# 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 Service Invoice/Statement Transaction Set (811) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the billing or reporting of complex and structured service invoice/statement 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 Service 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 a single occurrence of this transaction to invoice, or provide adjustments for one or more deliveries or service performances, provided to the Federal Government on one or more shipments.
- 2. Use to transmit commercial consolidated service invoice data only from one invoice preparing party to one invoice receiving party.
- 3. For summing rules and examples, refer to Alliance for Telecommunications Industry Solutions (ATIS) on behalf of the Ordering and Billing Forum (OBF). This information is available on the web.
- 4. Use this transaction set to transmit telecommunication consolidated service invoices to a Federal Government activity responsible for initiating the payment. This implementation convention may also be used within the Federal Government to transmit all or portions of the invoice to other activities for repayment to the activity or for information.

### **Heading:**

<b>Page No.</b> 6	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	Name Transaction Set Header	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
7	020	BIG	Beginning Segment for Invoice	M	1		
9	030	NTE	Note/Special Instruction	O	100		
10	040	CUR	Currency	O	1		
12	050	REF	Reference Identification	O	>1		
14	060	PER	Administrative Communications Contact	O	3		
16	070	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
18	080	DTM	Date/Time Reference	O	10		
19	090	TXI	Tax Information	O	>1		
			LOOP ID - N1			>1	
21	100	N1	Name	O	1		
23	110	N2	Additional Name Information	O	2		
24	120	N3	Address Information	O	2		
25	130	N4	Geographic Location	O	1		

004010D811T5 Draft April 4, 2022

26	140	REF	Reference Identification	O	12		
29	150	PER	Administrative Communications Contact	O	3		
Not Used	155	DMG	Demographic Information	O	1		
			LOOP ID - FA1			>1	
Not Used	170	FA1	LOOP ID - FA1  Type of Financial Accounting Data	О	1	>1	

# **Detail:**

Page <u>No.</u>	Pos. No.	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and Comments
			LOOP ID - HL			>1	
31	010	HL	Hierarchical Level	M	1		n1
			LOOP ID - LX			>1	
33	020	LX	Assigned Number	О	1		
Not Used	025	VEH	Vehicle Information	O	1		
34	030	SI	Service Characteristic Identification	O	8		
36	040	PID	Product/Item Description	O	200		
Not Used	045	MEA	Measurements	O	20		
37	050	REF	Reference Identification	O	>1		
40	060	AMT	Monetary Amount	O	5		
42	070	DTM	Date/Time Reference	O	8		
44	080	TXI	Tax Information	O	>1		
			LOOP ID - QTY			10	
46	090	QTY	Quantity	О	1		
49	100	SI	Service Characteristic Identification	0	1		
			LOOP ID - NM1			1	
51	110	NM1	Individual or Organizational Name	О	1		n2
53	120	N2	Additional Name Information	O	2		
54	130	N3	Address Information	O	2		
55	140	N4	Geographic Location	O	1		
56	150	REF	Reference Identification	O	2		
59	160	PER	Administrative Communications Contact	O	>1		
62	170	TXI	Tax Information	O	>1		
Not Used	175	DMG	Demographic Information	O	1		
			LOOP ID - ITA			>1	
64	180	ITA	Allowance, Charge or Service	О	1		
67	190	DTM	Date/Time Reference	O	1		
68	200	TXI	Tax Information	О	>1		
			LOOP ID - IT1			999999	
70	210	IT1	Baseline Item Data (Invoice)	О	1		n3
72	220	SI	Service Characteristic Identification	O	2		
74	230	PID	Product/Item Description	O	200		
Not Used	235	MEA	Measurements	O	20		
75	240	INC	Installment Information	O	1		
77	250	TXI	Tax Information	О	>1		

70	260	DEE	D. C. H. C. C.	0	0		
79	260	REF	Reference Identification	0	8		
81	270	DTM	Date/Time Reference	0	10		
83	280	MSG	Message Text	0	>1		
84	285	AMT	Monetary Amount	0	1		
			LOOP ID - QTY			>1	
85	290	QTY	Quantity	О	1		
88	300	SI	Service Characteristic Identification	0	1		
			LOOP ID - ITA			10	
90	310	ITA	Allowance, Charge or Service	0	1		
93	320	DTM	Date/Time Reference	0	1		
94	330	TXI	Tax Information	0	>1		
			LOOP ID - NM1			>1	
96	340	NM1	Individual or Organizational Name	0	1		
98	350	N2	Additional Name Information	0	2		
99	360	N3	Address Information	0	2		
100	370	N4	Geographic Location	0	1		
101	380	PER	Administrative Communications Contact	0	3		
Not Used	385	NX2	Location ID Component	0	>1	n4	
Not Used	387	DMG	Demographic Information	0	1		
1100 0000	20,	21.10			•		
104	200	CLAI	LOOP ID - SLN			>1	
104	390	SLN	Subline Item Detail	0	1	n5	
107	400	SI	Service Characteristic Identification	0	10		
109	410	PID	Product/Item Description	0	200		
Not Used	415	MEA	Measurements	0	20		
110	420	CUR	Currency	0	1		
112	430	INC	Installment Information	0	1		
114	440	ITA	Allowance, Charge or Service	О	10		
117	450	TXI	Tax Information	О	>1		
119	460	REF	Reference Identification	0	>1		
121	470	PER	Administrative Communications Contact	0	3		
124	480	DTM	Date/Time Reference	0	10		
126	490	AMT	Monetary Amount	О	15		
128	500	MSG	Message Text	0	>1		
			LOOP ID - QTY			>1	
129	510	QTY	Quantity	O	1		
132	520	SI	Service Characteristic Identification	O	1		
			LOOP ID - NM1			>1	
134	530	NM1	Individual or Organizational Name	0	1		
136	540	N2	Additional Name Information	O	2		
137	550	N3	Address Information	O	2		
138	560	N4	Geographic Location	O	1		
139	570	REF	Reference Identification	O	8		
141	580	PER	Administrative Communications Contact	O	3		
Not Used	585	DMG	Demographic Information	O	1		
			LOOP ID - TCD			>1	
			LOOF ID - ICD			>1	

143	590	TCD	Itemized Call Detail	O	1	n6
146	600	SI	Service Characteristic Identification	O	2	
148	610	TXI	Tax Information	O	>1	
150	615	ITA	Allowance, Charge or Service	O	>1	
			LOOP ID - QTY			>1
153	617	QTY	Quantity	О	1	
156	618	SI	Service Characteristic Identification	O	1	
			LOOP ID - USD			>1
158	620	USD	Usage-Sensitive Detail	О	1	n7
162	625	SI	Service Characteristic Identification	O	2	
164	630	ITA	Allowance, Charge or Service	O	2	
167	640	TRF	Rating Factors	O	18	
			LOOP ID - QTY			>1
170	650	QTY	Quantity	О	1	
173	660	SI	Service Characteristic Identification	O	1	
			LOOP ID - III			>1
Not Used	670	III	Information	О	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	
			LOOP ID - LQ			>1
Not Used	710	LQ	Industry Code	О	1	
Not Used	720	AMT	Monetary Amount	O	5	
Not Used	730	PCT	Percent Amounts	O	5	
			LOOP ID - FA1			>1
Not Used	740	FA1	Type of Financial Accounting Data	О	1	
Not Used	750	FA2	Accounting Data	M	>1	

# **Summary:**

<b>Page</b> <u><b>No.</b></u> 175	Pos. <u>No.</u> 010	Seg. <u>ID</u> TDS	Name Total Monetary Value Summary	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments
			LOOP ID - ITA			>1	
176	020	ITA	Allowance, Charge or Service	O	1		
179	030	DTM	Date/Time Reference	O	1		
180	035	REF	Reference Identification	O	5		
			LOOP ID - BAL			>1	
181	040	BAL	Balance Detail	O	1		
182	050	DTM	Date/Time Reference	O	1		
			LOOP ID - N1			>1	
183	060	N1	Name	O	1		
			LOOP ID - BAL			>1	
184	070	BAL	Balance Detail	О	1		
185	080	DTM	Date/Time Reference	0	1		

			LOOP ID - ITA			>1
186	090	ITA	Allowance, Charge or Service	O	1	
189	100	DTM	Date/Time Reference	O	2	
Not Used	102	AMT	Monetary Amount	O	1	
190	103	SI	Service Characteristic Identification	O	2	
192	105	REF	Reference Identification	O	5	
Not Used	106	CUR	Currency	O	1	
			LOOP ID - LX			>1
194	107	LX	Assigned Number	О	1	
195	108	REF	Reference Identification	O	1	
			LOOP ID - AMT			>1
196	109	AMT	Monetary Amount	O	1	
197	110	DTM	Date/Time Reference	O	1	
			LOOP ID - ITA			>1
198	111	ITA	Allowance, Charge or Service	O	1	
200	112	DTM	Date/Time Reference	O	1	
201	115	CTT	Transaction Totals	О	1	n8
202	120	SE	Transaction Set Trailer	M	1	

### **Transaction Set Notes**

- 1. Valid codes for HL03 to define levels for this transaction set are given below: 1 Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 Billing Arrangement (Identifies a Specific Billing Arrangement) 3 Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 Group (Identifies a Group of Charges on the Bill) 5 Category (Identifies the Subdivision of the Group) 6 Subcategory (Identifies a Further Breakdown of the Category) 7 Type (Identifies a Further Breakdown of the Subcategory) 8 Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the service/billing provider level and group level is required.
- 2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
- 3. The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- **4.** The NX2 segment is used to convey parsed address information.
- 5. The SLN loop may only appear at the charge detail level.
- 6. The TCD loop may only appear at the line detail level.
- 7. The USD loop may only appear at the line detail level.
- **8.** 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:

**Purpose:** To indicate the start of a transaction set and to assign a control number

Syntax Notes: Semantic Notes:

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:** 

M	Ref. <u>Des.</u> ST01	Data Element 143	Name Transaction Set Identifier Code	Attı M	ributes ID 3/3
			Code uniquely identifying a Transaction Set 811 Consolidated Service Invoice/Statement		
M	ST02	329	Transaction Set Control Number	M	AN 4/9
			Identifying control number that must be unique within the tra- functional group assigned by the originator for a transaction s		ion set

Segment: BIG Beginning Segment for Invoice

**Position:** 020

Loop:

Level: Heading Usage: Mandatory

Max Use:

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**

M	Ref. <u>Des.</u> BIG01	Data <u>Element</u> 373	Name Date	Attributes M DT 8/8
			Date expressed as CCYYMMDD	
M	BIG02	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
			OBF recommends that this number be unique. used to make this number unique is to join the a invoice date.	•
	BIG03	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	BIG04	324	Purchase Order Number	O AN 1/22
Not Used	BIG05	328	Release Number	O AN 1/30
Not Used	BIG06	327	Change Order Sequence Number	O AN 1/8
	BIG07	640	Transaction Type Code	O ID 2/2

Code specifying the type of transaction

26	Miscellaneous Services Invoice
CD	Consolidated Debit Invoice
CE	Consolidated Credit Invoice
CF	Consolidated Debit Memo
CG	Consolidated Credit Memo
CI	Consolidated Invoice
CM	Call Detail Memo
CN	Credit Invoice
CO	Corrected
CR	Credit Memo
DI	Debit Invoice
DR	Debit Memo
FB	Final Bill
FD	Consolidated Invoice, Final Bill
FE	Memorandum, Final Bill
FI	First Cost Invoice

Not Used	BIG10	<b>76</b>	<b>Invoice Number</b>		O	AN 1/22
Not Used	BIG09	306	<b>Action Code</b>		0	ID 1/2
			05	Replace		
			01	Cancellation		
			00	Original		
			Code identifying p	urpose of transaction set		
	BIG08	G08 353	Transaction Set Purpose Code		O	ID 2/2
			RG	Revised Final Bill		
			ME	Memorandum		

 ${f NTE}$  Note/Special Instruction **Segment:** 

**Position:** 

Loop:

Level: Heading Usage: Optional Max Use:

To transmit information in a free-form format, if necessary, for comment or special **Purpose:** 

instruction

**Syntax Notes: Semantic Notes:** 

**Comments:** 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**

	Ref.	Data		<u>-</u>		
	Des.	<b>Element</b>	<u>Name</u>		Attr	<u>ibutes</u>
	NTE01	363	<b>Note Reference C</b>	ode	O	ID 3/3
			Code identifying th	ne functional area or purpose for which the	note	applies
			ADD	Additional Information		
			GEN	Entire Transaction Set		
			INV	Invoice Instruction		
			OTH	Other Instructions		
			PRI	Priority		
			TIL	Tariff Index		
			TLF	Tariff Rule		
			TRF	Tariff Rate Footnotes		
			TSF	Tariff Section Footnotes		
M	NTE02	352	Description		M	AN 1/80
			A free-form descrip	ption to clarify the related data elements a	nd the	ir content

NTE02 must be used if NTE01 is used.

	Segment:		R Currency		
	Position:	040			
	Loop: Level:	Heading			
	Usage:	Optional			
	Max Use:	1			
	Purpose:			llars, pounds, francs, etc.) used in a transact	ion
	Syntax Notes:			en CUR07 is required.	
				en CUR07 is required.	: J
				nen at least one of CUR11 or CUR12 is required.	irea.
				en CUR10 is required.	
			-	tien at least one of CUR14 or CUR15 is requ	ired.
		7 If C		en CUR13 is required.	
				en CUR13 is required.	
				en at least one of CUR17 or CUR18 is requ	ired.
				nen CUR16 is required. nen CUR16 is required.	
				ien cokto is required. ien at least one of CUR20 or CUR21 is requ	ired
				ten CUR19 is required.	irea.
				nen CUR19 is required.	
	Semantic Notes:				
	<b>Comments:</b>			for examples detailing the use of the CUR s	ŭ .
	Notes:	Use this	1/CUR/040 segmen	nt to identify the currency in which payme	nt is requested.
			Data Ele	ement Summary	
	Ref.	Data	2 210		
	Des.	<b>Element</b>	<u>Name</u>		<b>Attributes</b>
M	CUR01	98	<b>Entity Identifier</b>	Code	M ID 2/3
			Code identifying individual	an organizational entity, a physical location	, property or an
			BY	Buying Party (Purchaser)	
M			BY PR	Buying Party (Purchaser) Payer	
	CUR02	100	PR Currency Code	Payer	M ID 3/3
	CUR02	100	PR Currency Code		
	CUR02	100	PR Currency Code Code (Standard II CAD Canada, I	Payer  SO) for country in whose currency the charge that the c	
	CUR02	100	PR Currency Code Code (Standard II CAD Canada, I	Payer SO) for country in whose currency the charge	
	CUR02	100	PR Currency Code Code (Standard IS CAD Canada, I USD United Sta	Payer  SO) for country in whose currency the charge of America, Dollars	ges are specified
			PR Currency Code Code (Standard IS CAD Canada, I USD United Sta	Payer  SO) for country in whose currency the charge that the c	ges are specified
	CUR02	100 280	PR Currency Code Code (Standard II CAD Canada, I USD United Sta For additional va Exchange Rate	Payer  SO) for country in whose currency the charge of the	ges are specified  ot.  O R 4/10
			PR Currency Code Code (Standard II CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used	Payer  SO) for country in whose currency the charge of the	ges are specified  ot.  O R 4/10
			PR Currency Code Code (Standard IS CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used from one currency	Payer  SO) for country in whose currency the charge of the	ges are specified  ot.  O R 4/10
	CUR03	280	PR Currency Code Code (Standard IS CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used from one currency Entity Identifier Code identifying	Payer  SO) for country in whose currency the charge of the	or.  O R 4/10  monetary value  O ID 2/3
	CUR03	280	PR Currency Code Code (Standard IS CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used from one currency Entity Identifier	Payer  SO) for country in whose currency the charge of America, Dollars  alues, request ISO 4217 Currency Code Lisus as a multiplier conversion factor to convert y to another  Code	or.  O R 4/10  monetary value  O ID 2/3
	CUR03	280	PR Currency Code Code (Standard Is CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used from one currency Entity Identifier Code identifying individual	Payer  SO) for country in whose currency the charge of America, Dollars  Alues, request ISO 4217 Currency Code Lise as a multiplier conversion factor to convert y to another  Code  an organizational entity, a physical location	of.  O R 4/10  monetary value  O ID 2/3  , property or an
	CUR03	280	PR Currency Code Code (Standard IS CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used from one currency Entity Identifier Code identifying individual PE PM	Payer  SO) for country in whose currency the charge of America, Dollars alues, request ISO 4217 Currency Code List as a multiplier conversion factor to convert y to another  **Code** an organizational entity, a physical location Payee  Party to receive paper Memo of Invoice	of.  O R 4/10  monetary value  O ID 2/3  , property or an
	CUR03	280	PR Currency Code Code (Standard IS CAD Canada, I USD United Sta For additional va Exchange Rate Value to be used from one currency Entity Identifier Code identifying individual PE	Payer  SO) for country in whose currency the charge of America, Dollars  alues, request ISO 4217 Currency Code List as a multiplier conversion factor to convert y to another  Code  an organizational entity, a physical location  Payee	of.  O R 4/10  monetary value  O ID 2/3  , property or an

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

O ID 3/3

Service Provider

SJ

100

**Currency Code** 

CUR05

				a, Dollars
			USD United	States of America, Dollars
			For additiona	l values, request ISO 4217 Currency Code List.
	CUR06	669		rket/Exchange Code O ID 3/3
				ng 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 Qu	
	CCIO	0,.		ng type of date or time, or both date and time
			001	Cancel After
			003	Invoice
			007	Effective
			007	Effective date of exchange
			009	Process
			035	Delivered
			092	Contract Effective
			092	
				Contract Expiration
			102 150	Issue Service Period Start
			151	Service Period End
			152	Effective Date of Change
			153	Service Interruption
			154	Adjustment Period Start
	CITIDAA	252	155 D	Adjustment Period End
	CUR08	373	Date	O DT 8/8
	CLIDAG	225	=	d as CCYYMMDD
	CUR09	337	Time	O TM 4/8
				od in 24-hour clock time as follows: HHMM, or HHMMSS, or or HHMMSSDD, where H = hours (00-23), M = minutes (00-
				er seconds (00-59) and DD = decimal seconds; decimal seconds
				as follows: $D = tenths (0-9)$ and $DD = hundredths (00-99)$
Not Used	CUR10	374	Date/Time Qu	
Not Used	CUR11	373	Date	X DT 8/8
Not Used	CUR12	337	Time	X TM 4/8
Not Used	CUR13	374	Date/Time Qu	ualifier X ID 3/3
Not Used	CUR14	373	Date	X DT 8/8
Not Used	CUR15	337	Time	X TM 4/8
Not Used	CUR16	374	Date/Time Qu	
Not Used	CUR17	373	Date	X DT 8/8
Not Used	CUR18	337	Time	X TM 4/8
Not Used	CUR19	374	Date/Time Qu	
Not Used	CUR20	373	Date	X DT 8/8
Not Used	CUR21	337	Time	X TM 4/8
1,000000		001		12 11/1 T/U

REF Reference Identification **Segment:** 

**Position:** 

Loop:

Level: Heading Usage: Optional Max Use:

To specify identifying information **Purpose:** 

At least one of REF02 or REF03 is required. **Syntax Notes:** 

If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:** 

			Data Elem	ent Summary		
	Ref.	Data	NT.		<b>A</b> 44	•1
M	<u>Des.</u> REF01	Element 128	Name Reference Identific	eation Qualifier		ributes ID 2/3
141	KLI VI	120		Reference Identification	111	10 2/0
			11	Account Number		
			12	Billing Account		
			14	Master Account Number		
			8M	Originating Company Identifier		
			8N	Receiving Company Identifier		
			AAO	Carrier Assigned Code		
			ACC	Status		
				Use to indicate Draft status; enter 'Dr	aft' in	REF02.
			AP	Accounts Receivable Number		
			BB	Authorization Number		
			BF	Billing Center Identification		
			BLT	Billing Type		
			CR	Customer Reference Number		
			CT	Contract Number		
			DO	Delivery Order Number		
			E9	Attachment Code		
			EH	Financial Classification Code		
			FS	Final Sequence Number		
			НВ	Bill & Hold Invoice Number		
			IV	Seller's Invoice Number		
			KL	Contract Reference		
			LJ	Local Jurisdiction		
			LU	Location Number		
			P4	Project Code		
			PO	Purchase Order Number		
			R0	Regiristo Federal de Contribuyentes (M Tax ID Number)	1exica:	n Federal
			RE	Release Number		
			SI	Shipper's Identifying Number for Shipp	ment (	SID)
			SU	Special Processing Code		

			V0	Version		
			VN	Vendor Order Number		
			YN	Receiver ID Qualifier		
			ZH	Carrier Assigned Reference Number		
			ZZ	Mutually Defined		
	REF02	127	Reference Ide	entification	X	AN 1/30
				ormation as defined for a particular Transacti he Reference Identification Qualifier	on Set o	or as
	REF03	352	<b>Description</b>	ne reference fuendmenton Quantier	X	AN 1/80
			A free-form d	lescription to clarify the related data elements	and the	eir content
	REF04	C040	Reference Ide	entifier	O	
			•	ne or more reference numbers or identification he Reference Qualifier	n numbe	ers as
M	C04001	128		entification Qualifier	M	ID 2/3
			Code qualifyi	ng the Reference Identification		
			ACB	Region		
			BLT	Billing Type		
			SU	Special Processing Code		
M	C04002	127	Reference Ide	entification	M	AN 1/30
				ormation as defined for a particular Transacti	on Set o	or as
	C04002	120		he Reference Identification Qualifier	•	ID 2/2
	C04003	128		entification Qualifier	X	ID 2/3
				ng the Reference Identification		
	C04004	125	SU Defenses II	Special Processing Code	•	A NI 1/20
	C04004	127	Reference Id		X	AN 1/30
				ormation as defined for a particular Transacti he Reference Identification Qualifier	on Set (	or as
Not Used	C04005	128		entification Qualifier	X	ID 2/3
Not Used	C04006	127	Reference Ide	_	X	AN 1/30

PER Administrative Communications Contact **Segment:** 

**Position:** 

Loop:

Level: Heading Usage: Optional Max Use:

**Purpose:** 

To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** If either PER03 or PER04 is present, then the other is required.

- If either PER05 or PER06 is present, then the other is required.
- If either PER07 or PER08 is present, then the other is required.

