</i> <i>FT Federal Excise Tax</i> <i>FR Franchise Tax</i> <i>GR Gross Receipts Tax</i> <i>LS State and Local Sales Tax</i> <i>MP Municipal Tax</i> <i>OT Occupation Tax</i> <i>PS Service Tax</i> <i>SA State or Provincial Fuel Tax</i> <i>SC School Tax</i> <i>SE Excise Tax</i> <i>TD Handicap Deaf Tax</i> <i>UL Business Tax</i> <i>ZE 911 Tax</i>	M ID 2/2
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount Monetary amount	X R 1/15

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i><b>Tax rate for this jurisdiction.</b></i>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		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. Govt)	
		9 Exempt (Per State Law)	
		C Not Taxable	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		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.

- 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 = 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:** *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".*

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		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
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	

			ZZ	Mutually Defined	
	<b>ITA05</b>	<b>341</b>	<b>Allowance or Charge Number</b>		<b>O AN 1/16</b>
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
<b>Not Used</b>	<b>ITA06</b>	<b>359</b>	<b>Allowance or Charge Rate</b>		<b>O R 1/9</b>
			Allowance or Charge Rate per Unit		
	<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>		<b>O N2 1/9</b>
			Total dollar amount for the allowance or charge		
	<b>ITA08</b>	<b>378</b>	<b>Allowance/Charge Percent Qualifier</b>		<b>O ID 1/1</b>
			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	
	<b>ITA09</b>	<b>332</b>	<b>Percent</b>		<b>X R 1/6</b>
			Percent expressed as a percent		
	<b>ITA10</b>	<b>380</b>	<b>Quantity</b>		<b>X R 1/15</b>
			Numeric value of quantity		
	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>X ID 2/2</b>
			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	
				Number of bytes of data transmitted	
			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	

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

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

<b>Not Used</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b> Numeric value of quantity	<b>O R 1/15</b>
	<b>ITA13</b>	<b>352</b>	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>X AN 1/80</b>
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b> Code identifying type of special charge or allowance <i>See TCIF Section 10.4 for valid values.</i>	<b>X ID 3/3</b>
<b>Not Used</b>	<b>ITA15</b>	<b>822</b>	<b>Source Subqualifier</b> A reference that indicates the table or text maintained by the Source Qualifier	<b>O AN 1/15</b>
	<b>ITA16</b>	<b>662</b>	<b>Relationship Code</b> Code indicating the relationship between entities <i>Code "I" is only valid in Hls 4 - 9.</i>	<b>O ID 1/1</b>
			A Add	
			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)	

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

**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 DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			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 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			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)	
Not Used	DTM04	623	Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	<b>DTM05</b>	<b>624</b>	<b>Century</b>	<b>O N0 2/2</b>
			The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
			Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Expression of a date, a time, or range of dates, times or dates and times	

**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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

**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".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/15
			Monetary amount	

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		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. Govt)	
		9 Exempt (Per State Law)	
		C Not Taxable	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		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 ID's.
  - 2 IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

- 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".*

**Data Element Summary**

Ref.	Data	Data Element Summary		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
IT101	350	<b>Assigned Identification</b>		<b>O AN 1/11</b>
		Alphanumeric characters assigned for differentiation within a transaction set		
<b>Must Use</b>	IT102	<b>358 Quantity Invoiced</b>		<b>X R 1/10</b>
		Number of units invoiced (supplier units)		
<b>Must Use</b>	IT103	<b>355 Unit or Basis for Measurement Code</b>		<b>X ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA	Each	
		M4	Monetary Value	
		MO	Months	

<b>Must Use</b>	<b>IT104</b>	<b>212</b>	<b>Unit Price</b>	<b>X R 1/17</b>
			Price per unit of product, service, commodity, etc.	
	<b>IT105</b>	<b>639</b>	<b>Basis of Unit Price Code</b>	<b>O ID 2/2</b>
			Code identifying the type of unit price for an item	
			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	
	<b>IT106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			SV Service Rendered	
	<b>IT107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT113</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT115</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT117</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>

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			Identifying number for a product or service	
<b>Not Used</b>	<b>IT118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT119</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT120</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT121</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT122</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT123</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	
<b>Not Used</b>	<b>IT124</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
<b>Not Used</b>	<b>IT125</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X AN 1/40</b>
			Identifying number for a product or service	

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

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>SI01</b>	<b>559</b>	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI02</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI03</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>M AN 1/40</b>
	<b>SI04</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI05</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI06</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI07</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI08</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	<b>X ID 2/2</b>

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		

**Segment:** **PID** **Product/Item Description**

**Position:** 230

**Loop:** IT1 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 PID03 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. A ``N" indicates it does not apply. Any other value is indeterminate.

**Comments:**

- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``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:** *When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "4".*

**Data Element Summary**

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

<b>Not Used</b>	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>	<b>O ID 2/2</b>
			Code indicating the product surface, layer or position that is being described	
<b>Not Used</b>	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
<b>Not Used</b>	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	

**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:**

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

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
Must Use	INC01	336 <b>Terms Type Code</b> Code identifying type of payment terms 04 Deferred or Installment	M ID 2/2
Must Use	INC02	355 <b>Unit or Basis for Measurement Code</b> 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
Must Use	INC03	380 <b>Quantity</b> Numeric value of quantity <i>Indicates the total number of installments.</i>	M R 1/15
Must Use	INC04	380 <b>Quantity</b> Numeric value of quantity <i>Indicates the number of current installments.</i>	M R 1/15
	INC05	782 <b>Monetary Amount</b> Monetary amount <i>Balance remaining after this installment is billed.</i>	O R 1/15

**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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax <i>Use any code. The listed codes are preferred.</i>  CA City Tax FD Federal Tax FI Federal Income Tax Withholding FT Federal Excise Tax FR Franchise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupation Tax PS Service Tax SA State or Provincial Fuel Tax SC School Tax SE Excise Tax TD Handicap Deaf Tax UL Business Tax ZE 911 Tax	M ID 2/2
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount Monetary amount	X R 1/15

***Proposed TCIF change to summing rules - This amount will be the roll up of subordinate TXI segment billed amounts.***

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<b><i>Tax rate for this jurisdiction.</i></b>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		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. Govt)	
		9 Exempt (Per State Law)	
		C Not Taxable	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		Alphanumeric characters assigned for differentiation within a transaction set	

**Segment:** **REF** Reference Numbers  
**Position:** 260  
**Loop:** IT1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 8  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Notes:** *When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is '4'.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Refer to code list provided in the REF segment in Table 2 position 50.</i>	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

**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 DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			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	
			201 Acceptance	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623</b>	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624</b>	<b>Century</b>	<b>O N0 2/2</b>
			The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
			Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Expression of a date, a time, or range of dates, times or dates and times	

**Segment:** **MSG** Message Text

**Position:** 280

**Loop:** IT1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To provide a free form format that would allow the transmission of text information.