**Semantic Notes: Comments:** 

			Data Ele	ement Summary		
	Ref.	Data	N.T.			•
M	<u>Des.</u> PER01	<b>Element 366</b>	Name Contact Function	on Code	Atti M	<u>ributes</u> ID 2/2
141	ILKUI	300		the major duty or responsibility of the pers		
			AR	Accounts Receivable Department	011 01	group numeu
			CC	Computer Systems Contact		
			OD	Order Department		
	PER02	93	Name	Gruei Department	0	AN 1/60
	1 22102	,,,	Free-form name		Ü	121 ( 2/00
	PER03	365		n Number Qualifier	X	ID 2/2
				the type of communication number		
			AU	Defense Switched Network		
				This code is to be used only within the	feder	ral
				government.	•	
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
	PER04	364	Communication	n Number	X	AN 1/80
	PER04	364		n Number unications number including country or area		
	PER04 PER05	364 365	Complete commu			
			Complete communication	unications number including country or area	a code	when
			Complete communication	unications number including country or area  Number Qualifier	a code	when
			Complete communication Code identifying	unications number including country or area  Number Qualifier  the type of communication number	a code	when ID 2/2
			Complete communication Code identifying	unications number including country or area  a Number Qualifier  the type of communication number  Defense Switched Network  This code is to be used only within the	a code	when ID 2/2
			Complete common applicable Communication Code identifying AU	unications number including country or area  a Number Qualifier  the type of communication number  Defense Switched Network  This code is to be used only within the government.	a code	when ID 2/2
			Complete communication Communication Code identifying AU EM	n Number Qualifier the type of communication number Defense Switched Network This code is to be used only within the government. Electronic Mail	a code	when ID 2/2
			Complete common applicable Communication Code identifying AU  EM FX	n Number Qualifier the type of communication number Defense Switched Network This code is to be used only within the government. Electronic Mail Facsimile Telephone	a code	when ID 2/2
	PER05	365	Complete common applicable Communication Code identifying AU  EM FX TE Communication	n Number Qualifier the type of communication number Defense Switched Network This code is to be used only within the government. Electronic Mail Facsimile Telephone	X  feder  X	when ID 2/2 al AN 1/80
	PER05	365	Complete common applicable Communication Code identifying AU  EM FX TE Communication Complete common applicable	n Number Qualifier the type of communication number Defense Switched Network This code is to be used only within the government. Electronic Mail Facsimile Telephone Number	X  feder  X	when ID 2/2 al AN 1/80
	PER05	365 364	Complete common applicable Communication Code identifying AU  EM FX TE Communication Complete common applicable Communication	n Number Qualifier the type of communication number Defense Switched Network This code is to be used only within the government. Electronic Mail Facsimile Telephone Number unications number including country or area	X  X  X  A code	when ID 2/2 al AN 1/80 when
	PER05	365 364	Complete common applicable Communication Code identifying AU  EM FX TE Communication Complete common applicable Communication	n Number Qualifier the type of communication number Defense Switched Network This code is to be used only within the government. Electronic Mail Facsimile Telephone Number unications number including country or area Number Qualifier	X  X  X  A code	when ID 2/2 al AN 1/80 when

			TE Telephone		
	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or	area code	when
			applicable		
Not Used	PER09	443	Contact Inquiry Reference	O	AN 1/20

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 Elem	ent Summary		
Ref.	Data				
Des.	<b>Element</b>	<u>Name</u>		Attı	<u>ributes</u>
ITD01	336	Terms Type Code		O	ID 2/2
		Code identifying ty	pe of payment terms		
		03	Fixed Date		
		08	Basic Discount Offered		
		10	Instant		
		18	Fixed Date, Late Payment Penalty Appl	ies	
		22	Cash Discount Terms Apply		
ITD02	333	Terms Basis Date	Code	O	ID 1/2
		Code identifying the	e beginning of the terms period		
		3	Invoice Date		
		5	Invoice Receipt Date		
ITD03	338	Terms Discount Pe	ercent	O	R 1/6
		Terms discount per	centage, expressed as a percent, available	to the	e purchaser if
			n or before the Terms Discount Due Date		
ITD04	370	Terms Discount D		X	<b>DT 8/8</b>
			e if discount is to be earned expressed in f	orma	ıt
ITD05	351	CCYYMMDD	ovia Duo	X	N0 1/3
11105	351	Terms Discount Da	•		
		discount is earned	the terms discount period by which payme	ent is	due 11 terms
ITD06	446	Terms Net Due Da	te	o	DT 8/8
		Date when total inv	oice amount becomes due expressed in fo	rmat	
		CCYYMMDD	•		
		Date after which L	ate Payment Charge applies.		
ITD07	386	Terms Net Days		O	N0 1/3
		Number of days unt	il total invoice amount is due (discount ne	ot app	plicable)
ITD08	362	Terms Discount A	mount	O	N2 1/10
		Total amount of terr	ms discount		
ITD09	388	Terms Deferred D	ue Date	O	<b>DT</b> 8/8
		Date deferred paym CCYYMMDD	ent or percent of invoice payable is due e	xpres	sed in format

	ITD10	389	Deferred Am	ount Due	X	N2 1/10
			Deferred amou	ant due for payment		
			Put Late Payn	Put Late Payment Charge here until X12 approves addition		
	ITD11	342	Percent of Inv	voice Payable	X	R 1/5
			Amount of inv	oice payable expressed in percent		
Not Used	ITD12	352	Description		O	AN 1/80
	ITD13	765	Day of Month	ı	X	N0 1/2
			The numeric v the month beir	alue of the day of the month between 1 and the referenced	e max	simum day of
	ITD14	107	Payment Met	hod Code	O	ID 1/2
			Code identifyi	ng type of payment procedures		
			AC	Credit Card		
			C	Pay By Check		
			E	Electronic Payment System		
	ITD15	954	Percent		O	R 1/10
			Percentage exp	pressed as a decimal		
			Late payment	percentage.		

Segment: DTM Date/Time Reference

**Position:** 080

Loop:

Level: Heading Usage: Optional Max Use: 10

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

If either DTM05 or DTM06 is present, then the other is required.

3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** 

**Comments:** 

Notes: To specify billing period.

	Ref.	Data		•		
	Des.	<b>Element</b>	<u>Name</u>		Attı	<u>ributes</u>
M	DTM01	374	Date/Time Qualifi	er	M	ID 3/3
			Code specifying typ	be of date or time, or both date and time		
			186	Invoice Period Start		
			187	Invoice Period End		
	DTM02	373	Date		X	<b>DT 8/8</b>
			Date expressed as C	CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	DTM05	1250	<b>Date Time Period</b>	Format Qualifier	$\mathbf{X}$	ID 2/3
Not Used	DTM06	1251	<b>Date Time Period</b>		X	AN 1/35

TXI Tax Information **Segment: Position:** Loop:

Level: Heading Usage: Optional Max Use:

**Purpose:** To specify tax information

**Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required.

If either TXI04 or TXI05 is present, then the other is required.

3 If TXI08 is present, then TXI03 is required.

**Semantic Notes:** 1 TXI02 is the monetary amount of the tax.

TXI03 is the tax percent expressed as a decimal.

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

### **Comments:**

			Data Element Summary		
M	Ref. <u>Des.</u> TXI01	Data Element 963	Name Tax Type Code Code presificing the type of tay		ributes ID 2/2
			Code specifying the type of tax		
			Use any code. The following codes are preferred:  CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service UL License Tax ZE 911-Tax Refer to 004010 Data Element Dictionary for acceptable codes		ies.
Not Used	TXI02	782	Monetary Amount	X	R 1/18
	TXI03	954	Percent	X	R 1/10
			Percentage expressed as a decimal		
			Tax rate for this tax jurisdiction.		
	TXI04	955	Tax Jurisdiction Code Qualifier	X	ID 2/2
			Code identifying the source of the data used in tax jurisdiction		
	(DX/10 =	0.5	Refer to 004010 Data Element Dictionary for acceptable code		
	TXI05	956	Tax Jurisdiction Code	X	AN 1/10
	TXI06	441	Code identifying the taxing jurisdiction  Tax Exempt Code  Code identifying exemption status from sales and use tax	X	ID 1/1
			• •		

		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
TXI07	662	Relationship Code	e	O	ID 1/1
		Code indicating the	e relationship between entities		
		A	Add		
		D	Delete		
		O	Information Only		
TXI08	828	Dollar Basis For l	Percent	O	R 1/9
		Dollar basis to be utax	used in the percent calculation of the allow	ance,	charge or
TXI09	325	Tax Identification	Number	O	AN 1/20
			o a purchaser (buyer, orderer) by a taxing called a tax exemption number or certific		
TXI10	350	Assigned Identific	cation	O	AN 1/20
		Alphanumeric char	racters assigned for differentiation within	a trans	saction set

Segment: N1 Name

**Position:** 100

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** 1 At least one of N102 or N103 is required.

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 Eleme	nt Summary		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		<u>Attr</u>	<u>ibutes</u>
M	N101	98	<b>Entity Identifier Co</b>	ode	M	ID 2/3
			Code identifying an	organizational entity, a physical location,	prop	erty or an
			individual			
			AAA	Sub-account		
			BY	Buying Party (Purchaser)		
			C4	Contract Administration Office		
			L1	Inspection Location		
			PE	Payee		
			PO	Party to Receive Invoice for Goods or Se	ervice	es
			PR	Payer		
			SV	Service Performance Site		
	N102	93	Name		$\mathbf{X}$	AN 1/60
			Free-form name			
	N103	66	<b>Identification Code</b>	Qualifier	X	ID 1/2
			Code designating the Code (67)	e system/method of code structure used for	or Ide	ntification
			10	Department of Defense Activity Address (DODAAC)	s Cod	le
				This code is to be used only within the f government.	edera	al
			33	Commercial and Government Entity (CA	(GE)	
				This code is to be used only within the f government.	edera	al
			40	Electronic Mail User Code		
			41	Telecommunications Carrier Identification	on Co	ode
			42	Telecommunications Pseudo Carrier Ide	ntific	ation Code
			91	Assigned by Seller or Seller's Agent		
			92	Assigned by Buyer or Buyer's Agent		
			A2	Military Assistance Program Address Co	ode (1	MAPAC)
			EF	Electronic Funds Transfer ID Number		
			UE	Unique Entity Identifier		
	N104	67	<b>Identification Code</b>		X	AN 2/80

# Code identifying a party or other code

			If N103 = '41' use CIC code list maintained by 1'42' use Pseudo-CIC list provided in OBF Section		. If N103 =
Not Used	N105	706	<b>Entity Relationship Code</b>	O	ID 2/2
Not Used	N106	98	<b>Entity Identifier Code</b>	0	ID 2/3

Segment: N2 Additional Name Information

**Position:** 110

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use:

**Purpose:** To specify additional names or those longer than 35 characters in length

Syntax Notes: Semantic Notes: Comments:

M	Ref. <u>Des.</u> N201	Data Element 93	Name Name	<u>Attributes</u> M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			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:

M	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information	Attributes M AN 1/55
			Address information	
	N302	166	<b>Address Information</b>	O AN 1/55
			Address information	

Segment: N4 Geographic Location

**Position:** 130

Loop: N1 Optional

Level: Heading Usage: Optional

Max Use:

**Purpose:** To specify the geographic place of the named party

Syntax Notes: Semantic Notes: Comments: 1 If N406 is present, then N405 is required.

- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

R	ef.	Data		•		
$\mathbf{D}$	es.	<b>Element</b>	<u>Name</u>		<u>Attr</u>	<u>ibutes</u>
N <sup>4</sup>	401	19	City Name		O	AN 2/30
			Free-form text for ci	ty name		
N4	402	156	State or Province C	Code	O	ID 2/2
			Code (Standard Stat	e/Province) as defined by appropriate gov	ernn	nent agency
N4	403	116	Postal Code		0	ID 3/15
			Code defining interr (zip code for United	national postal zone code excluding punct States)	uatio	n and blanks
N4	404	26	<b>Country Code</b>		O	ID 2/3
			Code identifying the	country		
N4	405	309	<b>Location Qualifier</b>		X	ID 1/2
			Code identifying typ	be of location		
			AC	City and State		
			AR	Armed Services Location Designation		
			CC	Country		
			CI	City		
			SP	State/Province		
N	406	310	<b>Location Identifier</b>		O	AN 1/30
			Code which identifie	es a specific location		

REF Reference Identification **Segment:** 

**Position:** 

Loop: N1 Optional

Level: Heading Usage: Optional Max Use: 12

**Purpose:** To specify identifying information

**Syntax Notes:** At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:** 

			<b>Data Elem</b>	ent Summary	
	Ref.	Data			
3.4	Des.	Element 120	Name	4. O 116.	Attributes
M	REF01	128	Reference Identifie	_	M ID 2/3
				Reference Identification	
			01	American Bankers Assoc. (ABA) Tran- Number (Including Check Digit, 9 Digit	its)
			03	Clearing House Interbank Payment Sys Participant Number (3 or 4 Digits)	tem (CHIPS)
			05	Clearing House Interbank Payment Sys Identification (6 digits)	tem (CHIPS) User
			10	Account Managers Code	
			13	Horizontal Coordinate	
			15	Vertical Coordinate	
			1J	Facility ID Number	
			4L	Location-specific Services Reference N	lumber
			6R	Provider Control Number	
			7I	Subscriber Authorization Number	
			8M	Originating Company Identifier	
			8N	Receiving Company Identifier	
			AAO	Carrier Assigned Code	
			BC	Buyer's Contract Number	
			BF	Billing Center Identification	
			BLT	Billing Type	
			CA	Cost Allocation Reference	
			CO	Customer Order Number	
			CR	Customer Reference Number	
			CT	Contract Number	
			DP	Department Number	
			EF	Electronic Funds Transfer ID Number	
			EM	Electronic Payment Reference Number	
			EU	End User's Purchase Order Number	
			GC	Government Contract Number	
			GT	Goods and Service Tax Registration Nu	ımber
			IS	Invoice Number Suffix	

			IT	Internal Customer Number		
			IV	Seller's Invoice Number		
			LB	Lockbox		
			LJ	Local Jurisdiction		
			LU	Location Number		
			NP	Partial Payment Number		
			OI	Original Invoice Number		
			OP	Original Purchase Order		
			OR OR	_		
			P4	Order/Paragraph Number		
			PO	Project Code Purchase Order Number		
			PX	Previous Invoice Number		
			RO	Repetitive Booking Number	D	N
			RT	Payee's Financial Institution Transit l Check, Draft or Wire Payments. Reco Financial Institution Transit Routing	eiving D	epository
				Transfers		
			SE	Serial Number		
			SU	Special Processing Code		
			SX	Service Interrupt Tracking Number		
			TF	Transfer Number	_	
			TJ	Federal Taxpayer's Identification Nur	mber	
			V0	Version		
			VC	Vendor Contract Number		
			VN	Vendor Order Number		
			VR	Vendor ID Number		
			YN	Receiver ID Qualifier		
			ZH	Carrier Assigned Reference Number		
	REF02	127	Reference Ident		X	AN 1/30
				nation as defined for a particular Transact	ion Set o	or as
	REF03	352	<b>Description</b>	Reference Identification Qualifier	X	AN 1/80
	1111 00	002	_	ription to clarify the related data elements		
	REF04	C040	Reference Ident	-	0	
	222 0 1		To identify one of	or more reference numbers or identificatio Reference Qualifier		ers as
M	C04001	128	Reference Ident	ification Qualifier	$\mathbf{M}$	ID 2/3
			Code qualifying	the Reference Identification		
			ACB	Region		
M	C04002	127	Reference Ident	ification	$\mathbf{M}$	AN 1/30
	C04003	128	specified by the l	nation as defined for a particular Transact Reference Identification Qualifier ification Qualifier	ion Set o	or as ID 2/3
	C04003	120		the Reference Identification	11	11 HV
			ACB	Region		
	C04004	127	Reference Ident	_	X	AN 1/30
	O-1004	3. m l		nation as defined for a particular Transact		
				Reference Identification Qualifier	.511 501 (	40

Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
Not Used	C04006	127	Reference Identification	X	AN 1/30

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.

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**

			Data	<b>Element Summary</b>		
	Ref. <u>Des.</u>	Data Element	<u>Name</u>			ributes
M	PER01	366	Contact Fund	ction Code	M	ID 2/2
			Code identify:	ing the major duty or responsibility of the person	on or	group named
			AR	Accounts Receivable Department		
			BI	Bill Inquiry Contact		
			IC	Information Contact		
			OD	Order Department		
			TR	Technical Marketing Representative		
	PER02	93	Name		O	AN 1/60
			Free-form nar	ne		
	PER03	365	Communicat	ion Number Qualifier	X	ID 2/2
			Code identify:	ing the type of communication number		
			AU	Defense Switched Network		
				This code is to be used only within the government.	feder	al
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
	PER04	364	Communicat	ion Number	X	AN 1/80
			Complete con applicable	nmunications number including country or area	code	when
			Complete con applicable.	nmunications number including country or ar	ea co	de when
	PER05	365	Communicat	tion Number Qualifier	X	ID 2/2
			Code identify:	ing the type of communication number		
			AU	Defense Switched Network		
				This code is to be used only within the	feder	al
			FD 6	government.		
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
	PER06	364	Communicat		X	AN 1/80
			Complete con	nmunications number including country or area	a code	when

applicable

Not Used

PER07	365	Communication N	Number Qualifier X	]	ID 2/2
		Code identifying th	ne type of communication number		
		AA	International Telephone Access Code		
		AB	Joint Facsimile and Phone Number		
		AC	Message Only Voice Number		
		AD	Delivery Location Phone		
		AP	Alternate Telephone		
		AS	Answering Service		
		AU	Defense Switched Network		
		BN	Beeper Number		
		BT	BTX Number		
		CA	Cable		
		CP	Cellular Phone		
		DN	Defense Data Network (DDN)		
		ED	Electronic Data Interchange Access Number	r	
		EM	Electronic Mail		
		EX	Telephone Extension		
		FT	Federal Telecommunications System (FTS)		
		FU	Facsimile User Identifier		
		FX	Facsimile		
		HF	Home Facsimile Number		
		HP	Home Phone Number		
		IT	International Telephone		
		MN	Modem Number		
		NP	Night Telephone		
		OF	Other Residential Facsimile Number		
		OT	Other Residential Telephone Number		
		PA	Appointment Phone		
		PC	Personal Cellular		
		PP	Personal Phone		
		PS	Packet Switching		
		SP	Showing Phone		
		TE	Telephone		
		TL	Telex		
		TM	Telemail		
		TN	Teletex Number		
		TX	TWX		
		UR	Uniform Resource Locator (URL)		
		VM	Voice Mail		
		WC	Work Cellular		
		WF	Work Facsimile Number		
		WP	Work Phone Number		
PER08	364	Communication N	Number X	1	AN 1/80
		Complete commun applicable	ications number including country or area cod	le w	vhen
PER09	443	Contact Inquiry F	Reference O	1	AN 1/20

Segment: HL Hierarchical Level

**Position:** 010

Loop: HL Mandatory

Level: Detail Usage: Mandatory

Max Use:

Purpose: To identify dependencies among and the content of hierarchically related groups of data

segments

Syntax Notes: Semantic Notes: Comments:

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

The HL segment defines a top-down/left-right ordered structure.

- 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
- 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
- 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
- 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Notes:

- 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.

M	Ref. <u>Des.</u> HL01	Data Element 628	<u>Name</u> Hierarchical ID Number	Attı M	ributes AN 1/12		
			A unique number assigned by the sender to identify a particul in a hierarchical structure  Sequential number assigned to this HL segment.	ar da	ita segment		
	HL02	734	Hierarchical Parent ID Number	O	AN 1/12		
2202			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to <i>Not used at HL1 (Service Provider)</i> .				
M	HL03	735	Hierarchical Level Code	M	ID 1/2		
			Code defining the characteristic of a level in a hierarchical structure				
			Use any code. Listed codes are preferred.  1 Service/Billing Provider				

2 Billing Arrangement This level can only b

This level can only be used as a subordinate to level 1.

3 Sub-Billing Arrangement

This level can only be used as a subordinate to level 2.

4 Group

This level can only be used as a subordinate to level 1, 2 or 3.

5 Category

This level can only be used as a subordinate to level 4.

6 Sub-Category

This level can only be used as a subordinate to level 5.

7 Type

This level can only be used as a subordinate to level 6.

8 Charge Detail

This level can only be used as a subordinate to level 4, 5, 6 or 7.

9 Line Detail

Refer to 004010 Data Element Dictionary for acceptable code values.

# Must Use HL04 736 Hierarchical Child Code

O ID 1/1

Code indicating 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:

**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** 

 Ref. Data

 Des.
 Element
 Name
 Attributes

 M
 LX01
 554
 Assigned Number
 M
 N0 1/6

Number assigned for differentiation within a transaction set

 ${f SI}$  Service Characteristic Identification **Segment:** 

**Position:** 030

> Loop: LX Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify service characteristic data

**Syntax Notes:** 

- If either SI04 or SI05 is present, then the other is required.
- 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.
- 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.
- If either SI20 or SI21 is present, then the other is required.

### **Semantic Notes: Comments:**

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 = 1, 2, 3, 5, 6, 7 or 9.

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

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	char	racteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI05	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI11	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2

		Code from an industry code list qualifying the type of service characteristics				
SI13	234	Product/Service ID	X	AN 1/48		
		Identifying number for a product or service				
SI14	1000	Service Characteristics Qualifier	X	AN 2/2		
		Code from an industry code list qualifying the type of servi	ce chai	acteristics		
SI15	234	Product/Service ID	X	AN 1/48		
		Identifying number for a product or service				
SI16	1000	Service Characteristics Qualifier	X	AN 2/2		
		Code from an industry code list qualifying the type of service characteristics				
<b>SI17</b>	234	Product/Service ID	X	AN 1/48		
		Identifying number for a product or service				
SI18	1000	Service Characteristics Qualifier	X	AN 2/2		
		Code from an industry code list qualifying the type of service characteristics				
SI19	234	Product/Service ID	X	AN 1/48		
		Identifying number for a product or service				
SI20	1000	Service Characteristics Qualifier	X	AN 2/2		
		Code from an industry code list qualifying the type of servi	ce chai	racteristics		
SI21	234	Product/Service ID	X	AN 1/48		
		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.
- At least one of PID04 or PID05 is required.
  If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

**Semantic Notes:** 

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- PID09 is used to identify the language being used in PID05.

**Comments:** 

- 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

Notes:

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.

	Ref.	Data	Data Element Summary				
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>			
M	PID01	349	Item Description Type	$\mathbf{M}$	<b>ID</b> 1/1		
			Code indicating the format of a description				
			Refer to 004010 Data Element Dictionary for acceptable code values.				
Not Used	PID02	750	Product/Process Characteristic Code	O	ID 2/3		
	PID03	559	Agency Qualifier Code	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	Description	X	AN 1/80		
			A free-form description to clarify the related data elements and their content				
Not Used	PID06	752	Surface/Layer/Position Code	O	ID 2/2		
Not Used	PID07	822	Source Subqualifier	O	AN 1/15		
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID 1/1		
Not Used	PID09	819	Language Code	O	ID 2/3		

Segment: REF Reference Identification

**Position:** 050

Loop: LX Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments:

**Notes:** 

**lotes:** 1 REF04 contains data relating to the value cited in REF02.

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 Elem	ent Summary	
	Ref.	Data		-	
	Des.	<b>Element</b>	<u>Name</u>		<u>Attributes</u>
M	REF01	128	Reference Identifie	_	M ID 2/3
				e Reference Identification	
			01	American Bankers Assoc. (ABA) Trans Number (Including Check Digit, 9 Digit	
			03	Clearing House Interbank Payment Sys Participant Number (3 or 4 Digits)	
			05	Clearing House Interbank Payment Sys Identification (6 digits)	tem (CHIPS) User
			10	Account Managers Code	
			11	Account Number	
			12	Billing Account	
			13	Horizontal Coordinate	
			14	Master Account Number	
			15	Vertical Coordinate	
			1J	Facility ID Number	
			3J	Office Number	
			4L	Location-specific Services Reference N	lumber
			6R	Provider Control Number	
			7I	Subscriber Authorization Number	
			8M	Originating Company Identifier	
			8N	Receiving Company Identifier	
			AAO	Carrier Assigned Code	
			BC	Buyer's Contract Number	
			BF	Billing Center Identification	
			BLT	Billing Type	
			CA	Cost Allocation Reference	
			CO	Customer Order Number	
			CR	Customer Reference Number	
			CT	Contract Number	
			DO	Delivery Order Number	
			DP	Department Number	
			E9	Attachment Code	

 $\mathbf{M}$ 

EF

		1J	Facility ID Number	
			g the Reference Identification	
C04001	128			M ID 2/3
C04001	130	•	Reference Qualifier	M ID 2/2
		•	or more reference numbers or identification nu	mbers as
REF04	C040	Reference Ider	ıtifier	O
			scription to clarify the related data elements and	their content
REF03	352	Description	-	X AN 1/80
			Reference Identification Qualifier	oct of as
ALT V2	141		rmation as defined for a particular Transaction S	
REF02	127	Reference Ider	_	X AN 1/30
		ZH	Carrier Assigned Reference Number	
		y K YN	Receiver ID Qualifier	
		VR	Vendor ID Number	
		VN	Vendor Order Number	
		VC VC	Vendor Contract Number	
		13 V0	Federal Taxpayer's Identification Number Version	
		TF TJ	Transfer Number	
		SX	Service Interrupt Tracking Number	
		SU	Special Processing Code	
		SE	Serial Number	
		ar.	Transfers	
			Financial Institution Transit Routing Nun	
		KI	Check, Draft or Wire Payments. Receiving	
		RT	Payee's Financial Institution Transit Rout	ing Number for
		RO	Repetitive Booking Number	
		PO PX	Previous Invoice Number	
		P4 PO	Project Code Purchase Order Number	
		OW P4	Service Order Number	
		OR	Order/Paragraph Number	
		OP	Original Purchase Order	
		OI	Original Invoice Number	
		NP	Partial Payment Number	
		LU	Location Number	
		LJ	Local Jurisdiction	
		LI	Line Item Identifier (Seller's)	
		LB	Lockbox	
		IV	Seller's Invoice Number	
		IT	Internal Customer Number	
		HB	Bill & Hold Invoice Number	
		GT	Goods and Service Tax Registration Num	lber
		GC	Government Contract Number	
		F8	Original Reference Number	
		EU	End User's Purchase Order Number	
		EM	Electronic Payment Reference Number	
		EF	Electronic runus Transfer ID Number	

Electronic Funds Transfer ID Number

			ACB Region		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	on Set	or as
	C04003	128	Reference Identification Qualifier	X	ID $2/3$
			Code qualifying the Reference Identification		
			ACB Region		
	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transacti specified by the Reference Identification Qualifier	ction Set or as	
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
Not Used	C04006	127	Reference Identification	X	AN 1/30

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**

	Ref.	Data		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code	M ID 1/3

Code to qualify amount

Code to qualify	y amount
	PB", and "SC" are the only valid codes at HL1 (Service
Provider Level	
1	Line Item Total
5	Total Invoice Amount
6	Amount Subject to Total Monetary Discount
8	Total Monetary Discount Amount
1E	Fixed Price
AD	Adjusted Total
AP	Amount Prior to Fractionalization
AQ	Average Price Per Call
AS	Average Price Per Minute
AX	Previous Price
BT	Bank Reject Total
СН	Change Amount
CS	Commission Sales
CT	Contract
KO	Committed Amount
LI	Line Item Unit Price
LM	Limit
N	Net
NA	Net Adjustment
NO	Non Commission Sales
NR	Nonrecurring
NS	Net Savings Amount
PB	Billed Amount
RJ	Rate Amount
SC	Total Service Charge
TP	Total payment amount
TS	Total Sales
TT	Total Transaction Amount
ZT	Prorated Amount

$\mathbf{M}$	AMT02	<b>782</b>	Monetary Amount	M R 1/18
			Monetary amount	
Not Used	AMT03	478	Credit/Debit Flag Code	O ID 1/1

Segment: DTM Date/Time Reference

**Position:** 070

Loop: LX Optional

Level: Detail
Usage: Optional
Max Use: 8

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

- If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 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 Elem	ent Summary		
	Ref.	Data				
3.5	Des.	Element	Name			ributes
M	DTM01	374	Date/Time Qualific		M	ID 3/3
				be 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		
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
			193	Period Start		
			194	Period End		
			197	End		
			198	Completion		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	DTM02	373	Date	·	X	<b>DT 8/8</b>
		-	Date expressed as C	CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8

Not Used	DTM04	623	Time Code	0	ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier	X	ID 2/3
Not Used	DTM06	1251	Date Time Period	X	AN 1/35

**TXI05** 

956

TXI Tax Information **Segment: Position:** Loop: LX Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments: 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** Ref. Data <u>Attributes</u> Element Name Des. M TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount TXI03 954 Percent R 1/10 Percentage expressed as a decimal Tax rate for this tax jurisdiction. TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 Code identifying the source of the data used in tax jurisdiction code

Code identifying the taxing jurisdiction

**Tax Jurisdiction Code** 

Refer to 004010 Data Element Dictionary for acceptable code values.

X AN 1/10

TXI06	441	Tax Exempt Code		X	ID 1/1		
		Code identifying ex	emption status from sales and use tax				
		1	Yes (Tax Exempt)				
		2	No (Not Tax Exempt)				
		5	Exempt (Not For Resale)				
		8	Exempt (Sale to U.S. Government)				
		9	Exempt (Per State Law)				
		C	Not Taxable				
<b>TXI07</b>	662	Relationship Code		O	ID 1/1		
		Code indicating the	relationship between entities				
		A	Add				
		D	Delete				
		O	Information Only				
TXI08	828	Dollar Basis For P	ercent	O	R 1/9		
		Dollar basis to be us	sed in the percent calculation of the allow	ance,	, charge or		
		tax		_			
TXI09	325	Tax Identification	Number	O	AN 1/20		
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (sta					
		•	called a tax exemption number or certific	ate ni			
TXI10	350	Assigned Identifica	ation	O	AN 1/20		
		Alphanumeric chara	acters assigned for differentiation within	a tran	saction set		

Segment: QTY Quantity

**Position:** 090

Loop: QTY Optional

Level: Detail
Usage: Optional
Max Use: 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

Semantic Notes: Comments: 1 QTY04 is used when the quantity is non-numeric.

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							
	Ref.	Data	•					
M	<u>Des.</u> QTY01	Element 673	Name Quantity Qualifier	Attributes M ID 2/2				
141	QTTUI	073	Code specifying the					
			01	Discrete Quantity				
			02	Cumulative Quantity				
			27	Committed Quantity				
			38	Original Quantity				
			47	Primary Net Quantity				
			7K	Time Frame				
			87	Quantity Received				
			8H	Minimum				
			90	Acknowledged Quantity				
			91	Additional Usage Quantity				
			92	• •				
				Allotted Usage Quantity				
			93	Attendant-Handled Quantity				
			94	Billable Quantity				
			95	Data Storage Quantity				
			96	Non-Billable Quantity				
			97	Non-Urgent Delivery Quantity				
			98	Overflow Quantity				
			99	Quantity Used				
			AA	Unacknowledged Quantity				
			AB	Urgent Delivery Quantity				
			AC	Voice Storage Quantity				
			AD	Maintenance Units				
			AE	Minimum Average Time Requirement (MATR) Units				
			AF	Wide Area Telephone Service (WATS)/800 Service Units				
			AG	Number of End Users				
			AH	Number of Message Recipients				
			AI	Number of Operator Credits				
			AJ	Daily Adjustments				
			D1	Billed				

			M2	Maximum		
			NS	Number of Stations		
			QD	Quantity Delivered		
			TO	Total		
Must Use	QTY02	380	Quantity		X	R 1/15
			Numeric value of c	-		
	QTY03	C001	Composite Unit of		O	
				osite unit of measure (See Figures Appe	endix 1	for examples
M	C00101	355	of use)	Measurement Code	М	ID 2/2
141	C00101	333		e units in which a value is being expresse		
			which a measurem		u, or r	namer m
			03	Seconds		
			12	Packet		
			1X	Quarter Mile		
			4L	Megabyte		
			AD	Bytes		
			AH	Additional Minutes		
			AI	Average Minutes Per Call		
			AL	Access Lines		
			AN	Minutes or Messages		
			C0	Calls		
			DA	Days		
			DC	Disk (Disc)		
			DH	Miles		
			DK	Kilometers		
			DQ	Data Records		
			DY	Directory Books		
			EA	Each Electronic Meil Bonce		
			EB EV	Electronic Mail Boxes		
			F3	Envelope Equivalent		
			G7	Microfiche Sheet		
			H1	Half Pages - Electronic		
			HR	Hours		
			HT	Half Hour		
			KB	Kilocharacters		
			KF	Kilopackets		
			KJ	Kilosegments		
			M0	Magnetic Tapes		
			M4	Monetary Value		
			MJ	Minutes		
			MO	Months		
			MR	Meter		
			NF	Messages		
			NH	Message Hours		
			NJ	Number of Screens		

			OT	Overtime Hours		
			P0	Pages - Electronic		
			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service	- Aver	rage
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line -	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	C00102	1018	Exponent		O	R 1/15
Not Used	C00103	649	Multiplier		O	R 1/10
Not Used	C00104	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent		O	R 1/15
Not Used	C00106	649	Multiplier		O	R 1/10
Not Used	C00107	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent		O	R 1/15
Not Used	C00109	649	Multiplier		O	R 1/10
Not Used	C00110	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent		O	R 1/15
Not Used	C00112	649	Multiplier		O	R 1/10
Not Used	C00113	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent		O	R 1/15
Not Used	C00115	649	Multiplier		0	R 1/10
Not Used	QTY04	61	Free-Form Mes	sage	X	AN 1/30

Segment: SI Service Characteristic Identification

**Position:** 100

**Loop:** QTY Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To specify service characteristic data

**Syntax Notes:** 

- 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:

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

	Ref.	Data	·		
	Des.	<b>Element</b>	<u>Name</u>	Attı	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	e char	racteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI09	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI11	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2

		Code from an industry code list qualifying the type of servi	ce chai	acteristics
SI13	234	Product/Service ID	$\mathbf{X}$	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
		Code from an industry code list qualifying the type of servi	ce chai	racteristics
SI15	234	Product/Service ID	$\mathbf{X}$	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
		Code from an industry code list qualifying the type of servi	ce cha	racteristics
<b>SI17</b>	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
		Code from an industry code list qualifying the type of servi	ce cha	racteristics
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servi-	ce chai	acteristics
SI21	234	Product/Service ID	$\mathbf{X}$	AN 1/48
		Identifying number for a product or service		

Segment: NM1 Individual or Organizational Name

**Position:** 110

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use:

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.

If NM111 is present, then NM110 is required.

**Semantic Notes:** 1 NM102 qualifies NM103.

**Comments:** 1 NM110 and NM111 further define the type of entity in NM101.

Notes: 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".

	D.£	Doto	Data Elem	ent Summary	
M	Ref. <u>Des.</u> NM101	Data Element 98	<u>Name</u> Entity Identifier C	'ada	Attributes M ID 2/3
IVI	MMITUI	90	•	organizational entity, a physical location	
			individual	organizational entity, a physical location	, property or an
			1. 'SJ' and '9D' are	e the only valid codes at HL1 (Service Pro	ovider Level).
			2 IODI I IDOI		I III 2
			(Sub-Billing Arran	e invalid at HL2 (Billing Arrangement L gement Level).	evei) ana HLS
			(Sub Duning Hirtun	gement zerot).	
				'IA', 'OB' and 'P9' are the only valid cod	
			(Category Level), E	HL6 (Subcategory Level) and HL7 (Type New Service Provider	Level).
			AG	Agent/Agency	
			AK	Party to Whom Acknowledgment Shoul	d Be Sent
			AO	Account Of	
			BS	Bill and Ship To	
			C3	Circuit Location Identifier	
			CA	Carrier	
			CT	Country of Origin	
			EN	End User	
			GP	Gateway Provider	
			IA	Installed At	
			NN	Network Name	
			OB	Ordered By	
			P9	Primary Interexchange Carrier (PIC)	
			PE	Payee	
			PM PR	Party to receive paper Memo of Invoice	
			RI	Payer Remit To	
			RL	Reporting Location	
			SE	Selling Party	
			SJ	Service Provider	
M	NM102	1065	Entity Type Quali		M ID 1/1

Code qualifying the type of entity

Not Used	NM111	98	<b>Entity Identi</b>	fier Code	O	ID 2/3	
Not Used	NM110	706	<b>Entity Relati</b>	<del>-</del>	X	ID 2/2	
			If $NM108 = '$	42' - use CIC code list maintained by Lockhed' - use Pseudo-CIC list provided in OBF Secti			
	NM109	67	<b>Identification</b> Code identify	n Code ing a party or other code	X	AN 2/80	
			ZY	Temporary Identification Number			
			EF UE	Electronic Funds Transfer ID Number Unique Entity Identifier			
			92 EF	Assigned by Buyer or Buyer's Agent			
			91	Assigned by Seller or Seller's Agent			
			42	Telecommunications Pseudo Carrier Id	entifi	cation Code	
			41	Telecommunications Carrier Identifica			
			40	Electronic Mail User Code			
			33	Commercial and Government Entity (C	AGE	)	
			10	Department of Defense Activity Addre (DODAAC)			
			Coae values Provider Leve	[41], '42' and '91' are the only valid values at I el).	ILI (	Service	
			Code (67)				
	14141100	UU		ting the system/method of code structure used:	X for Id	ID 1/2	
	NM108	66		Suffix to individual name  Identification Code Qualifier			
	1/1/1/1/1/	1039			U	AN 1/10	
	NM107	1039	Name Suffix		0	AN 1/10	
	1/1/11/100	1038	Prefix to indiv		U	AN 1/10	
	NM106	1038	Individual mi	ddle name or initial	0	AN 1/10	
	NM105	1037	Name Middle	<del>-</del>	О	AN 1/25	
			Individual firs				
	NM104	1036	Name First		O	AN 1/25	
				t name or organizational name			
	NM103	1035		r Organization Name	O	AN 1/35	
			3	Unknown			
			2	Non-Person Entity			
			1	Person			

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".

	Ref.	Data		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

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".

M	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information	<u>Attributes</u> M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

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 ax Notes: 1 If N406 is present, then N405 is required.

specify a location.

Syntax Notes: Semantic Notes: Comments:

A combination of either N401 through N404, or N405 and N406 may be adequate to

2 N402 is required only if city name (N401) is in the U.S. 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".

Ref.	Data				
Des.	<b>Element</b>	<u>Name</u>		Att	<u>ributes</u>
N401	19	City Name		O	AN 2/30
		Free-form text for c	ity name		
N402	156	State or Province	Code	O	ID 2/2
		Code (Standard Sta	te/Province) as defined by appropriate go	vernn	nent agency
N403	116	<b>Postal Code</b>		O	ID 3/15
		_	national postal zone code excluding punc	uatio	n and blanks
27404	•	(zip code for United	l States)	_	TD 4/2
N404	26	<b>Country Code</b>		O	ID 2/3
		Code identifying the	e country		
N405	309	Location Qualifier		X	ID 1/2
		Code identifying ty	pe of location		
		AC	City and State		
		AR	Armed Services Location Designation		
		CC	Country		
		CI	City		
		SP	State/Province		
N406	310	Location Identifier	r	0	AN 1/30
		Code which identifi	es a specific location		

REF Reference Identification **Segment:** 

**Position:** 

Loop: NM1 Optional

Level: Detail Usage: Optional Max Use:

**Notes:** 

**Purpose:** To specify identifying information

**Syntax Notes:** At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes: Comments:** 

REF04 contains data relating to the value cited in REF02.

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**

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>		<b>Attributes</b>
M	REF01	128	Reference Identifi	cation Qualifier	M ID 2/3
			Code qualifying the	e Reference Identification	
			"10", "CR", "EF	", "GT", "IV", "LB", "RT", "TF" and	"VC" are the only
				(Service Provider Level).	
			01	American Bankers Assoc. (ABA) Trans	_
			03	Number (Including Check Digit, 9 Digit Clearing House Interbank Payment Systems)	
			03	Participant Number (3 or 4 Digits)	iciii (CIIII 5)
			05	Clearing House Interbank Payment Syst	tem (CHIPS) User
				Identification (6 digits)	
			10	Account Managers Code	
			11	Account Number	
			12	Billing Account	
			13	Horizontal Coordinate	
			14	Master Account Number	
			15	Vertical Coordinate	
			1J	Facility ID Number	
			3J	Office Number	
			4L	Location-specific Services Reference N	umber
			6R	Provider Control Number	
			7I	Subscriber Authorization Number	
			8M	Originating Company Identifier	
			8N	Receiving Company Identifier	
			AAO	Carrier Assigned Code	
			BC	Buyer's Contract Number	
			BF	Billing Center Identification	
			BLT	Billing Type	

Cost Allocation Reference

Customer Order Number

Contract Number

Department Number

Customer Reference Number

CA

CO

CR

CT

DP

M

		E9	Attachment Code	
		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	
		НВ	Bill & Hold Invoice Number	
		IT	Internal Customer Number	
		IV	Seller's Invoice Number	
		LB	Lockbox	
		LI	Line Item Identifier (Seller's)	
		LJ	Local Jurisdiction	
		LU	Location Number	
		NP	Partial Payment Number	
		OI	Original Invoice Number	
		OP	Original Purchase Order	
		OR	Order/Paragraph Number	
		OW	Service Order Number	
		P4	Project Code	
		PO	Purchase Order Number	
		PX	Previous Invoice Number	
		RO	Repetitive Booking Number	
		RT	Payee's Financial Institution Transit Routing Nur Check, Draft or Wire Payments. Receiving Depo Financial Institution Transit Routing Number for	sitory
			Transfers	
		SE	Serial Number	
		SU	Special Processing Code	
		SX	Service Interrupt Tracking Number	
		TF	Transfer Number	
		TJ	Federal Taxpayer's Identification Number	
		V0	Version	
		VC	Vendor Contract Number	
		VN	Vendor Order Number	
		VR	Vendor ID Number	
		YN	Receiver ID Qualifier	
		ZH	Carrier Assigned Reference Number	
REF02	127	Reference Idea		N 1/30
			rmation as defined for a particular Transaction Set or as	3
REF03	352	•	e Reference Identification Qualifier  X A	N 1/80
KEFUS	352	Description	scription to clarify the related data elements and their c	,
REF04	C040	Reference Idea	-	Ontent
KEFU4	C040			ne.
			or more reference numbers or identification numbers are Reference Qualifier	10
C04001	128			2/3
			g the Reference Identification	

			1J	Facility ID Number		
			ACB	Region		
M	C04002	127	Reference Ide	entification	M	AN 1/30
				ormation as defined for a particular Transa te Reference Identification Qualifier	ction Set	or as
	C04003	128	Reference Identification Qualifier		X	ID 2/3
			Code qualifyir	ng the Reference Identification		
			ACB	Region		
	C04004	127	Reference Ide	entification	X	AN 1/30
				ormation as defined for a particular Transa te Reference Identification Qualifier	ction Set o	or as
Not Used	C04005	128	Reference Ide	entification Qualifier	X	ID 2/3
Not Used	C04006	127	Reference Ide	entification	X	AN 1/30

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.

If either PER05 or PER06 is present, then the other is required.
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'.

	D e	<b>D</b> 4	Data Elem	ent Summary		
	Ref. Des.	Data Element	Name		Attr	ributes
M	PER01	366	Contact Function	Code		ID 2/2
				e major duty or responsibility of the perso		
			AD	Accounting Department	`	
			AR	Accounts Receivable Department		
			BD	Buyer Name or Department		
			BI	Bill Inquiry Contact		
			CC	Computer Systems Contact		
			DA	Directory Advertising Contact		
			IC	Information Contact		
			MA	Maintenance Contact		
			OC	Order Contact		
			OD	Order Department		
			PM	Product Manager		
			QA	Quality Assurance Contact		
			SR	Sales Representative or Department		
			TR	Technical Marketing Representative		
	PER02	93	Name		O	AN 1/60
			Free-form name			
	PER03	365	Communication N	umber Qualifier	X	ID 2/2
			Code identifying th	e type of communication number		
			AU	Defense Switched Network		
				This code is to be used only within the	feder	al
			EM	government. Electronic Mail		
			EM			
			FX	Facsimile		
			TE	Telephone		
	DED04	264	UR	Uniform Resource Locator (URL)	v	A N. 1/00
	PER04	364	Communication N		X	AN 1/80
			applicable	ications number including country or area	coae	wnen
	PER05	365	Communication N	umber Qualifier	X	ID 2/2

Code identifying the type of communication number AU Defense Switched Network This code is to be used only within the federal government. **EM** Electronic Mail FX Facsimile TE Telephone PER06 364 **Communication Number** X AN 1/80 Complete communications number including country or area code when applicable PER07 **Communication Number Qualifier** 365 X ID 2/2 Code identifying the type of communication number International Telephone Access Code AA AΒ Joint Facsimile and Phone Number ACMessage Only Voice Number AD **Delivery Location Phone** AP Alternate Telephone AS **Answering Service** AU Defense Switched Network BN Beeper Number BTBTX Number CACable Cellular Phone CP DN Defense Data Network (DDN) ED Electronic Data Interchange Access Number Electronic Mail EM EX Telephone Extension FT Federal Telecommunications System (FTS) FU Facsimile User Identifier FX Facsimile Home Facsimile Number HF HP Home Phone Number IT International Telephone MN Modem Number NP Night Telephone Other Residential Facsimile Number OF OT Other Residential Telephone Number PA Appointment Phone PC Personal Cellular PP Personal Phone PS **Packet Switching** SP **Showing Phone** TE Telephone Telex TL Telemail TM TNTeletex Number TXTWX

			UR	Uniform Resource Locator (URI	ر_)	
			VM	Voice Mail		
			WC	Work Cellular		
			WF	Work Facsimile Number		
			WP	Work Phone Number		
	PER08	364	Communicat	ion Number	X	AN 1/80
			Complete con applicable	nmunications number including country	or area code	when
Not Used	PER09	443	* *	iry Reference	O	AN 1/20

**TXI05** 

956

TXI Tax Information **Segment: Position:** Loop: NM1 Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments: 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** Ref. Data At<u>tributes</u> Element Name Des. M TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount TXI03 954 Percent X R 1/10 Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.