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

**Notes:** *When submitting the 811 to any federal agency, use of the MSG segment is optional when HL03 is '4'.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2

**Segment:** **QTY** Quantity  
**Position:** 290  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Notes:** *When submitting the 811 to any federal agency, use of the QTY segment is optional when HL03 is '4'.*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	M ID 2/2
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	O ID 2/2

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

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	M ID 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/40
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	X ID 2/2

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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.

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

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		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
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	

		ZZ	Mutually Defined	
	<b>ITA05</b>	<b>341</b>	<b>Allowance or Charge Number</b>	<b>O AN 1/16</b>
			The number assigned by a vendor referencing an allowance, promotion, deal or charge	
	<b>ITA06</b>	<b>359</b>	<b>Allowance or Charge Rate</b>	<b>O R 1/9</b>
			Allowance or Charge Rate per Unit	
	<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>	<b>O N2 1/9</b>
			Total dollar amount for the allowance or charge	
	<b>ITA08</b>	<b>378</b>	<b>Allowance/Charge Percent Qualifier</b>	<b>O ID 1/1</b>
			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	
	<b>ITA09</b>	<b>332</b>	<b>Percent</b>	<b>X R 1/6</b>
			Percent expressed as a percent	
	<b>ITA10</b>	<b>380</b>	<b>Quantity</b>	<b>X R 1/15</b>
			Numeric value of quantity	
	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>	
<b>Not Used</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b>	<b>O R 1/15</b>
			Numeric value of quantity	
	<b>ITA13</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>X ID 3/3</b>
			Code identifying type of special charge or allowance	
			<i>See TCIF Section 10.4 for valid values.</i>	
<b>Not Used</b>	<b>ITA15</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
	<b>ITA16</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
			Code indicating the relationship between entities	
		A	Add	
		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:** 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 DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use		DTM01	374 Date/Time Qualifier	M ID 3/3
			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 6/6
			Date (YYMMDD)	
Not Used		DTM03	337 Time	X TM 4/8
			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)	
Not Used		DTM04	623 Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

	<b>DTM05</b>	<b>624</b>	<b>Century</b>	<b>O N0 2/2</b>
			The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
			Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Expression of a date, a time, or range of dates, times or dates and times	

**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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax <i>Use any code. The listed codes are preferred.</i>  CA City Tax FD Federal Tax FI Federal Income Tax Withholding FT Federal Excise Tax FR Franchise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupation Tax PS Service Tax SA State or Provincial Fuel Tax SC School Tax SE Excise Tax TD Handicap Deaf Tax UL Business Tax ZE 911 Tax	M ID 2/2
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount Monetary amount	X R 1/15

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		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.  
**Semantic Notes:** 1 NM102 qualifies NM103.  
**Comments:**  
**Notes:** *When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is "4".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	NM101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		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

<b>Must Use</b>	<b>NM102</b>	<b>1065</b>	<b>Entity Type Qualifier</b>	<b>M</b>	<b>ID 1/1</b>
			Code qualifying the type of entity		
			<i>Use only code "2" for federal government invoices.</i>		
		2	Non-Person Entity		
	<b>NM103</b>	<b>1035</b>	<b>Name Last or Organization Name</b>	<b>O</b>	<b>AN 1/35</b>
			Individual last name or organizational name		
	<b>NM104</b>	<b>1036</b>	<b>Name First</b>	<b>O</b>	<b>AN 1/25</b>
			Individual first name		
	<b>NM105</b>	<b>1037</b>	<b>Name Middle</b>	<b>O</b>	<b>AN 1/25</b>
			Individual middle name or initial		
	<b>NM106</b>	<b>1038</b>	<b>Name Prefix</b>	<b>O</b>	<b>AN 1/10</b>
			Prefix to individual name		
	<b>NM107</b>	<b>1039</b>	<b>Name Suffix</b>	<b>O</b>	<b>AN 1/10</b>
			Suffix to individual name		
	<b>NM108</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)		
		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)		
			<i>This code is to be used only within the federal government.</i>		
		33	Commercial and Government Entity (CAGE)		
			<i>This code is to be used only within the federal government.</i>		
		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 2/20

Code identifying a party or other code

*If N108 = "41" - Use Bellcore CIC list. If N108 = "42" - Use Pseudo-CIC list provided in TCIF 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:** *When submitting the 811 to any federal agency, use of the N2 segment is optional when HL03 is '4'.*

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
<b>Must Use</b>	<b>N201</b>	<b>93</b>	<b>Name</b> Free-form name	<b>M AN 1/35</b>
	<b>N202</b>	<b>93</b>	<b>Name</b> Free-form name	<b>O AN 1/35</b>

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

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b> Address information	<b>M AN 1/35</b>
	<b>N302</b>	<b>166</b>	<b>Address Information</b> Address information	<b>O AN 1/35</b>

**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 USA or Canada.  
**Notes:** *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "4".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>N401</b>	<b>19</b>	<b>City Name</b> Free-form text for city name	<b>O AN 2/30</b>
<b>N402</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
<b>N403</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/11</b>
<b>N404</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>
<b>N405</b>	<b>309</b>	<b>Location Qualifier</b> Code identifying type of location AC City and State CC Country CI City SP State/Province	<b>X ID 1/2</b>
<b>N406</b>	<b>310</b>	<b>Location Identifier</b> Code which identifies a specific location	<b>O AN 1/30</b>