Code identifying the taxing jurisdiction

X AN 1/10

**Tax Jurisdiction Code** 

TXI06	441	Tax Exempt Code		X	ID 1/1
		Code identifying ex	emption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		
		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		C	Not Taxable		
<b>TXI07</b>	662	Relationship Code		O	ID 1/1
		Code indicating the	relationship between entities		
		A	Add		
		D	Delete		
		O	Information Only		
TXI08	828	<b>Dollar Basis For P</b>	ercent	O	R 1/9
		Dollar basis to be us	sed in the percent calculation of the allow	ance,	, charge or
TXI09	325	Tax Identification	Number	O	AN 1/20
		_	a purchaser (buyer, orderer) by a taxing called a tax exemption number or certific	-	
TXI10	350	Assigned Identifica	-	O	AN 1/20
		Alphanumeric chara	acters assigned for differentiation within a	a tran	saction set

 $\mathbf{ITA}$  Allowance, Charge or Service **Segment: Position:** Loop: ITA Optional Level: Detail Optional Usage: Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA08 is present, then ITA09 is required. If ITA15 is present, then ITA02 is required. If ITA17 is present, then ITA12 is required. 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 5 If either ITA10 or ITA11 is present, then the other is required. **Semantic Notes:** ITA09 is the allowance or charge percent. 1 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. If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, **Comments:** or ITA08 must be present. 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. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated When submitting the 811 to any federal agency, use of the ITA loop is optional when Notes:

**Data Element Summary** 

HL03 is "1", "2", "3", "5", "6", or "7".

	Ref.	Data	Du	a Element Summary		
	Des.	<b>Element</b>	<u>Name</u>		Attı	<u>ributes</u>
M	ITA01	248	Allowance	or Charge Indicator	M	ID 1/1
			Code which	indicates an allowance or charge for the service s	specif	fied
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qu	alifier Code	X	ID 2/2
			Code identi	fying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Ser	vices Code	X	ID 2/10
			Code identi	fying the special service		
			See OBF S	ection 10.4 for valid values.		
M	ITA04	331	Allowance	or Charge Method of Handling Code	M	ID 2/2
			Code indica	ating method of handling for an allowance or char	ge	
			04	Credit Customer Account		
			06	Charge to be Paid by Customer		
			ZZ	Mutually Defined		
	ITA05	341	Allowance	or Charge Number	O	AN 1/16
			The number charge	r assigned by a vendor referencing an allowance, p	orom	otion, deal or
Not Used	ITA06	359	Allowance	or Charge Rate	O	R 1/15
	ITA07	360	Allowance	or Charge Total Amount	O	N2 1/15

		Total dollar amou	ant for the allowance or charge		
ITA08	378		ge Percent Qualifier	O	ID 1/1
			on what basis allowance or charge percent i	s calc	ulated
		9	Late Payment Charge Base Amount		
ITA09	332	Percent		X	R 1/6
		Percent expressed	l as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value of	quantity		
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2
			the units in which a value is being expresse	d, or i	manner in
			nent has been taken		
		03 12	Seconds Packet		
		12 1X	Quarter Mile		
		AD	Bytes		
		AH	Additional Minutes		
		AII	Average Minutes Per Call		
		AL	Access Lines		
		AN	Minutes or Messages		
		C0	Calls		
		DA	Days		
		DC	Disk (Disc)		
		DH	Miles		
		DK	Kilometers		
		DQ	Data Records		
		DY	Directory Books		
		EA	Each		
		EB	Electronic Mail Boxes		
		EV	Envelope Envelope		
		G7	Microfiche Sheet		
		H1	Half Pages - Electronic		
		HR	Hours		
		HT	Half Hour		
		KB	Kilocharacters		
		KF	Kilopackets		
		KJ	Kilosegments		
		M0	Magnetic Tapes		
		M4	Monetary Value		
		MJ	Minutes		
		MO	Months		
		MR	Meter		
		NF	Messages		
		NH	Message Hours		
		NJ	Number of Screens		
		OT	Overtime Hours		
		P0	Pages - Electronic		
		P1	Percent		

			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service -	Aver	rage
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line - A	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	ITA12	380	Quantity		X	R 1/15
	ITA13	352	Description		X	AN 1/80
				iption to clarify the related data elements a	nd the	
	ITA14	150		or Allowance Code	X	ID 3/3
				type of special charge or allowance		
				10.4 for valid values.		
				Data Element Dictionary for acceptable cod		
Not Used	ITA15	822	Source Subquali		O	AN 1/15
	ITA16	662	Relationship Cod		O	ID 1/1
				ne relationship between entities		
				valid in HLs 4 - 9.		
			A	Add		
			D	Delete		
			I	Included		
NI-4 II I	T/D A 1/7	255	O	Information Only	•	ID 2/2
Not Used	ITA17	355	Unit or Basis for	<b>Measurement Code</b>	O	ID 2/2

DTM Date/Time Reference **Segment:** 

**Position:** 190

> ITA Loop: Optional

Level: Detail Usage: Optional Max Use:

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

**Syntax Notes:** If DTM04 is present, then DTM03 is required.

- If either DTM05 or DTM06 is present, then the other is required.
- At least one of DTM02 DTM03 or DTM05 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".

	Ref.	Data		•		
	Des.	<b>Element</b>	<u>Name</u>		Attr	<u>ributes</u>
M	DTM01	374	Date/Time Qual	lifier	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		
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
	<b>DTM02</b>	373	Date		X	<b>DT 8/8</b>
			Date expressed a	s CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	<b>DTM04</b>	623	Time Code		O	ID 2/2
Not Used	<b>DTM05</b>	1250	Date Time Perio	od Format Qualifier	X	ID 2/3
Not Used	DTM06	1251	Date Time Perio	od	X	AN 1/35

**TXI05** 

956

TXI Tax Information **Segment: Position:** Loop: ITA **Optional** Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments: 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** Ref. Data At<u>tributes</u> **Element** Name Des. M TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount TXI03 954 Percent R 1/10 Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2

Code identifying the taxing jurisdiction

**Tax Jurisdiction Code** 

Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.

X AN 1/10

TXI06	441	Tax Exempt Code		X	ID 1/1
		Code identifying ex	temption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		
		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		C	Not Taxable		
TXI07	662	Relationship Code		O	ID 1/1
		Code indicating the	relationship between entities		
		Α	Add		
		D	Delete		
		O	Information Only		
TXI08	828	Dollar Basis For P	ercent	O	R 1/9
		Dollar basis to be us	sed in the percent calculation of the allow	ance,	, charge or
TXI09	325	Tax Identification	Number	O	AN 1/20
		_	o a purchaser (buyer, orderer) by a taxing called a tax exemption number or certific	-	
TXI10	350	Assigned Identifica	-	O	AN 1/20
		Alphanumeric chara	acters assigned for differentiation within	a tran	saction 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:** Comments:

1 IT101 is the purchase order line item identification.

- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
- 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:** 

- 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".

	D 0	D 4	Data Ele	ment Summary				
	Ref. Des.	Data Element	Name		Δtt	ributes		
	<u>Bes.</u> IT101	350	Assigned Identif	ication	0	AN 1/20		
			Alphanumeric cha	aracters assigned for differentiation within	a tran	saction set		
Must Use	IT102	358	Quantity Invoice	ed	$\mathbf{X}$	R 1/10		
			Number of units i	nvoiced (supplier units)				
Must Use	IT103	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					
			When IT103 = 'M4': Rules of extended pricing do not apply. Proposed OBF change: At least one M4 code must be used if there are charges at the subordinate levels (5-9). When M4 is used, IT104 equals the roll up from lower levels (see OBF summing rules in OBF Section 7.3).					
			EA	Each				
			M4	Monetary Value				
			MO	Months				
Must Use	IT104	212	<b>Unit Price</b>		X	R 1/17		
			Price per unit of p	product, service, commodity, etc.				
	IT105	639	Basis of Unit Pri	ce Code	O	ID 2/2		
			Code identifying	the type of unit price for an item				
			BD	Before Discount				

			CP	Current Price (Subject to Change)		
			CT	Contract		
			PE	Price per Each		
			PM	Monthly Price Per Unit		
			TE	Contract Price per Each		
	IT106	235	Product/Service 1	D Qualifier	$\mathbf{X}$	ID 2/2
			Code identifying t Product/Service II SV	he type/source of the descriptive number to (234) Service Rendered	ised in	ı
	IT107	234	Product/Service 1	ID .	$\mathbf{X}$	AN 1/48
			Identifying number	er for a product or service		
			See OBF Section	10.4 for valid values.		
	IT108	235	Product/Service 1	D Qualifier	X	ID 2/2
			Product/Service II			
				y being used for Telecom Service Type (V	VJ) wł	hich is
			effective with ASC ZZ	CX12 version 004020.  Mutually Defined		
				'ZZ' is temporarily being used for Tel	ecom (	Service
				Type 'WJ' which is effective with ASC 004020.		
	IT109	234	Product/Service 1		X	AN 1/48
			Identifying number	er for a product or service		
			See OBF Section	10.4 for a list of valid codes.		
Not Used	IT110	235	Product/Service 1	D Qualifier	X	ID 2/2
Not Used	IT111	234	Product/Service 1	D	$\mathbf{X}$	AN 1/48
Not Used	IT112	235	Product/Service 1	D Qualifier	$\mathbf{X}$	ID 2/2
Not Used	IT113	234	Product/Service 1	D	X	AN 1/48
Not Used	IT114	235	Product/Service 1	D Qualifier	X	ID 2/2
Not Used	IT115	234	Product/Service 1	D	X	AN 1/48
Not Used	IT116	235	Product/Service 1	D Qualifier	X	ID 2/2
Not Used	IT117	234	Product/Service 1	D	X	AN 1/48
Not Used	IT118	235	Product/Service 1	D Qualifier	X	ID 2/2
Not Used	IT119	234	Product/Service 1	D	X	AN 1/48
Not Used	IT120	235	Product/Service 1	_	X	ID 2/2
Not Used	IT121	234	Product/Service 1	D	X	AN 1/48
Not Used	IT122	235	Product/Service 1	D Qualifier	X	ID 2/2
Not Used	IT123	234	Product/Service 1		X	AN 1/48
Not Used	IT124	235	Product/Service 1		X	ID 2/2
Not Used	IT125	234	Product/Service 1	TD	X	AN 1/48

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:

Notes:

- 1 SI01 defines the source for each of the service characteristics qualifiers.
- 1. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '4'.
- 2. See OBF Section 10.4 for a list of valid values when using data element 1000/234 pairs.

	Ref.	Data	N	A 44		
M	<u>Des.</u> SI01	Element 559	Name Agency Qualifier Code		ributes ID 2/2	
IVI	5101	339		IVI	110 2/2	
			Code identifying the agency assigning the code values			
3.5	GT0.	4000	TI Telecommunications Industry		1370/0	
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2	
			Code from an industry code list qualifying the type of service			
M	SI03	234	Product/Service ID	M	AN 1/48	
			Identifying number for a product or service			
	SI04	1000	Service Characteristics Qualifier	X	AN 2/2	
			Code from an industry code list qualifying the type of service	char	characteristics	
	SI05	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2	
			Code from an industry code list qualifying the type of service		characteristics	
	SI07	234	Product/Service ID	$\mathbf{X}$	AN 1/48	
			Identifying number for a product or service			
	SI08	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2	
			Code from an industry code list qualifying the type of service	char	acteristics	
	SI09	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2	
	~		Code from an industry code list qualifying the type of service			
	SI11	234	Product/Service ID	X	AN 1/48	
	DIII	<b>25</b> 7	Identifying number for a product or service	41	111 1/10	
			recentlying number for a product of service			

SI12	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	racteristics
SI13	234	Product/Service ID	$\mathbf{X}$	AN 1/48
		Identifying number for a product or service		
<b>SI14</b>	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
<b>SI15</b>	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
<b>SI16</b>	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
<b>SI17</b>	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
<b>SI18</b>	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
<b>SI19</b>	234	Product/Service ID	$\mathbf{X}$	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
<b>SI21</b>	234	Product/Service ID	$\mathbf{X}$	AN 1/48
		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:

**Comments:** 

- 1 If PID04 is present, then PID03 is required.
- At least one of PID04 or PID05 is required.
  If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 4 If PIDU8 is present, then PIDU4 is required
- 5 If PID09 is present, then PID05 is required.

**Semantic Notes:** 1 Use PID03 to indicate the organization that publishes the code list being referred to.

- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
  - PID09 is used to identify the language being used in PID05.
- 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

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

	Ref.	Data	Data Element Summary			
	Des.	<b>Element</b>	<u>Name</u>		<u>Attributes</u>	
$\mathbf{M}$	PID01	349	Item Description Type	$\mathbf{M}$	<b>ID</b> 1/1	
			Code indicating the format of a description			
			Refer to 004010 Data Element Dictionary for acceptable co	de valı	ies.	
Not Used	PID02	750	Product/Process Characteristic Code	O	ID 2/3	
	PID03	559	Agency Qualifier Code	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 decharacteristic	ata abo	out a product	
	PID05	352	Description	X	AN 1/80	
			A free-form description to clarify the related data elements a	and the	eir content	
Not Used	PID06	752	Surface/Layer/Position Code	O	ID 2/2	
Not Used	PID07	822	Source Subqualifier	O	AN 1/15	
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID 1/1	
Not Used	PID09	819	Language Code	O	ID 2/3	

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**

	Ref.	Data			
3.5	Des.	Element	Name To God		ributes
M	INC01	336	Terms Type Code	M	ID 2/2
			Code identifying type of payment terms		
			04 Deferred or Installment		
M	INC02	C001	Composite Unit of Measure	M	
			To identify a composite unit of measure (See Figures Apper of use)	ndix f	or examples
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expressed which a measurement has been taken  MO  Months	, or n	nanner in
Not Used	C00102	1018	Exponent	O	R 1/15
Not Used	C00103	649	Multiplier	O	R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent	O	R 1/15
Not Used	C00106	649	Multiplier	O	R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent	O	R 1/15
Not Used	C00109	649	Multiplier	O	R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent	O	R 1/15
Not Used	C00112	649	Multiplier	O	R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent	O	R 1/15
Not Used	C00115	649	Multiplier	O	R 1/10
M	INC03	380	Quantity	$\mathbf{M}$	R 1/15
			Numeric value of quantity		
			Indicates the total number of installments.		
M	INC04	380	Quantity	M	R 1/15
			Numeric value of quantity		

Indicates the number of current installments.

INC05 782 Monetary Amount

O R 1/18

Monetary amount

Balance remaining after this installment is billed.

M

TXI04

955

TXI Tax Information **Segment: Position:** Loop: IT1 **Optional** Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments: Notes:** When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4". **Data Element Summary** Ref. Data <u>Attributes</u> **Element** Name Des. TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount Proposed OBF change to summing rules: This amount will be the roll up of subordinate TXI segment billed amounts. **TXI03** 954 X R 1/10 Percent Percentage expressed as a decimal Tax rate for this jurisdiction.

Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.

X ID 2/2

Tax Jurisdiction Code Qualifier

TXI05	956	Tax Jurisdiction C	Code	X	AN 1/10
		Code identifying th	e taxing jurisdiction		
TXI06	441	Tax Exempt Code		X	<b>ID</b> 1/1
		Code identifying ex	temption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
		5	Exempt (Not For Resale)		
		8	Exempt (Sale to U.S. Government)		
		9	Exempt (Per State Law)		
		C	Not Taxable		
<b>TXI07</b>	662	Relationship Code		O	<b>ID</b> 1/1
		Code indicating the	relationship between entities		
		A	Add		
		D	Delete		
		O	Information Only		
TXI08	828	Dollar Basis For P	ercent	O	R 1/9
		Dollar basis to be u	sed in the percent calculation of the allow	ance,	charge or
		tax		_	
TXI09	325	Tax Identification	- 19	O	AN 1/20
		-	a purchaser (buyer, orderer) by a taxing j		
TV110	250		called a tax exemption number or certifica		
TXI10	350	Assigned Identific		0	AN 1/20
		Alphanumeric char	acters assigned for differentiation within a	tran	saction set

**REF** Reference Identification **Segment:** 

**Position:** 

Loop: IT1 Optional

Level: Detail Usage: Optional Max Use:

To specify identifying information **Purpose:** 

**Syntax Notes:** At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes: Comments:** 

**Notes:** 

REF04 contains data relating to the value cited in REF02.

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

			Data Eler	nent Summary		
	Ref.	Data				
M	Des.	Element 128	Name	antine Oralicine		ributes
M	REF01	128	Reference Identif	_	M	ID 2/3
			11	e Reference Identification  Account Number		
			12	Billing Account		
			1J	Facility ID Number		
			4L	Location-specific Services Reference N	lumbe	er
			6R	Provider Control Number		
			7I	Subscriber Authorization Number		
			8M	Originating Company Identifier		
			8N	Receiving Company Identifier		
			AAO	Carrier Assigned Code		
			AT	Appropriation Number		
			BF	Billing Center Identification		
			BLT	Billing Type		
			CA	Cost Allocation Reference		
			LJ	Local Jurisdiction		
			LU	Location Number		
			P4	Project Code		
			RO	Repetitive Booking Number		
			SU	Special Processing Code		
			V0	Version		
			YN	Receiver ID Qualifier		
			ZH	Carrier Assigned Reference Number		
			ZZ	Mutually Defined		
	REF02	127	Reference Identif	ication	X	AN 1/30
				tion as defined for a particular Transaction eference Identification Qualifier	1 Set o	or as
	REF03	352	Description	-	X	AN 1/80
			A free-form descri	ption to clarify the related data elements a	nd the	eir content
	REF04	C040	Reference Identif	ïer	O	

			To identify one specified by the	on numbe	ers as		
M	C04001	128		ntification Qualifier	M	ID 2/3	
			Code qualifyin	Code qualifying the Reference Identification			
			1J	Facility ID Number			
			ACB	Region			
M	C04002	127	Reference Ide	ntification	M	AN 1/30	
				eference information as defined for a particular Transaction S ecified by the Reference Identification Qualifier			
	C04003	128	Reference Ide	ntification Qualifier	X	ID 2/3	
			Code qualifyin	g the Reference Identification			
			ACB	Region			
	C04004	127	Reference Ide	ntification	X	AN 1/30	
				rmation as defined for a particular Transac e Reference Identification Qualifier	tion Set o	or as	
Not Used	C04005	128	Reference Ide	ntification Qualifier	X	ID 2/3	
Not Used	C04006	127	Reference Ide	ntification	X	AN 1/30	

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 If DTM04 is present, then DTM03 is required.

- If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 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**

	<b></b>	<b>.</b>	Data Elem	ent Summary		
	Ref.	Data	NT		A 44	
M	<u>Des.</u> DTM01	<b>Element 374</b>	Name Date/Time Qualific	er		ributes ID 3/3
	2 21,202	•		be of date or time, or both date and time		22 0,0
			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		
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
			193	Period Start		
			194	Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	<b>DTM02</b>	373	Date		X	<b>DT 8/8</b>
			Date expressed as (	CCVVMMDD		

Date expressed as CCYYMMDD

Not Used	DTM03	337	Time	X	TM 4/8
Not Used	DTM04	623	Time Code	0	ID 2/2
Not Used	<b>DTM05</b>	1250	Date Time Period Format Qualifier	X	ID 2/3
Not Used	DTM06	1251	Date Time Period	X	AN 1/35

Segment: MSG Message Text

**Position:** 280

Loop: IT1 Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To provide a free-form format that allows the transmission of text information

**Syntax Notes:** 1 If MSG03 is present, then MSG02 is required.

**Semantic Notes:** 1 MSG03 is the number of lines to advance before printing.

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

2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Notes: When submitting the 811 to any federal agency, use of the MSG segment is optional

when HL03 is ''4''.

	Ref.	Data		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>
M	MSG01	933	Free-Form Message Text	M AN 1/264
			Free-form message text	
Not Used	MSG02	934	Printer Carriage Control Code	X ID 2/2
Not Used	MSG03	1470	Number	O N0 1/9

Segment: AMT Monetary Amount

**Position:** 285

Loop: IT1 Optional

Level: Detail
Usage: Optional

Max Use: 1

**Purpose:** To indicate the total monetary amount

Syntax Notes: Semantic Notes: Comments:

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		Att	ributes
M	AMT01	522	Amount Qu	alifier Code	M	ID 1/3
			Code to qual	lify amount		
			1E	Fixed Price		
			8V	Services		
			LM	Limit		
			NR	Nonrecurring		
			RJ	Rate Amount		
			ZT	Prorated Amount		
M	AMT02	782	Monetary A	amount	M	R 1/18
			Monetary an	nount		
Not Used	AMT03	478	Credit/Debi	t Flag Code	0	ID 1/1

Segment: QTY Quantity

Position: 290

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use:

**Notes:** 

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** Comments:

1 QTY04 is used when the quantity is non-numeric.

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

			Data Eleme	ent Summary
	Ref.	Data		
M	Des.	Element 673	Name Quantity Qualifier	Attributes M ID 2/2
IVI	QTY01	0/3	Code specifying the	
			01	Discrete Quantity
			02	Cumulative Quantity
			27	- ·
			38	Committed Quantity
			47	Original Quantity
				Primary Net Quantity Time Frame
			7K	
			87	Quantity Received
			8H	Minimum
			90	Acknowledged Quantity
			91	Additional Usage Quantity
			92	Allotted Usage Quantity
			93	Attendant-Handled Quantity
			94	Billable Quantity
			95	Data Storage Quantity
			96	Non-Billable Quantity
			97	Non-Urgent Delivery Quantity
			98	Overflow Quantity
			99	Quantity Used
			AA	Unacknowledged Quantity
			AB	Urgent Delivery Quantity
			AC	Voice Storage Quantity
			AD	Maintenance Units
			AE	Minimum Average Time Requirement (MATR) Units
			AF	Wide Area Telephone Service (WATS)/800 Service Units
			AG	Number of End Users
			AH	Number of Message Recipients
			AI	Number of Operator Credits
			AJ	Daily Adjustments
			D1	Billed

			M2	Maximum		
			NS	Number of Stations		
			QD	Quantity Delivered		
			TO	Total		
Must Use	QTY02	380	Quantity		X	R 1/15
			Numeric value of q	-		
	QTY03	C001	Composite Unit of		O	
				osite unit of measure (See Figures Appe	endix 1	for examples
M	C00101	355	of use)	Measurement Code	M	ID 2/2
141	Coolor	333		e units in which a value is being expresse		
			which a measureme		u, 01 1	namer m
			03	Seconds		
			12	Packet		
			1X	Quarter Mile		
			4L	Megabyte		
			AD	Bytes		
			AH	Additional Minutes		
			AI	Average Minutes Per Call		
			AL	Access Lines		
			AN	Minutes or Messages		
			C0	Calls		
			DA	Days		
			DC	Disk (Disc)		
			DH	Miles		
			DK	Kilometers		
			DQ	Data Records		
			DY	Directory Books		
			EA	Each Electronic Mail Boxes		
			EB EV			
			F3	Envelope Equivalent		
			G7	Microfiche Sheet		
			H1	Half Pages - Electronic		
			HR	Hours		
			НТ	Half Hour		
			KB	Kilocharacters		
			KF	Kilopackets		
			KJ	Kilosegments		
			M0	Magnetic Tapes		
			M4	Monetary Value		
			MJ	Minutes		
			MO	Months		
			MR	Meter		
			NF	Messages		
			NH	Message Hours		
			NJ	Number of Screens		

			OT	Overtime Hours		
			P0	Pages - Electronic		
			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service	- Aver	rage
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line -	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	C00102	1018	Exponent		O	R 1/15
Not Used	C00103	649	Multiplier		O	R 1/10
Not Used	C00104	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent		O	R 1/15
Not Used	C00106	649	Multiplier		O	R 1/10
Not Used	C00107	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent		O	R 1/15
Not Used	C00109	649	Multiplier		O	R 1/10
Not Used	C00110	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent		O	R 1/15
Not Used	C00112	649	Multiplier		O	R 1/10
Not Used	C00113	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent		0	R 1/15
Not Used	C00115	649	Multiplier		O	R 1/10
Not Used	QTY04	61	Free-Form Mes	sage	X	AN 1/30

Segment: SI Service Characteristic Identification

**Position:** 300

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use:

**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.
- If either SI16 or SI17 is present, then the other is required.
   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: Notes:

- 1 SI01 defines the source for each of the service characteristics qualifiers.
- 1. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.
- 2. When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '4'.

	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>	Attı	ributes
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	<b>SI05</b>	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	<b>SI07</b>	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI09	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI11	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2

		Code from an industry code list qualifying the type of servi	ce chai	racteristics
SI13	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servi	ce chai	acteristics
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servi	ce cha	racteristics
<b>SI17</b>	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servi	ce cha	racteristics
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of servi	ce chai	racteristics
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

ITA Allowance, Charge or Service **Segment: Position:** Loop: ITA Optional Level: Detail Optional Usage: Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA08 is present, then ITA09 is required. If ITA15 is present, then ITA02 is required. 3 If ITA17 is present, then ITA12 is required. 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 5 If either ITA10 or ITA11 is present, then the other is required. **Semantic Notes:** ITA09 is the allowance or charge percent. 1 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:** If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 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.

Notes:

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

ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated

# **Data Element Summary**

ITA13 is used to clarify the allowance, charge, or service.

	Ref.	Data		<u>-</u>		
	Des.	<b>Element</b>	<u>Name</u>		Att	<u>ributes</u>
M	ITA01	248	Allowance	e or Charge Indicator	$\mathbf{M}$	<b>ID</b> 1/1
			Code which	ch indicates an allowance or charge for the service	speci	fied
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Q	ualifier Code	X	ID 2/2
			Code iden	tifying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Se	ervices Code	$\mathbf{X}$	ID 2/10
			Code iden	tifying the special service		
			See OBF	Section 10.4 for a list of valid values.		
M	ITA04	331	Allowance	e or Charge Method of Handling Code	M	ID 2/2
			Code indic	cating method of handling for an allowance or char	ge	
			04	Credit Customer Account		
			06	Charge to be Paid by Customer		
			ZZ	Mutually Defined		
	ITA05	341	Allowance	e or Charge Number	O	AN 1/16
			The number	er assigned by a vendor referencing an allowance,	prom	otion, deal or
	ITA06	359	-	e or Charge Rate	O	R 1/15
			Allowance	e or Charge Rate per Unit		

ITA07	360	Allowance or Ch	narge Total Amount	o	N2 1/15
		Total dollar amou	int for the allowance or charge		
ITA08	378	Allowance/Char	ge Percent Qualifier	O	ID 1/1
			on what basis allowance or charge percent is	calc	ulated
		9	Late Payment Charge Base Amount		
ITA09	332	Percent		X	R 1/6
		Percent expressed	d as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value of	quantity		
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2
		Code specifying t	the units in which a value is being expressed	l, or i	manner in
			ment has been taken		
		03	Seconds		
		12	Packet		
		1X	Quarter Mile		
		AD	Bytes		
		AH	Additional Minutes		
		AI	Average Minutes Per Call		
		AL	Access Lines		
		AN	Minutes or Messages		
		C0	Calls		
		DA	Days		
		DC	Disk (Disc)		
		DH	Miles		
		DK	Kilometers		
		DQ	Data Records		
		DY	Directory Books		
		EA	Each		
		EB	Electronic Mail Boxes		
		EV	Envelope		
		G7	Microfiche Sheet		
		H1	Half Pages - Electronic		
		HR	Hours		
		HT	Half Hour		
		KB	Kilocharacters		
		KF	Kilopackets		
		KJ	Kilosegments		
		M0	Magnetic Tapes		
		M4	Monetary Value		
		MJ	Minutes		
		MO	Months		
		MR	Meter		
		NF	Messages		
		NH	Message Hours		
		NJ	Number of Screens		
		OT	Overtime Hours		
		P0	Pages - Electronic		

			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0 Telecommunications Lines in Service			
			UB Telecommunications Lines in Service - Ave			age
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line - A	Avera	ge
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	ITA12	380	Quantity		X	R 1/15
	ITA13	352	Description		X	AN 1/80
			A free-form descr	ription to clarify the related data elements ar	nd the	eir content
	ITA14	150	Special Charge of	or Allowance Code	X	ID 3/3
				type of special charge or allowance		
			Refer to 004010 I	Data Element Dictionary for acceptable code	e valu	ies.
Not Used	ITA15	822	Source Subqualit	fier	O	AN 1/15
	ITA16	662	Relationship Cod	le	O	ID 1/1
			Code indicating the	ne relationship between entities		
			Refer to 004010 I	Data Element Dictionary for acceptable code	e valu	ies.
Not Used	ITA17	355	Unit or Basis for	<b>Measurement Code</b>	O	ID 2/2

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 If DTM04 is present, then DTM03 is required.

If either DTM05 or DTM06 is present, then the other is required.

3 At least one of DTM02 DTM03 or DTM05 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".

			Dat	a Element Summary		
	Ref.	Data				
	Des.	Element	Name Name	0 1101		ributes
M	DTM01	374	Date/Time		M	ID 3/3
				ying 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		
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
			197	End		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	DTM02	373	Date		X	<b>DT 8/8</b>
			Date express	sed as CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	<b>DTM05</b>	1250	Date Time l	Period Format Qualifier	X	ID 2/3
Not Used	<b>DTM06</b>	1251	Date Time l	Period	X	AN 1/35

**TXI05** 

956

TXI Tax Information **Segment: Position:** Loop: ITA **Optional** Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments: Notes:** When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "4". **Data Element Summary** Ref. Data <u>Attributes</u> **Element** Name Des. M TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount TXI03 954 Percent R 1/10 Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.

Code identifying the taxing jurisdiction

X AN 1/10

**Tax Jurisdiction Code** 

TXI06	441	Tax Exempt Cod	e	X	ID 1/1
		Code identifying e	exemption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
TXI07	662	Relationship Cod	le	O	ID 1/1
		Code indicating th	e relationship between entities		
		A	Add		
		D	Delete		
		O	Information Only		
TXI08	828	<b>Dollar Basis For</b>	Percent	O	R 1/9
		Dollar basis to be	used in the percent calculation of the allow	ance,	, charge or
		tax			
TXI09	325	Tax Identification	n Number	O	AN 1/20
		_	to a purchaser (buyer, orderer) by a taxing		
		county, etc.); ofter	n called a tax exemption number or certific	ate nı	ımber
TXI10	350	Assigned Identifi	cation	O	AN 1/20
		Alphanumeric cha	racters assigned for differentiation within a	a tran	saction set

NM1 Individual or Organizational Name **Segment:** 

**Position:** 340

> Loop: NM1 Optional

Level: Detail Usage: Optional Max Use:

To supply the full name of an individual or organizational entity **Purpose: Syntax Notes:** If either NM108 or NM109 is present, then the other is required.

If NM111 is present, then NM110 is required.

**Semantic Notes:** 1 NM102 qualifies NM103.

**Comments:** 1 NM110 and NM111 further define the type of entity in NM101.

When submitting the 811 to any federal agency, use of the NM1 segment is optional **Notes:** 

when HL03 is ''4''.

			Data Eleme	ent Summary		
	Ref.	Data				
M	<u>Des.</u> NM101	Element 98	Name Entity Identifier Co	o.do	Attr M	ributes ID 2/3
IVI	INIVITUI	90	•	organizational entity, a physical location,		
			individual	organizational entity, a physical location,	prop	city of all
				e only valid codes at HL1 (Service Provi	der L	.evel).
			9D	New Service Provider		
			AG	Agent/Agency		
			AK	Party to Whom Acknowledgment Should	d Be	Sent
			AO	Account Of		
			BS	Bill and Ship To		
			C3	Circuit Location Identifier		
			CA	Carrier		
			CT	Country of Origin		
			EN	End User		
			GP	Gateway Provider		
			IA	Installed At		
			P9	Primary Interexchange Carrier (PIC)		
			PE	Payee		
			PM	Party to receive paper Memo of Invoice		
			PR	Payer		
			RI	Remit To		
			RL	Reporting Location		
			SE	Selling Party		
			SJ	Service Provider		
M	NM102	1065	<b>Entity Type Qualif</b>	ier	M	<b>ID</b> 1/1
			Code qualifying the	type of entity		
			Refer to 004010 Dat	ta Element Dictionary for acceptable code	valu	es.
	NM103	1035	Name Last or Orga	anization Name	O	AN 1/35
				or organizational name		
	NM104	1036	Name First		O	AN 1/25
			Individual first name	e		
	NM105	1037	Name Middle		O	AN 1/25

Individual middle name or initial

	NM106	1038	Name Prefix		0	AN 1/10
			Prefix to individ	ual name		
	NM107	1039	Name Suffix		O	AN 1/10
			Suffix to individ	ual name		
	NM108	66	Identification C	ode Qualifier	X	ID 1/2
				g the system/method of code structure used to	for Id	entification
			Code (67)	3		
			Code values '41	', '42' and '91' are the only valid values at I	HL1 (	Service
			Provider Level).			
			10	Department of Defense Activity Addres (DODAAC)	ss Co	de
			33	Commercial and Government Entity (C	AGE	)
			40	Electronic Mail User Code		
			41	Telecommunications Carrier Identificat	ion C	Code
			42	Telecommunications Pseudo Carrier Id	entifi	cation Code
			91	Assigned by Seller or Seller's Agent		
			92	Assigned by Buyer or Buyer's Agent		
			EF	Electronic Funds Transfer ID Number		
			UE	Unique Entity Identifier		
			ZY	Temporary Identification Number		
	NM109	67	<b>Identification C</b>	ode	X	AN 2/80
				a party or other code		
			'42' use Pseudo If NM108 = '42 NM108 = '41' u	se CIC code list maintained by Lockheed M CIC list provided in OBF Section 10.4. use CIC Code list maintained by Lockheed se Pseudo-CIC list provided in OBF Section	d Mai	rtin. If
Not Used	NM110	706	Entity Relation	<del>-</del>	X	ID 2/2
Not Used	NM111	98	<b>Entity Identifie</b>	r Code	O	ID 2/3

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".

	Ref.	Data		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

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".

M	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information	<u>Attributes</u> M AN 1/55	
			Address information		
	N302	166	<b>Address Information</b>	O AN 1/55	
			Address information		

Segment: N4 Geographic Location

**Position:** 370

Loop: NM1 Optional

Level: Detail
Usage: Optional

Max Use:

Purpose: To specify the geographic place of the named party

Syntax Notes: Semantic Notes: Comments: 1 If N406 is present, then N405 is required.

1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

2 N402 is required only if city name (N401) is in the U.S. or Canada.

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

Ref.	Data		·		
Des.	<b>Element</b>	<u>Name</u>		Att	<u>ributes</u>
N401	19	City Name		O	AN 2/30
		Free-form text for c	rity name		
N402	156	State or Province	Code	O	ID 2/2
		Code (Standard Sta	te/Province) as defined by appropriate go	vernn	nent agency
N403	116	Postal Code		O	ID 3/15
		Code defining inter (zip code for United	national postal zone code excluding punc d States)	tuatio	on and blanks
N404	26	<b>Country Code</b>		O	ID 2/3
		Code identifying the	e country		
N405	309	<b>Location Qualifier</b>	•	$\mathbf{X}$	ID 1/2
		Code identifying ty	pe of location		
		AC	City and State		
		AR	Armed Services Location Designation		
		CC	Country		
		CI	City		
		SP	State/Province		
N406	310	Location Identifier	r	O	AN 1/30
		Code which identifi	les a specific location		

Segment: PER Administrative Communications Contact

**Position:** 380

Loop: NM1 Optional

Level: Detail
Usage: Optional
Max Use: 3

**Purpose:** To identify a person or office to whom administrative communications should be directed

**Syntax Notes:** 1 If either PER03 or PER04 is present, then the other is required.

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**

Data Element Summary								
	Ref.	Data						
	Des.	<b>Element</b>	<u>Name</u>			<u>ributes</u>		
M	PER01	366	<b>Contact Function</b>			ID 2/2		
			Code identifying the	e major duty or responsibility of the perso	n or	group named		
			AD	Accounting Department				
			AR	Accounts Receivable Department				
			BD	Buyer Name or Department				
			BI	Bill Inquiry Contact				
			CC	Computer Systems Contact				
			DA	Directory Advertising Contact				
			IC	Information Contact				
			MA	Maintenance Contact				
			OC	Order Contact				
			OD	Order Department				
			PM	Product Manager				
			QA	Quality Assurance Contact				
			SR	Sales Representative or Department				
			TR	Technical Marketing Representative				
	PER02	93	Name		O	AN 1/60		
			Free-form name					
	PER03	365	Communication N	umber Qualifier	$\mathbf{X}$	ID 2/2		
			Code identifying the	e type of communication number				
			AU	Defense Switched Network				
				This code is to be used only within the	feder	al		
				government.				
			EM	Electronic Mail				
			FX	Facsimile				
			TE	Telephone				
			UR	Uniform Resource Locator (URL)				
	PER04	364	Communication N	umber	X	AN 1/80		
			Complete communi applicable	cations number including country or area	code	when		
				ications number including country or ar	ea co	de when		

004010D811T4 101 November 6, 2012

applicable.

PER05	365	Communication Number Qualifier		X	ID 2/2
		Code identifying the type of communication number			
		AU	Defense Switched Network		
			This code is to be used only within the	feder	ral
		EM.	government.		
		EM	Electronic Mail		
		FX	Facsimile		
PEDAG	264	TE	Telephone	<b>T</b> 7	A N.T. 4 /00
PER06	364	Communication N		X	AN 1/80
		applicable	ications number including country or area	coae	wnen
PER07	365	Communication N	umber Qualifier	X	ID 2/2
			e type of communication number		
		AA	International Telephone Access Code		
		AB	Joint Facsimile and Phone Number		
		AC	Message Only Voice Number		
		AD	Delivery Location Phone		
		AP	Alternate Telephone		
		AS	Answering Service		
		AU	Defense Switched Network		
		BN	Beeper Number		
		BT	BTX Number		
		CA	Cable		
		CP	Cellular Phone		
		DN	Defense Data Network (DDN)		
		ED	Electronic Data Interchange Access Nur	mber	
		EM	Electronic Mail		
		EX	Telephone Extension		
		FT	Federal Telecommunications System (F	TS)	
		FU	Facsimile User Identifier		
		FX	Facsimile		
		HF	Home Facsimile Number		
		HP	Home Phone Number		
		IT	International Telephone		
		MN	Modem Number		
		NP	Night Telephone		
		OF	Other Residential Facsimile Number		
		OT	Other Residential Telephone Number		
		PA	Appointment Phone		
		PC	Personal Cellular		
		PP	Personal Phone		
		PS	Packet Switching		
		SP	Showing Phone		
		TE	Telephone		
		TL	Telex		
		TM	Telemail		
		TN	Teletex Number		

			TX	TWX		
			UR	Uniform Resource Locator (URL)		
			VM	Voice Mail		
			WC	Work Cellular		
			WF	Work Facsimile Number		
			WP	Work Phone Number		
	PER08	364	Communica	tion Number	K	AN 1/80
			Complete con applicable	mmunications number including country or area co	de	when
Not Used	PER09	443		uiry Reference (	)	AN 1/20

Segment: SLN Subline Item Detail

**Position:** 390

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify product subline detail item data

**Syntax Notes:** 1 If either SLN04 or SLN05 is present, then the other is required.

- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- **6** If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- **10** If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

### **Semantic Notes:**

- 1 SLN01 is the identifying number for the subline item.
- 2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
- 3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
- 4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.

### **Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
- 3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

### Notes:

- 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".

	Ref.	Data			
	Des.	<b>Element</b>	Name	Att	ributes
M	SLN01	350	Assigned Identification	M	AN 1/20
			Alphanumeric characters assigned for differentiation within	a tran	saction set
	SLN02	350	Assigned Identification	O	AN 1/20
			Alphanumeric characters assigned for differentiation within	a tran	saction set
M	SLN03	662	Relationship Code	M	<b>ID</b> 1/1
			Code indicating the relationship between entities		
			I Included		
Must Use	SLN04	380	Quantity	X	R 1/15
			Numeric value of quantity		
	SLN05	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures Appel of use)	endix f	for examples

M	C00101	355	Unit or Basis for M	Ieasurement 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				
				'M4', rules of extended pricing do not ap a used, 'M4' equals the roll up from lower		_	
			summing rules in C			is (see OBI	
			Refer to 004010 Da	ta Element Dictionary for acceptable code	valu	es.	
Not Used	C00102	1018	Exponent		O	R 1/15	
Not Used	C00103	649	Multiplier		O	R 1/10	
Not Used	C00104	355	Unit or Basis for M	Ieasurement Code	O	ID 2/2	
Not Used	C00105	1018	Exponent		O	R 1/15	
Not Used	C00106	649	Multiplier		0	R 1/10	
Not Used	C00107	355	Unit or Basis for M	Ieasurement Code	0	ID 2/2	
Not Used	C00108	1018	Exponent		0	R 1/15	
Not Used	C00109	649	Multiplier		0	R 1/10	
Not Used	C00110	355	Unit or Basis for M	1easurement Code	0	ID 2/2	
Not Used	C00111	1018	Exponent		0	R 1/15	
Not Used	C00112	649	Multiplier		0	R 1/10	
Not Used	C00113	355	Unit or Basis for M	Ieasurement Code	0	ID 2/2	
Not Used	C00114	1018	Exponent		0	R 1/15	
Not Used	C00115	649	Multiplier		O	R 1/10	
	SLN06	212	Unit Price		X	R 1/17	
				oduct, service, commodity, etc.	_		
	SLN07	639	Basis of Unit Price		0	ID 2/2	
				e type of unit price for an item			
			BD	Before Discount			
			CP	Current Price (Subject to Change)			
			CT	Contract			
			DP	Daily Price per Unit			
			PB	Annual Price Per Unit			
			PE	Price per Each			
			PM	Monthly Price Per Unit			
			TE	Contract Price per Each			
			TP	Price per Thousand			
	GT 3700		WI	Weekly Price per Unit			
	SLN08	662	Relationship Code		0	ID 1/1	
				relationship between entities			
			A	Add			
			D	Delete			
			I	Included			
	CT NIOO	225	O	Information Only	₹7	ID 2/2	
	SLN09	235	Product/Service II		X	ID 2/2	
			Product/Service ID		ea in		
			_	rarily being used for code 'WJ'.			
			SV	Service Rendered			
			VP	Vendor's (Seller's) Part Number			
			ZZ	Mutually Defined			

	SLN10	234	Product/Service ID  Identifying number for a product or service	X	AN 1/48
			If SLN09 = 'SV' or 'ZZ', see OBF Section 10.4 for a list of	<sup>r</sup> valid	values.
	SLN11	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)	used ir	1
	CT 314.6		ZZ Mutually Defined		137.4.40
	SLN12	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
Not Used	SLN13	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN14	234	Product/Service ID	X	AN 1/48
Not Used	SLN15	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN16	234	Product/Service ID	X	AN 1/48
Not Used	SLN17	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN18	234	Product/Service ID	X	AN 1/48
Not Used	SLN19	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN20	234	Product/Service ID	X	AN 1/48
Not Used	SLN21	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN22	234	Product/Service ID	X	AN 1/48
Not Used	SLN23	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN24	234	Product/Service ID	X	AN 1/48
Not Used	SLN25	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN26	234	Product/Service ID	X	AN 1/48
Not Used	SLN27	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	SLN28	234	Product/Service ID	X	AN 1/48

Segment: SI Service Characteristic Identification

**Position:** 400

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: 10

**Purpose:** To specify service characteristic data

**Syntax Notes:** 

- 1 If either SI04 or SI05 is present, then the other is required.
- 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:

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 '8'.