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

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting 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 maintainance, 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 1/35
			Free-form name	

	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
			Additional reference number or description to clarify a contact number		

**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 SLN07 is present, then SLN06 is required.
- 2 If SLN08 is present, then SLN06 is required.
- 3 If either SLN09 or SLN10 is present, then the other is required.
- 4 If either SLN11 or SLN12 is present, then the other is required.
- 5 If either SLN13 or SLN14 is present, then the other is required.
- 6 If either SLN15 or SLN16 is present, then the other is required.
- 7 If either SLN17 or SLN18 is present, then the other is required.
- 8 If either SLN19 or SLN20 is present, then the other is required.
- 9 If either SLN21 or SLN22 is present, then the other is required.
- 10 If either SLN23 or SLN24 is present, then the other is required.
- 11 If either SLN25 or SLN26 is present, then the other is required.
- 12 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 Dictionary for a complete list of ID's.
- 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 (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

**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".*

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SLN01	350 Assigned Identification	M AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction set	
	SLN02	350 Assigned Identification	O AN 1/11
		Alphanumeric characters assigned for differentiation within a transaction	

			set	
<b>Must Use</b>	<b>SLN03</b>	<b>662</b>	<b>Relationship Code</b>	<b>M ID 1/1</b>
			Code indicating the relationship between entities	
			I Included	
<b>Must Use</b>	<b>SLN04</b>	<b>380</b>	<b>Quantity</b>	<b>M R 1/15</b>
			Numeric value of quantity	
<b>Must Use</b>	<b>SLN05</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>M ID 2/2</b>
			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	
			Number of bytes of data transmitted	
			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	

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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	
<b>SLN06</b>	<b>212</b>	<b>Unit Price</b>		<b>X R 1/17</b>
			Price per unit of product, service, commodity, etc.	
<b>SLN07</b>	<b>639</b>	<b>Basis of Unit Price Code</b>		<b>O ID 2/2</b>
			Code identifying the type of unit price for an item	
		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	
<b>SLN08</b>	<b>662</b>	<b>Relationship Code</b>		<b>O ID 1/1</b>
			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)	
<b>SLN09</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>		<b>X ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		SV	Service Rendered	

		VP	Vendor's (Seller's) Part Number		
	<b>SLN10</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN11</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN12</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN13</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN14</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN15</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN16</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN17</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN18</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN19</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN20</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN21</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN22</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN23</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
<b>Not Used</b>	<b>SLN24</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
			Identifying number for a product or service		
<b>Not Used</b>	<b>SLN25</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

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<b>Not Used</b>	<b>SLN26</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
<b>Not Used</b>	<b>SLN27</b>	<b>235</b>	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)	<b>X ID 2/2</b>
<b>Not Used</b>	<b>SLN28</b>	<b>234</b>	<b>Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>

**Segment:** **SI Service Characteristic Identification**

**Position:** 400

**Loop:** SLN 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:** *When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "8".*

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	M ID 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/40
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	X ID 2/2

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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 PID03 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. A ``N" indicates it does not apply. Any other value is indeterminate.
- Comments:**
- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``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:** *When submitting the 811 to any federal agency, use of the PID segment is optional when HL03 is "8".*

**Data Element Summary**

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

<b>Not Used</b>	<b>PID06</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>	<b>O ID 2/2</b>
			Code indicating the product surface, layer or position that is being described	
<b>Not Used</b>	<b>PID07</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
<b>Not Used</b>	<b>PID08</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	

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

**Data Element Summary**

Ref.	Data	Element	Name	Attributes
Must Use	CUR01	98	Entity Identifier Code	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			PR Payer	
Must Use	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>For additional values, request ISO document 4217.</i>	
			<i>CAD Canadian Dollars</i>	
			<i>USD United States Dollars</i>	
	CUR03	280	Exchange Rate	O R 4/6
			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 2/2
			Code identifying an organizational entity, a physical location, 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**

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

- CAD Canadian Dollars*
- USD United States Dollars*

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

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**

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 6/6**

Date (YYMMDD)

	<b>CUR09</b>	<b>337</b>	<b>Time</b>	<b>O TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR10</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR11</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR12</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR13</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR14</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR15</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR16</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR17</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR18</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			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)	
<b>Not Used</b>	<b>CUR19</b>	<b>374</b>	<b>Date/Time Qualifier</b>	<b>X ID 3/3</b>
			Code specifying type of date or time, or both date and time	
<b>Not Used</b>	<b>CUR20</b>	<b>373</b>	<b>Date</b>	<b>X DT 6/6</b>
			Date (YYMMDD)	
<b>Not Used</b>	<b>CUR21</b>	<b>337</b>	<b>Time</b>	<b>X TM 4/8</b>
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes	

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

(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:**

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

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
Must Use	INC01	336 <b>Terms Type Code</b> Code identifying type of payment terms 04 Deferred or Installment	M ID 2/2
Must Use	INC02	355 <b>Unit or Basis for Measurement Code</b> 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
Must Use	INC03	380 <b>Quantity</b> Numeric value of quantity <i>Indicates the total number of installments.</i>	M R 1/15
Must Use	INC04	380 <b>Quantity</b> Numeric value of quantity <i>Indicates number of current installments.</i>	M R 1/15
	INC05	782 <b>Monetary Amount</b> Monetary amount <i>Balance remaining after this installment is billed.</i>	O R 1/15

**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.

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

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		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
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	

		ZZ	Mutually Defined	
	<b>ITA05</b>	<b>341</b>	<b>Allowance or Charge Number</b>	<b>O AN 1/16</b>
			The number assigned by a vendor referencing an allowance, promotion, deal or charge	
	<b>ITA06</b>	<b>359</b>	<b>Allowance or Charge Rate</b>	<b>O R 1/9</b>
			Allowance or Charge Rate per Unit	
	<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>	<b>O N2 1/9</b>
			Total dollar amount for the allowance or charge	
	<b>ITA08</b>	<b>378</b>	<b>Allowance/Charge Percent Qualifier</b>	<b>O ID 1/1</b>
			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	
	<b>ITA09</b>	<b>332</b>	<b>Percent</b>	<b>X R 1/6</b>
			Percent expressed as a percent	
	<b>ITA10</b>	<b>380</b>	<b>Quantity</b>	<b>X R 1/15</b>
			Numeric value of quantity	
	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>	
<b>Not Used</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b>	<b>O R 1/15</b>
			Numeric value of quantity	
	<b>ITA13</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>X ID 3/3</b>
			Code identifying type of special charge or allowance	
			<i>See TCIF Section 10.4 for valid values.</i>	
<b>Not Used</b>	<b>ITA15</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
	<b>ITA16</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
			Code indicating the relationship between entities	
		A	Add	
		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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			<i>Use any code. The listed codes are preferred.</i>	
			CA City Tax	
			FD Federal Tax	
			FI Federal Income Tax Withholding	
			FT Federal Excise Tax	
			FR Franchise Tax	
			GR Gross Receipts Tax	
			LS State and Local Sales Tax	
			MP Municipal Tax	
			OT Occupation Tax	
			PS Service Tax	
			SA State or Provincial Fuel Tax	
			SC School Tax	
			SE Excise Tax	
			TD Handicap Deaf Tax	
			UL Business Tax	
			ZE 911 Tax	
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount	X R 1/15
			Monetary amount	

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		Alphanumeric characters assigned for differentiation within a transaction set	

**Segment:** **REF** Reference Numbers  
**Position:** 460  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

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

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Refer to code list provided in the REF segment in Table 2 position 50.</i>	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

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

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	PER01	366	<b>Contact Function Code</b>	<b>M ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting 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 maintainance, 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	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	

	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
			Additional reference number or description to clarify a contact number		

**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 DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			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	
			201 Acceptance	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
Not Used	DTM03	337	Time	X TM 4/8
			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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623</b>	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624</b>	<b>Century</b>	<b>O N0 2/2</b>
			The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250</b>	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
			Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251</b>	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Expression of a date, a time, or range of dates, times or dates and times	

**Segment:** **AMT** Monetary Amount  
**Position:** 490  
**Loop:** SLN Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	AMT01	522 Amount Qualifier Code	M ID 1/2
		Code to qualify amount	
		1 Line Item Total	
		5 Total Invoice Amount	
		6 Amount Subject to Total Monetary Discount	
		8 Total Monetary Discount Amount	
		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	

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

KO	Committed Amount
LI	Line Item Unit Price
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
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
TS	Total Sales
	The total of commission and non commission sales needed to calculate intersell amount
TT	Total Transaction Amount

<b>Must Use</b>	<b>AMT02</b>	<b>782</b>	<b>Monetary Amount</b>	<b>M R 1/15</b>
			Monetary amount	
<b>Not Used</b>	<b>AMT03</b>	<b>478</b>	<b>Credit/Debit Flag Code</b>	<b>O ID 1/1</b>
			Code indicating whether amount is a credit or debit	

**Segment:** **MSG** Message Text

**Position:** 500

**Loop:** SLN Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To provide a free form format that would allow the transmission of text information.

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

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

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer	O ID 2/2

**Segment:** **QTY** Quantity  
**Position:** 510  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

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

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	M ID 2/2
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	O ID 2/2

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

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	M ID 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/40
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	X ID 2/2

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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.  
**Semantic Notes:** 1 NM102 qualifies NM103.  
**Comments:**  
**Notes:** *When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is "8".*

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
Must Use	NM101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		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

<b>Must Use</b>	<b>NM102</b>	<b>1065</b>	<b>Entity Type Qualifier</b>	<b>M</b>	<b>ID 1/1</b>
			Code qualifying the type of entity		
			<i>Use only code "2" for federal government invoices.</i>		
		2	Non-Person Entity		
	<b>NM103</b>	<b>1035</b>	<b>Name Last or Organization Name</b>	<b>O</b>	<b>AN 1/35</b>
			Individual last name or organizational name		
	<b>NM104</b>	<b>1036</b>	<b>Name First</b>	<b>O</b>	<b>AN 1/25</b>
			Individual first name		
	<b>NM105</b>	<b>1037</b>	<b>Name Middle</b>	<b>O</b>	<b>AN 1/25</b>
			Individual middle name or initial		
	<b>NM106</b>	<b>1038</b>	<b>Name Prefix</b>	<b>O</b>	<b>AN 1/10</b>
			Prefix to individual name		
	<b>NM107</b>	<b>1039</b>	<b>Name Suffix</b>	<b>O</b>	<b>AN 1/10</b>
			Suffix to individual name		
	<b>NM108</b>	<b>66</b>	<b>Identification Code Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)		
		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)		
			<i>This code is to be used only within the federal government.</i>		
		33	Commercial and Government Entity (CAGE)		
			<i>This code is to be used only within the federal government.</i>		
		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 2/20**

Code identifying a party or other code

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

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	N201	93	Name Free-form name	M AN 1/35
	N202	93	Name Free-form name	O AN 1/35

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

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>N301</b>	<b>166</b>	<b>Address Information</b> Address information	<b>M AN 1/35</b>
	<b>N302</b>	<b>166</b>	<b>Address Information</b> Address information	<b>O AN 1/35</b>

**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 USA or Canada.  
**Notes:** *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "8".*

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N403	116	Postal Code	O ID 3/11
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	26	Country Code	O ID 2/3
		Code identifying the country	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		AC City and State	
		CC Country	
		CI City	
		SP State/Province	
N406	310	Location Identifier	O AN 1/30
		Code which identifies a specific location	

**Segment:** **REF** Reference Numbers  
**Position:** 570  
**Loop:** NM1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 8  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

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

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. <i>Refer to code list provided in the REF segment in Table 2 position 50.</i>	M ID 2/2
	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