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

	Ref.	Data	v		
3.5	Des.	<u>Element</u>	Name	_	ributes
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI09	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI11	234	Product/Service ID	X	AN 1/48
	3	<del></del> -	Identifying number for a product or service		, 10
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2

		Code from an industry code list qualifying the type of service characte					
SI13	234	Product/Service ID	X	AN 1/48			
		Identifying number for a product or service					
SI14	1000	Service Characteristics Qualifier	X	AN 2/2			
		Code from an industry code list qualifying the type of service	chai	racteristics			
SI15	234	Product/Service ID	X	AN 1/48			
		Identifying number for a product or service					
SI16	1000	Service Characteristics Qualifier	X	AN 2/2			
		Code from an industry code list qualifying the type of service	chai	racteristics			
SI17	234	Product/Service ID	X	AN 1/48			
		Identifying number for a product or service					
SI18	1000	Service Characteristics Qualifier	X	AN 2/2			
		Code from an industry code list qualifying the type of service	char	acteristics			
SI19	234	Product/Service ID	X	AN 1/48			
		Identifying number for a product or service					
<b>SI20</b>	1000	Service Characteristics Qualifier	X	AN 2/2			
		Code from an industry code list qualifying the type of service	char	racteristics			
SI21	234	Product/Service ID	X	AN 1/48			
		Identifying number for a product or service					

Segment: PID Product/Item Description

**Position:** 410

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: 200

**Purpose:** To describe a product or process in coded or free-form format

**Syntax Notes:** 

- 1 If PID04 is present, then PID03 is required.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.4 If PID08 is present, then PID04 is required.
- 4 If PIDU8 is present, then PIDU4 is required
- 5 If PID09 is present, then PID05 is required.

### **Semantic Notes:**

- 1 Use PID03 to indicate the organization that publishes the code list being referred to.
- 2 PID04 should be used for industry-specific product description codes.
- 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
- PID09 is used to identify the language being used in PID05.

### **Comments:**

- If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

### Notes:

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

	Ref.	Data	Data Element Summary		
	Des.	<b>Element</b>	<u>Name</u>	Att	<u>ributes</u>
$\mathbf{M}$	PID01	349	Item Description Type	$\mathbf{M}$	<b>ID</b> 1/1
			Code indicating the format of a description		
			Refer to 004010 Data Element Dictionary for acceptable co	de valu	ies.
Not Used	PID02	750	Product/Process Characteristic Code	O	ID 2/3
	PID03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
			AS Assigned by Seller		
	PID04	<b>751</b>	<b>Product Description Code</b>	X	AN 1/12
			A code from an industry code list which provides specific decharacteristic	ata abo	out a product
	PID05	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements a	and the	eir content
Not Used	PID06	752	Surface/Layer/Position Code	O	ID 2/2
Not Used	PID07	822	Source Subqualifier	O	AN 1/15
Not Used	PID08	1073	Yes/No Condition or Response Code	O	ID 1/1
Not Used	PID09	819	Language Code	O	ID 2/3

Segment: CUR Currency

Position: 420

Loop: SLN Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

**Syntax Notes:** 

- If CUR08 is present, then CUR07 is required.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 Eleme	ent Summary		
M	Ref. <u>Des.</u> CUR01	Data Element 98	Name Entity Identifier Co	ode		ributes ID 2/3
			Code identifying an individual PR	organizational entity, a physical location, Payer	prop	erty or an
M	CUR02	100	<b>Currency Code</b>		M	ID 3/3
			Code (Standard ISO	) for country in whose currency the charg	es ar	e specified
				lars s of America, Dollars es, request ISO 4217 Currency Code List	t <b>.</b>	
	CUR03	280	<b>Exchange Rate</b>	· ·	O	R 4/10
			from one currency to		mone	•
	CUR04	98	<b>Entity Identifier C</b>		O	ID 2/3
			Code identifying an individual	organizational entity, a physical location,	prop	erty or an
			PE	Payee		
			PM	Party to receive paper Memo of Invoice		
			RI	Remit To		
			SE	Selling Party		
			SJ	Service Provider		
	CUR05	100	<b>Currency Code</b>		0	ID 3/3
			Code (Standard ISO	) for country in whose currency the charg	es ar	e specified

				Canada, Dollars		
			USD (	United States of America, Dollars		
			For ada	litional values, request ISO 4217 Currency Code Lis	t t	
	CUR06	669		cy Market/Exchange Code	0	ID 3/3
				entifying the market upon which the currency exchan		
			IMF	International Monetary Fund	<i>6</i>	
			LNF	London (England) Exchange - First Clo	sino	
			LNS	London (England) Exchange - Second C	_	ισ
			NYC	New York Foreign Exchange	210511	<del>'</del> 5
			PHI	Philadelphia Foreign Exchange		
			ZUR	Zurich (Switzerland) Exchange		
	CUR07	374		me Qualifier	X	ID 3/3
	CORU	314		ecifying type of date or time, or both date and time	А	110 3/3
			001	Cancel After		
			001	Invoice		
				Effective		
			007			
			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		
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
	CUR08	373	Date		O	<b>DT 8/8</b>
			Date ex	pressed as CCYYMMDD		
	CUR09	337	Time		O	TM 4/8
				pressed in 24-hour clock time as follows: HHMM, or		
				SSD, or HHMMSSDD, where $H = \text{hours}$ (00-23), M		
				integer seconds (00-59) and DD = decimal seconds; ressed as follows: D = tenths (0-9) and DD = hundred		
Not Used	CUR10	374		me Qualifier	шs (с <b>Х</b>	ID 3/3
Not Used	CUR11	373	Date		X	DT 8/8
Not Used	CUR12	337	Time		X	TM 4/8
Not Used	CUR13	374		me Qualifier	X	ID 3/3
Not Used	CUR14	373	Date	me Quamer	X	DT 8/8
Not Used	CUR15	337	Time		X	TM 4/8
Not Used	CUR16	374		me Qualifier	X	ID 3/3
Not Used	CUR17	374	Date Date	me Anninei	X	DT 8/8
Not Used	CUR17	373	Time		X	TM 4/8
Not Used	CUR19	374		me Qualifier	X	ID 3/3
Not Used	CUR19 CUR20			me Anamiei		DT 8/8
		373	Date Time		X	
Not Used	CUR21	337	Time		X	TM 4/8

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**

	Ref.	Data			
3.6	Des.	<b>Element</b>	Name To Colo		ributes
M	INC01	336	Terms Type Code	M	ID 2/2
			Code identifying type of payment terms		
		G0.04	04 Deferred or Installment		
M	INC02	C001	Composite Unit of Measure	M	
			To identify a composite unit of measure (See Figures Appeal of use)	ndix f	or examples
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expressed which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable cod		
Not Used	C00102	1018	Exponent	O	R 1/15
Not Used	C00103	649	Multiplier	O	R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent	O	R 1/15
Not Used	C00106	649	Multiplier	O	R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent	O	R 1/15
Not Used	C00109	649	Multiplier	O	R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent	O	R 1/15
Not Used	C00112	649	Multiplier	O	R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent	O	R 1/15
Not Used	C00115	649	Multiplier	O	R 1/10
M	INC03	380	Quantity	M	R 1/15
			Numeric value of quantity		
			Indicates the total number of installments.		
M	INC04	380	Quantity	M	R 1/15
			Numeric value of quantity		

Indicates number of current installments.

INC05 782 Monetary Amount

O R 1/18

Monetary amount

Balance remaining after this installment is billed.

ITA Allowance, Charge or Service **Segment: Position:** Loop: SLN Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA08 is present, then ITA09 is required. If ITA15 is present, then ITA02 is required. 3 If ITA17 is present, then ITA12 is required. 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 5 If either ITA10 or ITA11 is present, then the other is required. **Semantic Notes:** ITA09 is the allowance or charge percent. 1 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:** If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 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. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02.

**Notes:** 

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

ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated

	Ref.	Data Element	Name			ributes
M	ITA01	248		ce or Charge Indicator	M <sub>.</sub>	ID 1/1
				ich indicates an allowance or charge for the service	speci	nea
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency	Qualifier Code	X	ID 2/2
			Code ide	ntifying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special S	Services Code	$\mathbf{X}$	ID 2/10
			Code ide	ntifying the special service		
			See OBF	Section 10.4 for a list of valid values.		
M	ITA04	331	Allowan	ce or Charge Method of Handling Code	M	ID 2/2
			Code ind	icating method of handling for an allowance or char	ge	
			04	Credit Customer Account		
			06	Charge to be Paid by Customer		
			ZZ	Mutually Defined		
	ITA05	341	Allowan	ce or Charge Number	O	AN 1/16
			The num charge	ber assigned by a vendor referencing an allowance,	prom	otion, deal or
	ITA06	359	Allowan	ce or Charge Rate	O	R 1/15
			Allowand	ce or Charge Rate per Unit		

ITA07	360	Allowance or Ch	narge Total Amount	o	N2 1/15
			ant for the allowance or charge		
ITA08	378		ge Percent Qualifier	O	ID 1/1
			on what basis allowance or charge percent is	calc	ulated
		9	Late Payment Charge Base Amount		
ITA09	332	Percent		X	R 1/6
		Percent expressed	d as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value of	quantity		
ITA11	355	Unit or Basis for	: Measurement Code	X	ID 2/2
			the units in which a value is being expressed	l, or 1	manner in
			ment has been taken		
		03	Seconds		
		12	Packet		
		1X	Quarter Mile		
		AD	Bytes		
		AH	Additional Minutes		
		AI	Average Minutes Per Call		
		AL	Access Lines		
		AN	Minutes or Messages		
		C0	Calls		
		DA	Days		
		DC	Disk (Disc)		
		DH	Miles		
		DK	Kilometers		
		DQ	Data Records		
		DY	Directory Books		
		EA	Each		
		EB	Electronic Mail Boxes		
		EV	Envelope		
		G7	Microfiche Sheet		
		H1	Half Pages - Electronic		
		HR	Hours		
		HT	Half Hour		
		KB	Kilocharacters		
		KF	Kilopackets		
		KJ	Kilosegments		
		M0	Magnetic Tapes		
		M4	Monetary Value		
		MJ	Minutes		
		MO	Months		
		MR	Meter		
		NF	Messages		
		NH	Message Hours		
		NJ	Number of Screens		
		OT	Overtime Hours		
		P0	Pages - Electronic		

			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service -	Aver	age
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line - A	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	ITA12	380	Quantity		X	R 1/15
	ITA13	352	Description		X	AN 1/80
			A free-form descr	iption to clarify the related data elements a	nd the	eir content
	ITA14	150	-	or Allowance Code	X	ID 3/3
				type of special charge or allowance		
				10.4 for a list of valid values.		
Not Used	ITA15	822	Source Subquali		O	AN 1/15
	ITA16	662	Relationship Cod		O	ID 1/1
			Code indicating the	ne relationship between entities		
			A	Add		
			D	Delete		
			I	Included		
			O	Information Only		
Not Used	ITA17	355	Unit or Basis for	<b>Measurement Code</b>	O	ID 2/2

TXI04

**TXI05** 

955

956

TXI Tax Information **Segment: Position:** Loop: **SLN** Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments:** Notes: When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "8". **Data Element Summary** Ref. Data <u>Attributes</u> **Element** Name Des. M TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount TXI03 954 Percent X R 1/10 Percentage expressed as a decimal Tax rate for this jurisdiction.

Code identifying the taxing jurisdiction

Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.

**Tax Jurisdiction Code Qualifier** 

**Tax Jurisdiction Code** 

X ID 2/2

X AN 1/10

TXI06	441	Tax Exempt Code	e	X	<b>ID</b> 1/1
		Code identifying e	xemption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
TXI07	662	Relationship Cod	e	O	<b>ID</b> 1/1
		Code indicating th	e relationship between entities		
		A	Add		
		D	Delete		
		I	Included		
		O	Information Only		
TXI08	828	Dollar Basis For	Percent	O	R 1/9
		Dollar basis to be	used in the percent calculation of the allow	ance,	charge or
		tax			
TXI09	325	Tax Identification	n Number	O	AN 1/20
		_	to a purchaser (buyer, orderer) by a taxing a called a tax exemption number or certific		
TXI10	350	Assigned Identific	cation	O	AN 1/20
		Alphanumeric cha	racters assigned for differentiation within a	a tran	saction set

Segment: REF Reference Identification

**Position:** 460

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** Comments:

**Notes:** 

1 REF04 contains data relating to the value cited in REF02.

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

	D. C	D 4	Data Elem	ent Summary				
M	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	<u>Name</u> Reference Identific	cation Qualifier	_	ributes ID 2/3		
				Reference Identification				
			12	Billing Account				
			1J	Facility ID Number				
			4L	Location-specific Services Reference N	umbe	er		
			6R	Provider Control Number				
			7I	Subscriber Authorization Number				
			8M	Originating Company Identifier				
			8N	Receiving Company Identifier				
			AAO	Carrier Assigned Code				
			AT	Appropriation Number				
			BF	Billing Center Identification				
			BLT	Billing Type				
			CA	Cost Allocation Reference				
			LJ	Local Jurisdiction				
			LU	Location Number				
			P4	Project Code				
			RO	Repetitive Booking Number				
			SU	Special Processing Code				
			V0	Version				
			YN	Receiver ID Qualifier				
			ZH	Carrier Assigned Reference Number				
			ZZ	Mutually Defined				
	REF02	127	Reference Identifie	cation	X	AN 1/30		
	D-1702	252	specified by the Ref	ion as defined for a particular Transactior ference Identification Qualifier				
	REF03	352	Description		X	AN 1/80		
	DEE0.4	G0.40	•	tion to clarify the related data elements a		eir content		
	REF04	C040	Reference Identifie		0			
			To identify one or more reference numbers or identification numbers as					

specified by the Reference Qualifier

M	C04001	128	Reference Ide	entification Qualifier	M	ID 2/3
			Code qualifyir	ng the Reference Identification		
			1J	Facility ID Number		
			ACB	Region		
$\mathbf{M}$	C04002	127	Reference Ide	entification	M	AN 1/30
				ormation as defined for a particular Transaction Reference Identification Qualifier	on Set o	or as
	C04003	128	Reference Ide	entification Qualifier	X	ID 2/3
			Code qualifyir	ng the Reference Identification		
	C04004	127	Reference Ide	entification	X	AN 1/30
				ormation as defined for a particular Transaction Reference Identification Qualifier	on Set o	or as
Not Used	C04005	128	Reference Ide	entification Qualifier	X	ID 2/3
Not Used	C04006	127	Reference Ide	entification	X	AN 1/30

PER Administrative Communications Contact **Segment:** 

**Position:** 

SLN Loop: Optional

Level: Detail Usage: **Optional** Max Use:

To identify a person or office to whom administrative communications should be directed **Purpose:** 

**Syntax Notes:** If either PER03 or PER04 is present, then the other is required.

If either PER05 or PER06 is present, then the other is required.

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 Flement Summary

			Data Eler	nent Summary		
	Ref.	Data				
	Des.	<b>Element</b>	Name			<u>ributes</u>
M	PER01	366	<b>Contact Function</b>			ID 2/2
				he major duty or responsibility of the perso	on or g	group named
			AD	Accounting Department		
			AR	Accounts Receivable Department		
			BD	Buyer Name or Department		
			BI	Bill Inquiry Contact		
			CC	Computer Systems Contact		
			DA	Directory Advertising Contact		
			IC	Information Contact		
			MA	Maintenance Contact		
			OC	Order Contact		
			OD	Order Department		
			PM	Product Manager		
			QA	Quality Assurance Contact		
			SR	Sales Representative or Department		
			TR	Technical Marketing Representative		
	PER02	93	Name		O	AN 1/60
			Free-form name			
	PER03	365	Communication I	Number Qualifier	X	ID 2/2
			Code identifying the	he type of communication number		
			AU	Defense Switched Network		
				This code is to be used only within the	feder	al
				government.		
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
			UR	Uniform Resource Locator (URL)		
	PER04	364	Communication I	Number	X	AN 1/80
			Complete communapplicable	nications number including country or area	code	when
			Complete commun	nications number including country or ar	ea co	de when

applicable.

PER05	365	Communication N	Number Qualifier	X	ID 2/2
		Code identifying th	ne type of communication number		
		AU	Defense Switched Network		
			This code is to be used only within the government.	feder	al
		EM	Electronic Mail		
		FX	Facsimile		
		TE	Telephone		
PER06	364	Communication N	Number	$\mathbf{X}$	AN 1/80
		Complete commun applicable	ications number including country or area	code	when
PER07	365	Communication N	Number Qualifier	$\mathbf{X}$	ID 2/2
		Code identifying th	ne type of communication number		
		AA	International Telephone Access Code		
		AB	Joint Facsimile and Phone Number		
		AC	Message Only Voice Number		
		AD	Delivery Location Phone		
		AP	Alternate Telephone		
		AS	Answering Service		
		AU	Defense Switched Network		
		BN	Beeper Number		
		BT	BTX Number		
		CA	Cable		
		CP	Cellular Phone		
		DN	Defense Data Network (DDN)		
		ED	Electronic Data Interchange Access Nur	mber	
		EM	Electronic Mail		
		EX	Telephone Extension		
		FT	Federal Telecommunications System (F	TS)	
		FU	Facsimile User Identifier		
		FX	Facsimile		
		HF	Home Facsimile Number		
		HP	Home Phone Number		
		IT	International Telephone		
		MN	Modem Number		
		NP	Night Telephone		
		OF	Other Residential Facsimile Number		
		OT	Other Residential Telephone Number		
		PA	Appointment Phone		
		PC	Personal Cellular		
		PP	Personal Phone		
		PS	Packet Switching		
		SP	Showing Phone		
		TE	Telephone		
		TL	Telex		
		TM	Telemail		
		TN	Teletex Number		

			TX	TWX		
			UR	Uniform Resource Locator (URL)		
			VM	Voice Mail		
			WC	Work Cellular		
			WF	Work Facsimile Number		
			WP	Work Phone Number		
	PER08	364	Communica	ntion Number	X	AN 1/80
			Complete co applicable	mmunications number including country or are	a code	when
Not Used	PER09	443	* *	uiry Reference	O	AN 1/20

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 If DTM04 is present, then DTM03 is required.

- If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 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".

	<b>.</b>	<b>-</b>	Data Ele	ement Summary		
	Ref.	Data	NT.			••
M	Des.	Element 374	Name	• C*		ributes
M	DTM01	3/4	Date/Time Quali		NI	ID 3/3
				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		
			153	Service Interruption		
			154	Adjustment Period Start		
			155	Adjustment Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	DTM02	373	Date	-	X	<b>DT 8/8</b>
			Date expressed as	s CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2

Not Used	DTM05	1250	Date Time Period Format Qualifier	X	ID $2/3$
Not Used	DTM06	1251	Date Time Period	X	AN 1/35

Segment: AMT Monetary Amount

**Position:** 490

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: 15

**Purpose:** To indicate the total monetary amount

Syntax Notes: Semantic Notes: Comments:

Notes: When submitting the 811 to any federal agency, use of the AMT segment is optional

when HL03 is "8".

			Data Eleme	ent Summary		
	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>	-		ibutes
M	AMT01	522	Amount Qualifier (		M	ID 1/3
			Code to qualify amo			
			1	Line Item Total		
			5	Total Invoice Amount		
			6	Amount Subject to Total Monetary Disc	ount	
			8	Total Monetary Discount Amount		
			1E	Fixed Price		
			AD	Adjusted Total		
			AP	Amount Prior to Fractionalization		
			AQ	Average Price Per Call		
			AS	Average Price Per Minute		
			AX	Previous Price		
			BT	Bank Reject Total		
			СН	Change Amount		
			CS	Commission Sales		
			CT	Contract		
			KO	Committed Amount		
			LI	Line Item Unit Price		
			LM	Limit		
			N	Net		
			NA	Net Adjustment		
			NO	Non Commission Sales		
			NR	Nonrecurring		
			NS	Net Savings Amount		
			PB	Billed Amount		
			RJ	Rate Amount		
			SC	Total Service Charge		
			TP	Total payment amount		
			TS	Total Sales		
			TT	Total Transaction Amount		
			ZT	Prorated Amount		
M	AMT02	782	<b>Monetary Amount</b>		M	R 1/18

Monetary amount

Not Used AMT03 478 Credit/Debit Flag Code O ID 1/1

Segment: MSG Message Text

**Position:** 500

Loop: SLN Optional

Level: Detail
Usage: Optional
Max Use: >1

**Purpose:** To provide a free-form format that allows the transmission of text information

**Syntax Notes:** 1 If MSG03 is present, then MSG02 is required.

**Semantic Notes:** 1 MSG03 is the number of lines to advance before printing.

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

2 If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Notes: When submitting the 811 to any federal agency, use of the MSG segment is optional

when HL03 is ''8''.

	Ref.	Data		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>
M	MSG01	933	Free-Form Message Text	M AN 1/264
			Free-form message text	
Not Used	MSG02	934	Printer Carriage Control Code	X ID 2/2
Not Used	MSG03	1470	Number	O N0 1/9

**QTY** Quantity **Segment:** 

**Position:** 

Loop: Optional QTY

Level: Detail Usage: Optional Max Use:

To specify quantity information **Purpose:** 

At least one of QTY02 or QTY04 is required. **Syntax Notes:** 

Only one of QTY02 or QTY04 may be present.