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

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	PER01	366	<b>Contact Function Code</b>	<b>M ID 2/2</b>
			Code identifying the major duty or responsibility of the person or group named	
		AD	Accounting 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 maintainance, 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	<b>Name</b>	<b>O AN 1/35</b>
			Free-form name	

	<b>PER03</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER04</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
	<b>PER05</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
		AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)		
			<i>This code is to be used only within the federal government.</i>		
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
	<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
			Code identifying the type of communication number		
<b>Not Used</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
			Complete communications number including country or area code when applicable		
<b>Not Used</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>
			Additional reference number or description to clarify a contact number		

- 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:**
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".*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>TCD01</b>	<b>350 Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	<b>O AN 1/11</b>
<b>TCD02</b>	<b>373 Date</b> Date (YYMMDD)	<b>O DT 6/6</b>
<b>TCD03</b>	<b>337 Time</b> 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)	<b>O TM 4/8</b>
	<b>Connect time of call.</b>	
<b>TCD04</b>	<b>309 Location Qualifier</b>	<b>X ID 1/2</b>

Code identifying type of location

**1. Code identifying the type of "TO" location provided in TCD05 and TCD06.**

**2. The point of origination or service that this code qualifies could be the location of an aircraft, vessel, vehicle, or service where a call originated or the service was provided.**

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

**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).**

<b>TCD05</b>	<b>310</b>	<b>Location Identifier</b>	<b>X</b>	<b>AN 1/30</b>
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Code which identifies a specific location

<b>TCD06</b>	<b>156</b>	<b>State or Province Code</b>	<b>O</b>	<b>ID 2/2</b>
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Code (Standard State/Province) as defined by appropriate government agency

<b>TCD07</b>	<b>309</b>	<b>Location Qualifier</b>	<b>X</b>	<b>ID 1/2</b>
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Code identifying type of location

**1. Code identifying the type of "FROM" location provided in TCD08 and TCD09.**

**2. The point of termination or service that this code qualifies could be the location of an aircraft, vessel, vehicle, or service where a call terminated or the service was provided.**

AC	City and State
CC	Country
CI	City
SP	State/Province
ZZ	Mutually Defined

**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).**

<b>TCD08</b>	<b>310</b>	<b>Location Identifier</b>	<b>X</b>	<b>AN 1/30</b>
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Code which identifies a specific location

<b>TCD09</b>	<b>156</b>	<b>State or Province Code</b>	<b>O</b>	<b>ID 2/2</b>
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Code (Standard State/Province) as defined by appropriate government agency

<b>TCD10</b>	<b>739</b>	<b>Measurement Value</b>	<b>O R 1/20</b>
		The value of the measurement	
		<i>Duration of call measured in minutes and tenths of minutes.</i>	
<b>TCD11</b>	<b>739</b>	<b>Measurement Value</b>	<b>O R 1/20</b>
		The value of the measurement	
		<i>Duration of call measured in seconds and tenths of seconds.</i>	
<b>TCD12</b>	<b>782</b>	<b>Monetary Amount</b>	<b>O R 1/15</b>
		Monetary amount	
		<i>Undiscounted amount.</i>	
<b>TCD13</b>	<b>782</b>	<b>Monetary Amount</b>	<b>O R 1/15</b>
		Monetary amount	
		<i>Net amount after a discount has been applied to the amount in TCD12.</i>	
<b>TCD14</b>	<b>782</b>	<b>Monetary Amount</b>	<b>O R 1/15</b>
		Monetary amount	
		<i>Undiscounted amount.</i>	
<b>TCD15</b>	<b>782</b>	<b>Monetary Amount</b>	<b>O R 1/15</b>
		Monetary amount	
		<i>Net amount after a discount has been applied to the amount in TCD14.</i>	
<b>TCD16</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		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:** *When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is "9".*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>Must Use</b>	<b>SI01 559 Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI02 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI03 234 Product/Service ID</b> Identifying number for a product or service	<b>M AN 1/40</b>
	<b>SI04 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI05 234 Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI06 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI07 234 Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI08 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	<b>X ID 2/2</b>

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

- Comments:**
- 1 TXI02 is the monetary amount of the tax.
  - 2 TXI03 is the tax percent expressed as a decimal.
  - 3 If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	TXI01	963	Tax Type Code Code specifying the type of tax <i>Use any code. The listed codes are preferred.</i>  CA City Tax FD Federal Tax FI Federal Income Tax Withholding FT Federal Excise Tax FR Franchise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupation Tax PS Service Tax SA State or Provincial Fuel Tax SC School Tax SE Excise Tax TD Handicap Deaf Tax UL Business Tax ZE 911 Tax	M ID 2/2
			Refer to 003050 Data Element Dictionary for acceptable code values.	
	TXI02	782	Monetary Amount Monetary amount	X R 1/15

<b>TXI03</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
<b>TXI04</b>	<b>955</b>	<b>Tax Jurisdiction Code Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the source of the data used in tax jurisdiction code	
		CD Customer defined	
		VD Vendor defined	
		VE Vertex	
<b>TXI05</b>	<b>956</b>	<b>Tax Jurisdiction Code</b>	<b>X AN 1/10</b>
		Code identifying the taxing jurisdiction	
<b>TXI06</b>	<b>441</b>	<b>Tax Exempt Code</b>	<b>X ID 1/1</b>
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
<b>TXI07</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
		Code indicating the relationship between entities	
		A Add	
		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)	
<b>TXI08</b>	<b>828</b>	<b>Dollar Basis For Percent</b>	<b>O R 1/9</b>
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
<b>TXI09</b>	<b>325</b>	<b>Tax Identification Number</b>	<b>O AN 1/20</b>
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
<b>TXI10</b>	<b>350</b>	<b>Assigned Identification</b>	<b>O AN 1/11</b>
		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.

- 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 = 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:** *When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is '9'.*

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		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
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		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	<b>Allowance or Charge Number</b>		O AN 1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
Not Used	ITA06	359	<b>Allowance or Charge Rate</b>		O R 1/9
			Allowance or Charge Rate per Unit		
	ITA07	360	<b>Allowance or Charge Total Amount</b>		O N2 1/9
			Total dollar amount for the allowance or charge		
	ITA08	378	<b>Allowance/Charge Percent Qualifier</b>		O ID 1/1
			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	<b>Percent</b>		X R 1/6
			Percent expressed as a percent		
	ITA10	380	<b>Quantity</b>		X R 1/15
			Numeric value of quantity		
	ITA11	355	<b>Unit or Basis for Measurement Code</b>		X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
Not Used	ITA12	380	<b>Quantity</b>		O R 1/15
			Numeric value of quantity		
	ITA13	352	<b>Description</b>		X AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	<b>Special Charge or Allowance Code</b>		X ID 3/3
			Code identifying type of special charge or allowance		
			<i>See TCIF Section 10.4 for valid values.</i>		
Not Used	ITA15	822	<b>Source Subqualifier</b>		O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
	ITA16	662	<b>Relationship Code</b>		O ID 1/1
			Code indicating the relationship between entities		
			A	Add	
			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:**  
**Semantic Notes:**  
**Comments:**

**Notes:** *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	M ID 2/2
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	O ID 2/2

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

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>Must Use</b>	<b>SI01 559 Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI02 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>M ID 2/2</b>
<b>Must Use</b>	<b>SI03 234 Product/Service ID</b> Identifying number for a product or service	<b>M AN 1/40</b>
	<b>SI04 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI05 234 Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI06 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	<b>X ID 2/2</b>
	<b>SI07 234 Product/Service ID</b> Identifying number for a product or service	<b>X AN 1/40</b>
	<b>SI08 1000 Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	<b>X ID 2/2</b>

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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, 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:**
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".*

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	USD01	662	Relationship Code	M ID 1/1
			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)	
	USD02	350	Assigned Identification	O AN 1/11

		Alphanumeric characters assigned for differentiation within a transaction set	
<b>USD03</b>	<b>118</b>	<b>Rate</b>	<b>X R 1/9</b>
		Rate expressed in the standard monetary denomination for the currency specified	
		<i>If both USD03 and USD08 are present, then USD08 takes precedence.</i>	
<b>USD04</b>	<b>954</b>	<b>Percent</b>	<b>X R 1/10</b>
		Percentage expressed as a decimal	
		<i>Discount Percentage.</i>	
<b>USD05</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
		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
			Number of bytes of data transmitted
		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

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

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	
<b>USD06</b>	<b>380</b>	<b>Quantity</b>		<b>X R 1/15</b>
			Numeric value of quantity	
<b>USD07</b>	<b>380</b>	<b>Quantity</b>		<b>X R 1/15</b>
			Numeric value of quantity	
			<i>1. A quantity of usage different from the quantity of usage in USD06.</i>	
			<i>2. When USD07 is present, it is used in conjunction with USD06 and then the rate in USD03 is applied.</i>	
<b>USD08</b>	<b>782</b>	<b>Monetary Amount</b>		<b>X R 1/15</b>
			Monetary amount	
			<i>If both USD03 and USD08 are present, then USD08 takes precedence.</i>	
<b>USD09</b>	<b>610</b>	<b>Amount</b>		<b>X N2 1/15</b>
			Monetary amount	
<b>USD10</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>See USD05 for code list.</i>	
<b>USD11</b>	<b>740</b>	<b>Range Minimum</b>		<b>X R 1/20</b>
			The value specifying the minimum of the measurement range	
			<i>If USD11 is present and USD12 is not present, then the range is open -ended.</i>	
<b>USD12</b>	<b>741</b>	<b>Range Maximum</b>		<b>X R 1/20</b>
			The value specifying the maximum of the measurement range	
			<i>If USD12 is present and USD11 is not present, the minimum is zero.</i>	

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	M ID 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/40
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	X ID 2/2

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		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.

- 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 = 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:** *When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is '9'.*

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		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
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	

			ZZ	Mutually Defined	
	<b>ITA05</b>	<b>341</b>	<b>Allowance or Charge Number</b>		<b>O AN 1/16</b>
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
<b>Not Used</b>	<b>ITA06</b>	<b>359</b>	<b>Allowance or Charge Rate</b>		<b>O R 1/9</b>
			Allowance or Charge Rate per Unit		
	<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>		<b>O N2 1/9</b>
			Total dollar amount for the allowance or charge		
	<b>ITA08</b>	<b>378</b>	<b>Allowance/Charge Percent Qualifier</b>		<b>O ID 1/1</b>
			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	
	<b>ITA09</b>	<b>332</b>	<b>Percent</b>		<b>X R 1/6</b>
			Percent expressed as a percent		
	<b>ITA10</b>	<b>380</b>	<b>Quantity</b>		<b>X R 1/15</b>
			Numeric value of quantity		
	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>		<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Refer to code list provided in the ITA segment in Table 2 Position 180.</i>		
<b>Not Used</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b>		<b>O R 1/15</b>
			Numeric value of quantity		
	<b>ITA13</b>	<b>352</b>	<b>Description</b>		<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content		
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>		<b>X ID 3/3</b>
			Code identifying type of special charge or allowance		
			<i>See TCIF Section 10.4 for valid values.</i>		
<b>Not Used</b>	<b>ITA15</b>	<b>822</b>	<b>Source Subqualifier</b>		<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier		
	<b>ITA16</b>	<b>662</b>	<b>Relationship Code</b>		<b>O ID 1/1</b>
			Code indicating the relationship between entities		
			A	Add	
			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:** *When submitting the 811 to any federal agency, use of the TRF segment is optional when HL03 is "9".*

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
Must Use	TRF01	673 <b>Quantity Qualifier</b>	M ID 2/2
		Code specifying the type of quantity	
		<i>Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.</i>	
		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

**Must Use TRF02 355 Unit or Basis for Measurement Code M ID 2/2**  
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

***Equivalent units per standard unit.***

03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes Number of bytes of data transmitted

811T - Consolidated Service Invoice/Statement (Telecommunications Invoice)