**Semantic Notes: Comments:**  QTY04 is used when the quantity is non-numeric.

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

	Data Element Summary							
	Ref.	Data	•					
M	<u>Des.</u> QTY01	Element 673	Name Quantity Qualifier	Attributes M ID 2/2				
IVI	QTTUI	073	Code specifying the					
			01	Discrete Quantity				
			02	Cumulative Quantity				
			27	Committed Quantity				
			38	Original Quantity				
			47	Primary Net Quantity				
			7K	Time Frame				
			87	Quantity Received				
			8H	Minimum				
			90	Acknowledged Quantity				
			91	Additional Usage Quantity				
			92	Allotted Usage Quantity				
			93	Attendant-Handled Quantity				
			94	Billable Quantity				
			95	Data Storage Quantity				
			96	Non-Billable Quantity				
			97	Non-Urgent Delivery Quantity				
			98	Overflow Quantity				
			99	Quantity Used				
			AA	Unacknowledged Quantity				
			AB	Urgent Delivery Quantity				
			AC	Voice Storage Quantity				
			AD	Maintenance Units				
			AE	Minimum Average Time Requirement (MATR) Units				
			AF	Wide Area Telephone Service (WATS)/800 Service Units				
			AG	Number of End Users				
			AH	Number of Message Recipients				
			AI	Number of Operator Credits				
			AJ	Daily Adjustments				
			D1	Billed				

			M2	Maximum		
			NS	Number of Stations		
			QD	Quantity Delivered		
			TO	Total		
Must Use	QTY02	380	Quantity		X	R 1/15
			Numeric value of q	uantity		
	QTY03	C001	Composite Unit of		O	
				osite unit of measure (See Figures Appe	endix 1	for examples
M	C00101	355	of use)	Measurement Code	M	ID 2/2
171	Coolor	333		e units in which a value is being expresse		
			which a measureme		u, 01 1	namer m
			03	Seconds		
			12	Packet		
			1X	Quarter Mile		
			4L	Megabyte		
			AD	Bytes		
			AH	Additional Minutes		
			AI	Average Minutes Per Call		
			AL	Access Lines		
			AN	Minutes or Messages		
			C0	Calls		
			DA	Days		
			DC	Disk (Disc)		
			DH	Miles		
			DK	Kilometers		
			DQ	Data Records		
			DY	Directory Books		
			EA	Each		
			EB EV	Electronic Mail Boxes		
			F3	Envelope Equivalent		
			G7	Microfiche Sheet		
			H1	Half Pages - Electronic		
			HR	Hours		
			HT	Half Hour		
			KB	Kilocharacters		
			KF	Kilopackets		
			KJ	Kilosegments		
			M0	Magnetic Tapes		
			M4	Monetary Value		
			MJ	Minutes		
			MO	Months		
			MR	Meter		
			NF	Messages		
			NH	Message Hours		
			NJ	Number of Screens		

			OT	Overtime Hours		
			P0	Pages - Electronic		
			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service -	Aver	age
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line - A	Avera	ge
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	C00102	1018	Exponent		O	R 1/15
Not Used	C00103	649	Multiplier		O	R 1/10
Not Used	C00104	355	Unit or Basis for	Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent		O	R 1/15
Not Used	C00106	649	Multiplier		O	R 1/10
Not Used	C00107	355	Unit or Basis for	Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent		O	R 1/15
Not Used	C00109	649	Multiplier		O	R 1/10
Not Used	C00110	355	Unit or Basis for	Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent		O	R 1/15
Not Used	C00112	649	Multiplier		O	R 1/10
Not Used	C00113	355	Unit or Basis for	Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent		O	R 1/15
Not Used	C00115	649	Multiplier		O	R 1/10
Not Used	QTY04	61	Free-Form Mess	age	X	AN 1/30

Segment: SI Service Characteristic Identification

Position: 520

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use:

**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.
- If either SI14 or SI15 is present, then the other is required.
   If either SI16 or SI17 is present, then the other is required.
- If either SI16 or SI17 is present, then the other is required.
   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 '8'.

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

	Ref.	Data	·		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attr</u>	<u>ributes</u>
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	$\mathbf{M}$	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
M	SI03	234	Product/Service ID	$\mathbf{M}$	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	<b>SI07</b>	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	<b>SI08</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI09	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI11	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2

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

NM1 Individual or Organizational Name **Segment:** 

**Position:** 530

> Loop: NM1 Optional

Level: Detail Usage: Optional Max Use:

**Purpose:** To supply the full name of an individual or organizational entity **Syntax Notes:** If either NM108 or NM109 is present, then the other is required.

If NM111 is present, then NM110 is required.

**Semantic Notes:** 1 NM102 qualifies NM103.

**Comments:** 1 NM110 and NM111 further define the type of entity in NM101.

When submitting the 811 to any federal agency, use of the NM1 segment is optional **Notes:** 

when HL03 is "8".

Data Element Summary									
	Ref.	Data	NI		A 44	914			
M	<u>Des.</u> NM101	Element 98	Name Entity Identifier Co	nde		ributes ID 2/3			
141	14141101	70	•	Code identifying an organizational entity, a physical location,					
			individual	organizational entity, a physical foculton,	РГОР	or un			
			'SJ' and '9D' are th	e only valid codes at HL1 (Service Provi	der L	.evel).			
			9D	9D New Service Provider					
			AG	Agent/Agency					
			AK	AK Party to Whom Acknowledgment Should Be Sent					
			AO	AO Account Of					
			BS	Bill and Ship To					
			C3	Circuit Location Identifier					
			CA	Carrier					
			CT	Country of Origin					
			EN	End User					
			GP	Gateway Provider					
			IA Installed At						
			P9 Primary Interexchange Carrier (PIC)						
			PE	Payee					
			PM	Party to receive paper Memo of Invoice					
			PR	Payer					
			RI	Remit To					
			RL	Reporting Location					
			SE	Selling Party					
			SJ	Service Provider					
M	NM102	1065	<b>Entity Type Qualif</b>	ier	M	<b>ID</b> 1/1			
			Code qualifying the	type of entity					
			Refer to 004010 Dat	ta Element Dictionary for acceptable code	valu	es.			
	NM103	1035	Name Last or Orga	nnization Name	O	AN 1/35			
			Individual last name	or organizational name					
	NM104	1036	Name First		O	AN 1/25			
			Individual first name	e					
	NM105	1037	Name Middle		O	AN 1/25			
			Individual middle na	ame or initial					

	NM106	1038	Name Prefix		O	AN 1/10	
			Prefix to individ	ual name			
	NM107	1039	Name Suffix		O	AN 1/10	
			Suffix to individ	lual name			
	NM108	66	Identification (	Code Qualifier	X	ID 1/2	
			Code designatin	g the system/method of code structure used i	for Ide	entification	
			Code (67)				
				', '42' and '91' are the only valid values at I	HL1 (	Service	
			Provider Level).		_		
			10	Department of Defense Activity Addre (DODAAC)	ss Co	de	
			33	Commercial and Government Entity (C	AGE	)	
			40 Electronic Mail User Code				
			41 Telecommunications Carrier Identification Code				
			42	Telecommunications Pseudo Carrier Id	entifi	cation Code	
			91	Assigned by Seller or Seller's Agent			
			92	Assigned by Buyer or Buyer's Agent			
			EF	Electronic Funds Transfer ID Number			
			UE	Unique Entity Identifier			
			ZY	Temporary Identification Number			
	NM109	67	Identification (		X	AN 2/80	
			• •	g a party or other code			
			'42' use Pseudo If NM108 = '42	ise CIC code list maintained by Lockheed M -CIC list provided in OBF Section 10.4. ' use CIC code list maintained by Lockhee se Pseudo-CIC list provided in OBF Section	ed Ma	ertin. If	
Not Used	NM110	706	<b>Entity Relation</b>	ship Code	X	ID 2/2	
Not Used	NM111	98	<b>Entity Identifie</b>	r Code	O	ID 2/3	

N2 Additional Name Information **Segment:** 

**Position:** 540

> Loop: NM1 Optional

Level: Detail **Usage:** Optional Max Use:

To specify additional names or those longer than 35 characters in length **Purpose:** 

**Syntax Notes: Semantic Notes: Comments:** 

When submitting the 811 to any federal agency, use of the N2 segment is optional **Notes:** 

when HL03 is "8".

	Ref.	Data		
	Des.	<b>Element</b>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
	N202	93	Name	O AN 1/60
			Free-form name	

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".

M	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information	Attributes M AN 1/55
			Address information	
	N302	166	Address Information	O AN 1/55
			Address information	

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
ax Notes: 1 If N406 is present, then N405 is required.

Syntax Notes: Semantic Notes: Comments:

1 A combination of either N401 through N404, or N405 and N406 may be adequate to

specify a location.N402 is required only if city name (N401) is in the U.S. or Canada.

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

Ref.	Data		•					
Des.	<b>Element</b>	<u>Name</u>		Attı	<u>ributes</u>			
N401	19	City Name		O	AN 2/30			
		Free-form text for c	ity name					
N402	156	State or Province (	O	ID 2/2				
		Code (Standard Stat	te/Province) as defined by appropriate government	vernn	nent agency			
N403	116	Postal Code		O	ID 3/15			
		•	Code defining international postal zone code excluding punctuation (zip code for United States)					
N404	26	<b>Country Code</b>		O	ID 2/3			
		Code identifying the	e country					
N405	309	<b>Location Qualifier</b>		X	ID 1/2			
		Code identifying typ	pe of location					
		AC	City and State					
		AR	Armed Services Location Designation					
		CC	Country					
		CI	City					
		SP	State/Province					
N406	310	<b>Location Identifier</b>	•	O	AN 1/30			
		Code which identifi	es a specific location					

**REF** Reference Identification **Segment:** 

**Position:** 

Optional Loop: NM1

Level: Detail Usage: Optional Max Use:

**Purpose:** To specify identifying information

**Syntax Notes:** At least one of REF02 or REF03 is required.

If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes: Comments:** 

**Notes:** 

REF04 contains data relating to the value cited in REF02.

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

Data Element Summary						
	Ref.	Data				
3.5	Des.	<b>Element</b>	Name			<u>ributes</u>
M	REF01	128	Reference Identific	_	M	ID 2/3
				Reference Identification		
			1J	Facility ID Number		
			4L	Location-specific Services Reference N	umbe	r
			6R	Provider Control Number		
			7I	Subscriber Authorization Number		
			8M	Originating Company Identifier		
			8N	Receiving Company Identifier		
			AAO	Carrier Assigned Code		
			BF	Billing Center Identification		
			BLT	Billing Type		
			LJ	Local Jurisdiction		
			LU	Location Number		
			P4	Project Code		
			RO	Repetitive Booking Number		
			SU	Special Processing Code		
			V0	Version		
			YN	Receiver ID Qualifier		
			ZH	Carrier Assigned Reference Number		
	REF02	127	Reference Identific	cation	$\mathbf{X}$	AN 1/30
			Reference informati	on as defined for a particular Transaction	Set c	or as
			-	erence Identification Qualifier		
	REF03	352	Description		X	AN 1/80
			=	tion to clarify the related data elements ar	ıd the	eir content
	REF04	C040	Reference Identifie	er	O	
			-	nore reference numbers or identification n	umbe	ers as
3.4	C04001	120	specified by the Ref		3.7	ID 2/2
M	C04001	128	Reference Identific	_	M	ID 2/3
				Reference Identification		
			1J	Facility ID Number		
			ACB	Region		

M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion Set o	or as
	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			ACB Region		
	C04004	127	Reference Identification	$\mathbf{X}$	AN 1/30
			Reference information as defined for a particular Transact specified by the Reference Identification Qualifier	ion Set o	or as
Not Used	C04005	128	Reference Identification Qualifier	$\mathbf{X}$	ID 2/3
Not Used	C04006	127	Reference Identification	$\mathbf{X}$	AN 1/30

PER Administrative Communications Contact **Segment:** 

**Position:** 

Loop: NM1 Optional

Level: Detail Usage: Optional Max Use:

To identify a person or office to whom administrative communications should be directed **Purpose:** 

**Syntax Notes:** If either PER03 or PER04 is present, then the other is required.

If either PER05 or PER06 is present, then the other is required.

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					
	Des.	<b>Element</b>	<u>Name</u>			<u>ributes</u>	
M	PER01	366	<b>Contact Function</b>			ID 2/2	
				e major duty or responsibility of the person	on or	group named	
			AD	Accounting Department			
			AR	Accounts Receivable Department			
			BD	Buyer Name or Department			
			BI	Bill Inquiry Contact			
			CC	Computer Systems Contact			
			DA	Directory Advertising Contact			
			IC	Information Contact			
			MA	Maintenance Contact			
			OC	Order Contact			
			OD	Order Department			
			PM	Product Manager			
			QA	Quality Assurance Contact			
			SR	Sales Representative or Department			
			TR	Technical Marketing Representative			
	PER02	93	Name		O	AN 1/60	
			Free-form name				
	PER03	365	Communication N	lumber Qualifier	X	ID 2/2	
			Code identifying th	e type of communication number			
			AU	Defense Switched Network			
				This code is to be used only within the	feder	ral	
				government.			
			EM	Electronic Mail			
			FX	Facsimile			
			TE	Telephone			
			UR	Uniform Resource Locator (URL)			
	PER04	364	Communication N	lumber	X	AN 1/80	
			Complete communapplicable	ications number including country or area	code	when	
	PER05	365	Communication N	lumber Qualifier	X	ID 2/2	

			Code identify	ying the type of communication number		
			AU	Defense Switched Network		
				This code is to be used only with government.	hin the feder	ral
			EM	Electronic Mail		
			FX	Facsimile		
			TE	Telephone		
	PER06	364	Communica	tion Number	X	AN 1/80
			Complete com	mmunications number including country	or area code	when
Not Used	PER07	365	Communica	tion Number Qualifier	X	ID 2/2
Not Used	PER08	364	Communica	tion Number	X	AN 1/80
Not Used	PER09	443	Contact Ing	uirv Reference	0	AN 1/20

 ${f TCD}$  Itemized Call Detail **Segment:** 

**Position:** 

Loop: **TCD** Optional

Level: Detail Usage: Optional

Max Use:

**Purpose:** To specify detail information for itemized calls

**Syntax Notes:** If either TCD04 or TCD05 is present, then the other is required.

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.
- 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.
- TCD02 is the date of the call.
- 3 TCD03 is the connect time of the call.
- TCD04, TCD05, and TCD06 are the 'to' location of the call.
- 5 TCD07, TCD08, and TCD09 are the 'from' location of the call.
- 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.
- 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**

Ref.	Data						
Des.	<b>Element</b>	<u>Name</u> <u>Attributes</u>					
TCD01	350	Assigned Identification	O	AN 1/20			
		Alphanumeric characters assigned for differentiation within a	tran	saction set			
TCD02	373	Date	O	<b>DT 8/8</b>			
		Date expressed as CCYYMMDD					
TCD03	337	Time	O	TM 4/8			
		Time expressed in 24-hour clock time as follows: HHMM, of HHMMSSD, or HHMMSSDD, where H = hours (00-23), M 59), S = integer seconds (00-59) and DD = decimal seconds; are expressed as follows: D = tenths (0-9) and DD = hundred <i>Connect time of call</i> .	= mi decin	nutes (00- nal seconds			
TCD04	309	Location Qualifier	X	ID 1/2			
		Code identifying type of location					
		Code identifying the type of "TO" location provided in TCD05 and TCD06.					

A value of "ZZ" indicates any point of origination/termination or service for a call that cannot be qualified by traditional geographic qualifiers (i.e., City or Country).

The point of origination/termination or service that this code qualifies could be the name of an aircraft, vessel, vehicle, or service where a call originated/terminated or the service was provided.

AC City and State

		CC	Country		
		CI	City		
		SP	State/Province		
		ZZ	Mutually Defined		
TCD05	310	Location Identifi	er	X	AN 1/30
		Code which ident	ifies a specific location		
TCD06	156	State or Province	e Code	O	ID 2/2
		Code (Standard S	tate/Province) as defined by appropriate g	overnr	nent agency
TCD07	309	<b>Location Qualifi</b>	er	X	ID 1/2
		Code identifying	type of location		
		Code identifying TCD09.	the type of ''FROM'' location provided in	ı TCD	08 and
		_	indicates any point of origination/termina be qualified by traditional geographic qu		
		be the name of ar	ination/termination or service that this con a aircraft, vessel, vehicle, or service where tated or the service was provided.		
		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
		ZZ	Mutually Defined		
TCD08	310	Location Identifi	ier	X	AN 1/30
		Code which ident	ifies a specific location		
TCD09	156	State or Province		0	ID 2/2
			tate/Province) as defined by appropriate g	overnr	
TCD10	739	Measurement Va		0	R 1/20
		The value of the r			
TOD44	<b>=</b> 20	· ·	neasured in minutes and tenths of minut		D 1/20
TCD11	739	Measurement Va	<del></del>	О	R 1/20
		The value of the r		1	
TCD12	782		neasured in seconds and tenths of second	is.	R 1/18
ICD12	702	Monetary Amou  Monetary amount		U	K 1/10
		Undiscounted am			
TCD13	782	Monetary Amou		O	R 1/18
TODIS	702	Monetary amount		Ü	<b>K</b> 1/10
		-	a discount has been applied to the amou	nt in T	CD12.
TCD14	782	Monetary Amou	**	0	R 1/18
10211	702	Monetary amount		Ü	10 1/10
		Undiscounted am			
TCD15	782	Monetary Amou		0	R 1/18
		Monetary amount			
		-	a discount has been applied to the amou	nt in T	CD14.
TCD16	662	Relationship Coo		0	ID 1/1

Code indicating the relationship between entities

A Add D Delete I Included

**Position:** 600

Loop: TCD Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To specify service characteristic data

**Syntax Notes:** 

- If either SI04 or SI05 is present, then the other is required.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 '9'.
  - 2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data	•		
	Des.	<u>Element</u>	Name		ributes
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	e chai	racteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e chai	racteristics
	SI05	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI07	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI09	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI11	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2

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

**TXI05** 

956

TXI Tax Information **Segment: Position:** Loop: **TCD** Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify tax information **Syntax Notes:** At least one of TXI02 TXI03 or TXI06 is required. If either TXI04 or TXI05 is present, then the other is required. 3 If TXI08 is present, then TXI03 is required. **Semantic Notes:** 1 TXI02 is the monetary amount of the tax. 2 TXI03 is the tax percent expressed as a decimal. TXI07 is a code indicating the relationship of the price or amount to the associated segment. **Comments: Notes:** When submitting the 811 to any federal agency, use of the TXI segment is optional when HL03 is "9". **Data Element Summary** Ref. Data Attributes Element Name Des. M TXI01 963 Tax Type Code M ID 2/2 Code specifying the type of tax Use any code. The following codes are preferred: CA City Tax FD Federal Tax FI Federal Income Tax Withholding FR Franchise Tax FT Federal Excise Tax GR Gross Receipts Tax LS State and Local Sales Tax MP Municipal Tax OT Occupational Tax PS State or Provincial Tax on Services SA State or Provincial Fuel Tax SC School Tax SE State Excise Tax TD Telecommunications Device for the Deaf (TDD) Service Excise Tax UL License Tax **ZE** 911-Tax Refer to 004010 Data Element Dictionary for acceptable code values. TXI02 782 X R 1/18 **Monetary Amount** Monetary amount TXI03 954 **Percent** R 1/10 Percentage expressed as a decimal Tax rate for this jurisdiction. TXI04 955 Tax Jurisdiction Code Qualifier X ID 2/2 Code identifying the source of the data used in tax jurisdiction code

Code identifying the taxing jurisdiction

**Tax Jurisdiction Code** 

Refer to 004010 Data Element Dictionary for acceptable code values.

X AN 1/10

TXI06	441	Tax Exempt Cod	le	$\mathbf{X}$	<b>ID</b> 1/1
		Code identifying	exemption status from sales and use tax		
		1	Yes (Tax Exempt)		
		2	No (Not Tax Exempt)		
<b>TXI07</b>	662	Relationship Cod	le	O	<b>ID 1/1</b>
		Code indicating th	ne relationship between entities		
		A	Add		
		D	Delete		
		I	Included		
		O	Information Only		
TXI08	828	<b>Dollar Basis For</b>	Percent	O	R 1/9
		Dollar basis to be tax	used in the percent calculation of the allow	ance	, charge or
TXI09	325	Tax Identificatio	n Number	O	AN 1/20
		_	to a purchaser (buyer, orderer) by a taxing n called a tax exemption number or certific		
TXI10	350	Assigned Identifi	ication	O	AN 1/20
		Alphanumeric cha	aracters assigned for differentiation within	a tran	saction set

Notes:

when HL03 is ''9''.