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

**Must Use TRF03 380 Quantity M R 1/15**

Numeric value of quantity

***Equivalent units per standard unit.***

**Must Use TRF04 355 Unit or Basis for Measurement Code M ID 2/2**  
Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

*Standard unit.*

*See TRF02 for code list.*

**Must Use TRF05 380 Quantity M R 1/15**  
Numeric value of quantity

*Standard unit.*

**Segment:** **QTY** Quantity  
**Position:** 650  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Notes:** *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	M ID 2/2
Must Use	QTY02	380	<b>Quantity</b> Numeric value of quantity	M R 1/15
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>Refer to code list provided in the QTY segment in Table 2 position 90.</i>	O ID 2/2

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

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	SI01	559	<b>Agency Qualifier Code</b> Code identifying the agency assigning the code values TI Telecommunications Industry	M ID 2/2
Must Use	SI02	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	M ID 2/2
Must Use	SI03	234	<b>Product/Service ID</b> Identifying number for a product or service	M AN 1/40
	SI04	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI05	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI06	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service characteristics	X ID 2/2
	SI07	234	<b>Product/Service ID</b> Identifying number for a product or service	X AN 1/40
	SI08	1000	<b>Service Characteristics Qualifier</b> Code from an industry code list qualifying the type of service	X ID 2/2

		characteristics		
<b>SI09</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI10</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI11</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI12</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI13</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI14</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI15</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI16</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI17</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI18</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI19</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		
<b>SI20</b>	<b>1000</b>	<b>Service Characteristics Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code from an industry code list qualifying the type of service characteristics		
<b>SI21</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/40</b>
		Identifying number for a product or service		

**Segment:** **TDS** Total Monetary Value Summary  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**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.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	TDS01	610	Amount Monetary amount <i>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.</i>	M N2 1/15
Not Used	TDS02	610	Amount Monetary amount	O N2 1/15
Not Used	TDS03	610	Amount Monetary amount	O N2 1/15
Not Used	TDS04	610	Amount Monetary amount	O N2 1/15

- 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.
- 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 = 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.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	ITA01	248	<b>Allowance or Charge Indicator</b>	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			A Allowance	
			C Charge	
			N No Allowance or Charge	
	ITA02	559	<b>Agency Qualifier Code</b>	X ID 2/2
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
	ITA03	560	<b>Special Services Code</b>	X ID 2/10
			Code identifying the special service	
			<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331	<b>Allowance or Charge Method of Handling Code</b>	M ID 2/2
			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	<b>Allowance or Charge Number</b>		O AN 1/16
			The number assigned by a vendor referencing an allowance, promotion, deal or charge		
Not Used	ITA06	359	<b>Allowance or Charge Rate</b>		O R 1/9
			Allowance or Charge Rate per Unit		
	ITA07	360	<b>Allowance or Charge Total Amount</b>		O N2 1/9
			Total dollar amount for the allowance or charge		
	ITA08	378	<b>Allowance/Charge Percent Qualifier</b>		O ID 1/1
			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	<b>Percent</b>		X R 1/6
			Percent expressed as a percent		
	ITA10	380	<b>Quantity</b>		X R 1/15
			Numeric value of quantity		
	ITA11	355	<b>Unit or Basis for Measurement Code</b>		X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>		
Not Used	ITA12	380	<b>Quantity</b>		O R 1/15
			Numeric value of quantity		
	ITA13	352	<b>Description</b>		X AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	<b>Special Charge or Allowance Code</b>		X ID 3/3
			Code identifying type of special charge or allowance		
			<i>See TCIF Section 10.4 for valid values.</i>		
Not Used	ITA15	822	<b>Source Subqualifier</b>		O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
	ITA16	662	<b>Relationship Code</b>		O ID 1/1
			Code indicating the relationship between entities		
		A	Add		
		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 DTM06 is required.  
2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
<b>Must Use</b>	<b>DTM01</b>	<b>374 Date/Time Qualifier</b>	<b>M ID 3/3</b>
		Code specifying type of date or time, or both date and time	
		007 Effective	
		009 Process	
		050 Received	
	<b>DTM02</b>	<b>373 Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>Not Used</b>	<b>DTM03</b>	<b>337 Time</b>	<b>X TM 4/8</b>
		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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623 Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624 Century</b>	<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250 Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
		Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251 Date Time Period</b>	<b>X AN 1/35</b>
		Expression of a date, a time, or range of dates, times or dates and times	

**Segment:** **REF** Reference Numbers  
**Position:** 035  
**Loop:** ITA Optional  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	REF01	128 <b>Reference Number Qualifier</b> Code qualifying the Reference Number. Refer to 003050 Data Element Dictionary for acceptable code values.	M ID 2/2
	REF02	127 <b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X AN 1/30
	REF03	352 <b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80

**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:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BAL01	951	<b>Balance Type Code</b>	<b>M ID 1/2</b>
			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	
Must Use	BAL02	522	<b>Amount Qualifier Code</b>	<b>M ID 1/2</b>
			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	
Must Use	BAL03	782	<b>Monetary Amount</b>	<b>M R 1/15</b>
			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 DTM06 is required.  
 2 If either DTM06 or DTM07 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
<b>Must Use</b>	<b>DTM01</b>	<b>374 Date/Time Qualifier</b>	<b>M ID 3/3</b>
		Code specifying type of date or time, or both date and time	
		007 Effective	
		009 Process	
		050 Received	
	<b>DTM02</b>	<b>373 Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>Not Used</b>	<b>DTM03</b>	<b>337 Time</b>	<b>X TM 4/8</b>
		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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623 Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624 Century</b>	<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250 Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
		Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251 Date Time Period</b>	<b>X AN 1/35</b>
		Expression of a date, a time, or range of dates, times or dates and times	

**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.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b>	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			SJ Service Provider	
			Identifies name and address information as pertaining to a service provider for which billing is being rendered	
	N102	93	<b>Name</b>	X AN 1/35
			Free-form name	
	N103	66	<b>Identification Code Qualifier</b>	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		33	Commercial and Government Entity (CAGE)	
			<b><i>This code is to be used only within the federal government.</i></b>	
		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	

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		91	Assigned by Seller or Seller's Agent		
	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/20</b>
			Code identifying a party or other code		
<b>Not Used</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code describing entity relationship		
<b>Not Used</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual		

**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:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BAL01	951	<b>Balance Type Code</b> 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	M ID 1/2
Must Use	BAL02	522	<b>Amount Qualifier Code</b> Code to qualify amount AD Adjusted Total	M ID 1/2
Must Use	BAL03	782	<b>Monetary Amount</b> Monetary amount	M R 1/15

**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 DTM06 is required.  
 2 If either DTM06 or DTM07 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
<b>Must Use</b>	<b>DTM01</b>	<b>374 Date/Time Qualifier</b>	<b>M ID 3/3</b>
		Code specifying type of date or time, or both date and time	
		003 Invoice	
		007 Effective	
		009 Process	
		050 Received	
	<b>DTM02</b>	<b>373 Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>Not Used</b>	<b>DTM03</b>	<b>337 Time</b>	<b>X TM 4/8</b>
		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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623 Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624 Century</b>	<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250 Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
		Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251 Date Time Period</b>	<b>X AN 1/35</b>
		Expression of a date, a time, or range of dates, times or dates and times	

- 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.
- 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 = 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.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	ITA01	248	<b>Allowance or Charge Indicator</b>	M ID 1/1
			Code which indicates an allowance or charge for the service specified	
			A Allowance	
			C Charge	
			N No Allowance or Charge	
	ITA02	559	<b>Agency Qualifier Code</b>	X ID 2/2
			Code identifying the agency assigning the code values	
			TI Telecommunications Industry	
	ITA03	560	<b>Special Services Code</b>	X ID 2/10
			Code identifying the special service	
			<i>See TCIF Section 10.4 for valid values.</i>	
Must Use	ITA04	331	<b>Allowance or Charge Method of Handling Code</b>	M ID 2/2
			Code indicating method of handling for an allowance or charge	
			04 Credit Customer Account	
			06 Charge to be Paid by Customer	
			ZZ Mutually Defined	

	<b>ITA05</b>	<b>341</b>	<b>Allowance or Charge Number</b>	<b>O AN 1/16</b>
			The number assigned by a vendor referencing an allowance, promotion, deal or charge	
	<b>ITA06</b>	<b>359</b>	<b>Allowance or Charge Rate</b>	<b>O R 1/9</b>
			Allowance or Charge Rate per Unit	
	<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>	<b>O N2 1/9</b>
			Total dollar amount for the allowance or charge	
<b>Not Used</b>	<b>ITA08</b>	<b>378</b>	<b>Allowance/Charge Percent Qualifier</b>	<b>O ID 1/1</b>
			Code indicating on what basis allowance or charge percent is calculated	
	<b>ITA09</b>	<b>332</b>	<b>Percent</b>	<b>X R 1/6</b>
			Percent expressed as a percent	
	<b>ITA10</b>	<b>380</b>	<b>Quantity</b>	<b>X R 1/15</b>
			Numeric value of quantity	
	<b>ITA11</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			<i>Refer to code list provided in the ITA segment in Table 2 position 180.</i>	
<b>Not Used</b>	<b>ITA12</b>	<b>380</b>	<b>Quantity</b>	<b>O R 1/15</b>
			Numeric value of quantity	
	<b>ITA13</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
			A free-form description to clarify the related data elements and their content	
	<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>X ID 3/3</b>
			Code identifying type of special charge or allowance	
			<i>See TCIF Section 10.4 for valid values.</i>	
<b>Not Used</b>	<b>ITA15</b>	<b>822</b>	<b>Source Subqualifier</b>	<b>O AN 1/15</b>
			A reference that indicates the table or text maintained by the Source Qualifier	
	<b>ITA16</b>	<b>662</b>	<b>Relationship Code</b>	<b>O ID 1/1</b>
			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 DTM06 is required.
  - 2 If either DTM06 or DTM07 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
<b>Must Use</b>	<b>DTM01</b>	<b>374 Date/Time Qualifier</b>	<b>M ID 3/3</b>
		Code specifying type of date or time, or both date and time	
		007 Effective	
		009 Process	
	<b>DTM02</b>	<b>373 Date</b>	<b>X DT 6/6</b>
		Date (YYMMDD)	
<b>Not Used</b>	<b>DTM03</b>	<b>337 Time</b>	<b>X TM 4/8</b>
		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)	
<b>Not Used</b>	<b>DTM04</b>	<b>623 Time Code</b>	<b>O ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	<b>DTM05</b>	<b>624 Century</b>	<b>O N0 2/2</b>
		The first two characters in the designation of the year (CCYY)	
<b>Not Used</b>	<b>DTM06</b>	<b>1250 Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
		Code indicating the date format, time format, or date and time format	
<b>Not Used</b>	<b>DTM07</b>	<b>1251 Date Time Period</b>	<b>X AN 1/35</b>
		Expression of a date, a time, or range of dates, times or dates and times	

**Segment:**     **REF** Reference Numbers  
**Position:**    105  
**Loop:**        ITA     Optional  
**Level:**       Summary  
**Usage:**       Optional  
**Max Use:**     5  
**Purpose:**       To specify identifying numbers.  
**Syntax Notes:**   1    At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number.	
			12                    Billing Account	

**Segment:** **CTT Transaction Totals**  
**Position:** 110  
**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:** *The number of line items (CTT01) is the accumulation of the number of IT1 segments.*

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
			<i>Number of IT1 segments in this transaction set.</i>	
	CTT02	347	Hash Total	O R 1/10
			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.	
			<i>If used, the specified field for the Telecommunications Industry is IT104.</i>	
Not Used	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
Not Used	CTT04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	
Not Used	CTT06	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	

<b>Not Used</b>	<b>CTT07</b>	<b>352</b>	<b>Description</b>	<b>O AN 1/80</b>
			A free-form description to clarify the related data elements and their content	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 120  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**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.

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>SE01</b>	<b>96</b>	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
<b>Must Use</b>	<b>SE02</b>	<b>329</b>	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as the one cited in ST02.</i>	