 $\mathbf{ITA}$  Allowance, Charge or Service **Segment: Position:** Loop: **TCD** Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA08 is present, then ITA09 is required. If ITA15 is present, then ITA02 is required. If ITA17 is present, then ITA12 is required. 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 5 If either ITA10 or ITA11 is present, then the other is required. **Semantic Notes:** ITA09 is the allowance or charge percent. 1 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. If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, **Comments:** or ITA08 must be present. 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. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated

**Data Element Summary** 

When submitting the 811 to any federal agency, use of the ITA segment is optional

	Ref.	Data	Di	tta Element Summar y		
	Des.	Element	Name		Attı	ributes
M	ITA01	248	Allowance	e or Charge Indicator		ID 1/1
			Code whic	h indicates an allowance or charge for the service	speci	fied
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Q	ualifier Code	X	ID 2/2
			Code ident	ifying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Se	rvices Code	X	ID 2/10
			Code ident	ifying the special service		
			See OBF S	Section 10.4 for a list of valid values.		
M	ITA04	331	Allowance	or Charge Method of Handling Code	M	ID 2/2
			Code indic	ating method of handling for an allowance or char	ge	
			04	Credit Customer Account		
			06	Charge to be Paid by Customer		
			ZZ	Mutually Defined		
	ITA05	341	Allowance	e or Charge Number	O	AN 1/16
			The number	er assigned by a vendor referencing an allowance,	prom	otion, deal or
Not Used	ITA06	359	-	e or Charge Rate	O	R 1/15
	<b>ITA07</b>	360	Allowance	e or Charge Total Amount	O	N2 1/15

		Total dollar amou	ant for the allowance or charge		
ITA08	378		ge Percent Qualifier	0	ID 1/1
IIAUU	370		n what basis allowance or charge percent is	_	•
		9	Late Payment Charge Base Amount	carc	arated
ITA09	332	Percent	Late I dyment Charge Base I mount	X	R 1/6
111102	002	Percent expressed	as a percent	21	1 1/0
ITA10	380	Quantity	, as a persone	X	R 1/15
111110	200	Numeric value of	quantity	21	K 1/10
ITA11	355		Measurement Code	X	ID 2/2
111111			he units in which a value is being expressed		-
			nent has been taken	,	
		03	Seconds		
		12	Packet		
		1X	Quarter Mile		
		AD	Bytes		
		АН	Additional Minutes		
		AI	Average Minutes Per Call		
		AL	Access Lines		
		AN	Minutes or Messages		
		C0	Calls		
		DA	Days		
		DC	Disk (Disc)		
		DH	Miles		
		DK	Kilometers		
		DQ	Data Records		
		DY	Directory Books		
		EA	Each		
		EB	Electronic Mail Boxes		
		EV	Envelope		
		G7	Microfiche Sheet		
		H1	Half Pages - Electronic		
		HR	Hours		
		HT	Half Hour		
		KB	Kilonakata		
		KF KJ	Kilopackets Kilosegments		
		M0	Magnetic Tapes		
		M4	Monetary Value		
		MJ	Minutes		
		MO	Months		
		MR	Meter		
		NF	Messages		
		NH	Message Hours		
		NH NJ	Number of Screens		
		OT	Overtime Hours		
		P0	Pages - Electronic		
		P1	Percent		
		1 1	1 CICCIII		

			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service -	Aver	age
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line - A	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	ITA12	380	Quantity		$\mathbf{X}$	R 1/15
	ITA13	352	Description		$\mathbf{X}$	AN 1/80
			A free-form descr	iption to clarify the related data elements a	nd the	eir content
	ITA14	150	Special Charge of	or Allowance Code	X	ID 3/3
			Code identifying	type of special charge or allowance		
			See OBF Section	10.4 for a list of valid values.		
Not Used	ITA15	822	Source Subquali	fier	O	AN 1/15
	ITA16	662	Relationship Cod	le	O	<b>ID</b> 1/1
			Code indicating the	ne relationship between entities		
			A	Add		
			D	Delete		
			I	Included		
			O	Information Only		
Not Used	ITA17	355	Unit or Basis for	<b>Measurement Code</b>	O	ID 2/2

Segment: QTY Quantity

**Position:** 617

Loop: QTY Optional

Level: Detail
Usage: Optional
Max Use: 1

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** Comments:

1 QTY04 is used when the quantity is non-numeric.

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

			Data Eleme	ent Summary
	Ref.	Data		
M	Des.	<u>Element</u> 673	Name Quantity Qualifier	Attributes M ID 2/2
IVI	QTY01	0/3	Code specifying the	
			01	Discrete Quantity
			02	- ·
				Cumulative Quantity
			27 38	Committed Quantity
				Original Quantity
			47	Primary Net Quantity Time Frame
			7K	
			87	Quantity Received
			8H	Minimum
			90	Acknowledged Quantity
			91	Additional Usage Quantity
			92	Allotted Usage Quantity
			93	Attendant-Handled Quantity
			94	Billable Quantity
			95	Data Storage Quantity
			96	Non-Billable Quantity
			97	Non-Urgent Delivery Quantity
			98	Overflow Quantity
			99	Quantity Used
			AA	Unacknowledged Quantity
			AB	Urgent Delivery Quantity
			AC	Voice Storage Quantity
			AD	Maintenance Units
			AE	Minimum Average Time Requirement (MATR) Units
			AF	Wide Area Telephone Service (WATS)/800 Service Units
			AG	Number of End Users
			AH	Number of Message Recipients
			AI	Number of Operator Credits
			AJ	Daily Adjustments
			D1	Billed

			M2	Maximum		
			NS	Number of Stations		
			QD	Quantity Delivered		
			TO	Total		
Must Use	QTY02	380	Quantity		X	R 1/15
			Numeric value of o			
	QTY03	C001	Composite Unit o		O	
				posite unit of measure (See Figures Appe	endix f	for examples
M	C00101	355	of use)	Measurement Code	м	ID 2/2
141	C00101	333		e units in which a value is being expresse		
			which a measurem		u, 01 1	namici m
			03	Seconds		
			12	Packet		
			1X	Quarter Mile		
			4L	Megabyte		
			AD	Bytes		
			AH	Additional Minutes		
			AI	Average Minutes Per Call		
			AL	Access Lines		
			AN	Minutes or Messages		
			C0	Calls		
			DA	Days		
			DC	Disk (Disc)		
			DH	Miles		
			DK	Kilometers		
			DQ	Data Records		
			DY	Directory Books		
			EA	Each		
			EB	Electronic Mail Boxes		
			EV	Envelope		
			F3	Equivalent		
			G7	Microfiche Sheet		
			H1	Half Pages - Electronic		
			HR	Hours		
			HT	Half Hour		
			KB	Kilocharacters		
			KF	Kilogamento		
			KJ MO	Kilosegments Magnetia Tongs		
			M0 M4	Magnetic Tapes Magnetary Value		
			MJ	Monetary Value Minutes		
			MO	Months		
			MR	Months Meter		
			NF	Messages		
			NH	Message Hours		
			NH NJ	Number of Screens		
			INJ	Number of Scients		

			OT	Overtime Hours		
			P0	Pages - Electronic		
			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service	- Aver	rage
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line -	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	C00102	1018	Exponent		O	R 1/15
Not Used	C00103	649	Multiplier		O	R 1/10
Not Used	C00104	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent		O	R 1/15
Not Used	C00106	649	Multiplier		O	R 1/10
Not Used	C00107	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent		O	R 1/15
Not Used	C00109	649	Multiplier		O	R 1/10
Not Used	C00110	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent		O	R 1/15
Not Used	C00112	649	Multiplier		O	R 1/10
Not Used	C00113	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent		O	R 1/15
Not Used	C00115	649	Multiplier		O	R 1/10
Not Used	QTY04	61	Free-Form Mes	sage	X	AN 1/30

**Position:** 618

Loop: QTY Optional

Level: Detail Usage: Optional

Max Use:

**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.
- If either SI14 or SI15 is present, then the other is required.
   If either SI16 or SI17 is present, then the other is required.
- If either SI16 or SI17 is present, then the other is required.
   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 '9'.

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

	Ref.	Data				
3.5	Des.	Element 5.50	Name		ributes	
M	SI01	559	Agency Qualifier Code	M	ID 2/2	
			Code identifying the agency assigning the code values			
			TI Telecommunications Industry			
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2	
			Code from an industry code list qualifying the type of service	characteristics		
M	SI03	234	Product/Service ID	M	AN 1/48	
			Identifying number for a product or service			
	<b>SI04</b>	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2	
			Code from an industry code list qualifying the type of service	e char	acteristics	
	SI05	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2	
			Code from an industry code list qualifying the type of service	e char	acteristics	
	<b>SI07</b>	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
	SI08	1000	Service Characteristics Qualifier	X	AN 2/2	
			Code from an industry code list qualifying the type of service	e char	acteristics	
	SI09	234	Product/Service ID	X	AN 1/48	
			Identifying number for a product or service			
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2	
			Code from an industry code list qualifying the type of service	e char	acteristics	
	SI11	234	Product/Service ID	$\mathbf{X}$	AN 1/48	
			Identifying number for a product or service			
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2	

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

USD Usage-Sensitive Detail **Segment: Position:** Loop: **USD** Optional Level: Detail Usage: Optional Max Use: **Purpose:** To specify usage-sensitive details which qualify for discounts or are subject to special rates 1 **Syntax Notes:** Only one of USD03 or USD04 may be present. 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. 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. USD01 is a code indicating the relationship of the price or amount to the associated **Semantic Notes:** 1 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. USD09 is the total amount of terms discount. **Comments:** 1 If both USD03 and USD08 are present, then USD08 takes precedence. If USD11 is present and USD12 is not present, then the range is open ended. If USD12 is present and USD11 is not present, then the minimum is zero. 1. **Notes:** The USD loop may only appear at the line detail level.

### **Data Element Summary**

or both is required when HL03 is "9".

2. When submitting the 811 to any federal agency, use of a minimum of USD or TCD

	Ref. Des.	Data <u>Element</u>	<u>Name</u>		Attı	ributes_
M	USD01	662	Relation	aship Code	M	ID 1/1
			Code inc	licating the relationship between entities		
			A	Add		
			D	Delete		
			I	Included		
			O	Information Only		
	USD02	350	Assigne	d Identification	O	AN 1/20
			Alphanu	meric characters assigned for differentiation within	a tran	saction set
	USD03	118	Rate		X	R 1/9
			specified	pressed in the standard monetary denomination for the law of the l		
	USD04	954	Percent		X	R 1/10
			Percenta	ge expressed as a decimal		
			Discoun	t Percentage.		
	USD05	C001	Compos	ite Unit of Measure	X	

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

For examples of composite data elements, see Figures Appendix in X12 Standards.

#### M C00101 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

vincii a ineasuremei	iit iias beeli takeii
03	Seconds
12	Packet
1X	Quarter Mile
AD	Bytes
AH	Additional Minutes
AL	Access Lines
C0	Calls
DA	Days
DC	Disk (Disc)
DH	Miles
DK	Kilometers
DQ	Data Records
DY	Directory Books
EA	Each
EB	Electronic Mail Boxes
EV	Envelope
G7	Microfiche Sheet
H1	Half Pages - Electronic
HR	Hours
HT	Half Hour
KB	Kilocharacters
KF	Kilopackets
KJ	Kilosegments
M0	Magnetic Tapes
M4	Monetary Value
MJ	Minutes
MO	Months
MR	Meter
NF	Messages
NH	Message Hours
NJ	Number of Screens
OT	Overtime Hours
P0	Pages - Electronic
P1	Percent
QA	Pages - Facsimile
QB	Pages - Hardcopy
QH	Quarter Hours
RS	Resets
S6	Sessions

Storage Units

**S**7

			SG	Segment		
			T0	Telecommunications Lines in Servi	ice	
			UB	Telecommunications Lines in Servi		age
			UC	Telecommunications Ports		C
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Lir	ne - Avera	.ge
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	C00102	1018	Exponent	,	O	R 1/15
Not Used	C00103	649	Multiplier		O	R 1/10
Not Used	C00104	355	-	r Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent		O	R 1/15
Not Used	C00106	649	Multiplier		O	R 1/10
Not Used	C00107	355	-	r Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent		O	R 1/15
Not Used	C00109	649	Multiplier		O	R 1/10
Not Used	C00110	355	_	r Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent		O	R 1/15
Not Used	C00112	649	Multiplier		O	R 1/10
Not Used	C00113	355	-	r Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent		0	R 1/15
Not Used	C00115	649	Multiplier		0	R 1/10
- 100 - 000	USD06	380	Quantity		X	R 1/15
			Numeric value of	f quantity		
	USD07	380	Quantity		X	R 1/15
			Numeric value of	f quantity		
				usage different from the quantity of us	age in US	D06.
				is present, it is used in conjunction wit	th USD06	and then
	USD08	782	the rate in USD0 Monetary Amou		X	R 1/18
	CSD00	702	Monetary amoun		<b>7</b>	K 1/10
	USD09	610	Amount		X	N2 1/15
	CSDO	010	Monetary amoun	ıt.	<b>7</b>	112 1/13
	USD10	C001	Composite Unit		X	
	CODIO	C001	-	nposite unit of measure (See Figures A		for examples
			of use)	inposite unit of fileasure (see Figures 1)	тррепаги г	ior examples
				composite data elements, see Figures A	Appendix	in X12
			Standards.			
M	C00101	355		r Measurement Code		ID 2/2
				the units in which a value is being exprement has been taken	essed, or i	nanner in
			See USD05 for c			
Not Used	C00102	1018	<b>Exponent</b>		0	R 1/15
Not Used	C00102	649	Multiplier		0	R 1/10
Not Used	C00103	355	-	r Measurement Code	0	ID 2/2
Not Used	C00104	1018	Exponent	i measurement cout	0	R 1/15
1101 Oscu	C00105	1010	Daponent		J	I 1/13

Not Used	C00106	649	Multiplier	O	R 1/10		
Not Used	C00107	355	Unit or Basis for Measurement Code		ID 2/2		
Not Used	C00108	1018	Exponent	O	R 1/15		
Not Used	C00109	649	Multiplier	O	R 1/10		
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2		
Not Used	C00111	1018	Exponent	O	R 1/15		
Not Used	C00112	649	Multiplier	O	R 1/10		
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2		
Not Used	C00114	1018	Exponent	O	R 1/15		
Not Used	C00115	649	Multiplier	O	R 1/10		
	USD11	<b>740</b>	Range Minimum	$\mathbf{X}$	R 1/20		
			The value specifying the minimum of the measurement range				
			If USD11 is present and USD12 is not present, then the rang	ge is	open-ended.		
	USD12	<b>741</b>	Range Maximum	X	R 1/20		
			The value specifying the maximum of the measurement range	<u> </u>			
			If USD12 is present and USD11 is not present, the minimum is zero.				

**Position:** 625

Loop: USD Optional

Level: Detail
Usage: Optional

Max Use: Purpose:

e: To specify service characteristic data

**Syntax Notes:** 

- If either SI04 or SI05 is present, then the other is required.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 S110 or S111 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''.

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Attı	ibutes
M	SI01	559	Agency Qualifier Code		ID 2/2
			Code identifying the agency assigning the code values		
			Refer to 004010 Data Element Dictionary for acceptable code	e valu	ies.
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
M	SI03	234	Product/Service ID	$\mathbf{M}$	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service		acteristics
	<b>SI07</b>	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI11	234	Product/Service ID		AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	racteristics
	SI13	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	racteristics
<b>SI17</b>	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	racteristics
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

 $\mathbf{ITA}$  Allowance, Charge or Service **Segment: Position:** Loop: **USD** Optional Level: Detail Optional Usage: Max Use: **Purpose:** To specify allowances, charges, or services **Syntax Notes:** If ITA08 is present, then ITA09 is required. If ITA15 is present, then ITA02 is required. 3 If ITA17 is present, then ITA12 is required. 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 5 If either ITA10 or ITA11 is present, then the other is required. **Semantic Notes:** ITA09 is the allowance or charge percent. 1 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. If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, **Comments:** or ITA08 must be present. 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. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated Notes: When submitting the 811 to any federal agency, use of the ITA segment is optional

**Data Element Summary** 

when HL03 is "9".

				Data Element Summary		
	Ref. Des.	Data <u>Element</u>	<u>Name</u>		Attı	ributes_
M	ITA01	248	Allowa	nce or Charge Indicator	M	ID 1/1
			Code w	hich indicates an allowance or charge for the service s	speci	fied
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency	Qualifier Code	X	ID 2/2
			Code id	entifying the agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special	Services Code	X	ID 2/10
			Code id	entifying the special service		
			See OB	F Section 10.4 for a list of valid values.		
M	ITA04	331	Allowa	nce or Charge Method of Handling Code	M	ID 2/2
			Code in	dicating method of handling for an allowance or char	ge	
			04	Credit Customer Account		
			06	Charge to be Paid by Customer		
			ZZ	Mutually Defined		
	ITA05	341	Allowa	nce or Charge Number	O	AN 1/16
			The nur charge	mber assigned by a vendor referencing an allowance, p	orom	otion, deal or
Not Used	ITA06	359	Allowa	nce or Charge Rate	O	R 1/15
	ITA07	360	Allowa	nce or Charge Total Amount	0	N2 1/15

		Total dollar amount for the allowance or charge					
ITA08	378	Allowance/Charg	O	ID 1/1			
		Code indicating or	calci	ulated			
		9	Late Payment Charge Base Amount				
ITA09	332	Percent		$\mathbf{X}$	R 1/6		
		Percent expressed	Percent expressed as a percent				
ITA10	380	Quantity		$\mathbf{X}$	R 1/15		
		Numeric value of	quantity				
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2		
			e units in which a value is being expressed ent has been taken	d, or i	manner in		
		03	Seconds				
		12	Packet				
		1X	Quarter Mile				
		AD	Bytes				
		AH	Additional Minutes				
		AI	Average Minutes Per Call				
		AL	Access Lines				
		AN	Minutes or Messages				
		C0	Calls				
		DA	Days				
		DC	Disk (Disc)				
		DH	Miles				
		DK	Kilometers				
		DQ	Data Records				
		DY	Directory Books				
		EA	Each				
		EB	Electronic Mail Boxes				
		EV	Envelope				
		G7	Microfiche Sheet				
		H1	Half Pages - Electronic				
		HR	Hours				
		HT	Half Hour				
		KB	Kilocharacters				
		KF	Kilopackets				
		KJ	Kilosegments				
		M0	Magnetic Tapes				
		M4	Monetary Value				
		MJ	Minutes				
		MO	Months				
		MR	Meter				
		NF	Messages				
		NH	Message Hours				
		NJ OT	Number of Screens				
		OT	Overtime Hours				
		P0	Pages - Electronic				
		P1	Percent				

			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			<b>S</b> 6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service -	Aver	age
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line -	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	ITA12	380	Quantity		X	R 1/15
	ITA13	352	Description		X	AN 1/80
			A free-form descri	ription to clarify the related data elements a	nd the	eir content
	ITA14	150	Special Charge	or Allowance Code	X	ID 3/3
			Code identifying	type of special charge or allowance		
			See OBF Section	10.4 for a list of valid values.		
Not Used	ITA15	822	Source Subquali	fier	O	AN 1/15
	ITA16	662	Relationship Co	de	O	<b>ID</b> 1/1
			Code indicating t	he relationship between entities		
			A	Add		
			D	Delete		
			I	Included		
			O	Information Only		
Not Used	ITA17	355	Unit or Basis for	: Measurement Code	O	ID 2/2

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**

Code specifying the type of quantity

Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.

ic.) joi ine segmen	<i>t</i> .
01	Discrete Quantity
02	Cumulative Quantity
27	Committed Quantity
38	Original Quantity
47	Primary Net Quantity
90	Acknowledged Quantity
91	Additional Usage Quantity
92	Allotted Usage Quantity
93	Attendant-Handled Quantity
94	Billable Quantity
95	Data Storage Quantity
96	Non-Billable Quantity
97	Non-Urgent Delivery Quantity
98	Overflow Quantity
99	Quantity Used
AA	Unacknowledged Quantity
AB	Urgent Delivery Quantity
AC	Voice Storage Quantity
AD	Maintenance Units
AE	Minimum Average Time Requirement (MATR) Units
AF	Wide Area Telephone Service (WATS)/800 Service Units
AG	Number of End Users
AH	Number of Message Recipients
AI	Number of Operator Credits
AJ	Daily Adjustments
NS	Number of Stations

M	TRF02	C001	Composite Unit of Measure	M	
			To identify a composite unit of measure (See Figures Appendicuse)	for examples	
M	C00101	355	Unit or Basis for Measurement Code	M	ID 2/2
			Code specifying the units in which a value is being expressed which a measurement has been taken	nanner in	
			Equivalent units per standard unit.		
			Refer to 004010 Data Element Dictionary for acceptable code	e valu	ies.
Not Used	C00102	1018	Exponent	O	R 1/15
Not Used	C00103	649	Multiplier	O	R 1/10
Not Used	C00104	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent	O	R 1/15
Not Used	C00106	649	Multiplier	O	R 1/10
Not Used	C00107	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent	O	R 1/15
Not Used	C00109	649	Multiplier	O	R 1/10
Not Used	C00110	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent	O	R 1/15
Not Used	C00112	649	Multiplier	O	R 1/10
Not Used	C00113	355	Unit or Basis for Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent	O	R 1/15
Not Used	C00115	649	Multiplier	O	R 1/10
$\mathbf{M}$	TRF03	380	Quantity	M	R 1/15
			Numeric value of quantity		
			Standard unit.		
M	TRF04	C001	Standard unit. Composite Unit of Measure	M	
M	TRF04	C001			for examples
M M	TRF04	C001	Composite Unit of Measure  To identify a composite unit of measure (See Figures Appearance)	ndix f	For examples  ID 2/2
			Composite Unit of Measure  To identify a composite unit of measure (See Figures Appear of use)	ndix f <b>M</b>	ID 2/2
			Composite Unit of Measure  To identify a composite unit of measure (See Figures Appear of use)  Unit or Basis for Measurement Code  Code specifying the units in which a value is being expressed	ndix f <b>M</b>	ID 2/2
M	C00101	355	Composite Unit of Measure  To identify a composite unit of measure (See Figures Appear of use)  Unit or Basis for Measurement Code  Code specifying the units in which a value is being expressed which a measurement has been taken  Equivalent units per standard unit.  Refer to 004010 Data Element Dictionary for acceptable code	M l, or r	ID 2/2 manner in
	C00101 C00102	355 1018	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent	M l, or r	ID 2/2 manner in mes. R 1/15
M Not Used Not Used	C00101  C00102  C00103	355 1018 649	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier	M l, or r	ID 2/2 manner in nes. R 1/15 R 1/10
M Not Used	C00101  C00102  C00103  C00104	355 1018 649 355	Composite Unit of Measure  To identify a composite unit of measure (See Figures Apper of use)  Unit or Basis for Measurement Code  Code specifying the units in which a value is being expressed which a measurement has been taken  Equivalent units per standard unit.  Refer to 004010 Data Element Dictionary for acceptable code  Exponent  Multiplier  Unit or Basis for Measurement Code	M l, or r e valu	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2
M  Not Used  Not Used  Not Used  Not Used	C00101  C00102  C00103  C00104  C00105	355 1018 649 355 1018	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent	M l, or r e valu O O O	ID 2/2 manner in ses.  R 1/15 R 1/10 ID 2/2 R 1/15
M  Not Used  Not Used  Not Used  Not Used  Not Used	C00101  C00102  C00103  C00104  C00105  C00106	355 1018 649 355 1018 649	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier	M I, or r e valu O O O	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10
M  Not Used	C00101  C00102  C00103  C00104  C00105  C00106  C00107	355 1018 649 355 1018 649 355	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier Unit or Basis for Measurement Code	M l, or r e value O O O O	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10 ID 2/2
M  Not Used	C00101  C00102 C00103 C00104 C00105 C00106 C00107 C00108	355 1018 649 355 1018 649 355 1018	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier Unit or Basis for Measurement Code Exponent	M II, or r O O O O	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10 ID 2/2 R 1/15
M  Not Used	C00101  C00102 C00103 C00104 C00105 C00106 C00107 C00108 C00109	355 1018 649 355 1018 649 355 1018 649	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier	M l, or r	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10
M  Not Used	C00101  C00102  C00103  C00104  C00105  C00106  C00107  C00108  C00109  C00110	355 1018 649 355 1018 649 355 1018 649 355	Composite Unit of Measure To identify a composite unit of measure (See Figures Appet of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier Unit or Basis for Measurement Code Exponent Multiplier Unit or Basis for Measurement Code	M I, or r	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10 ID 2/2 R 1/15
M  Not Used	C00101  C00102 C00103 C00104 C00105 C00106 C00107 C00108 C00109 C00110 C00111	355 1018 649 355 1018 649 355 1018	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent	M l, or r	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15
Not Used	C00101  C00102 C00103 C00104 C00105 C00106 C00107 C00108 C00109 C00110 C00111 C00112	355 1018 649 355 1018 649 355 1018 649	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code	M I, or r	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15 R 1/10
Not Used	C00101  C00102  C00103  C00104  C00105  C00106  C00107  C00108  C00109  C00110  C00111  C00111  C00112  C00113	355 1018 649 355 1018 649 355 1018 649 355	Composite Unit of Measure To identify a composite unit of measure (See Figures Appet of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code	M I, or r r O O O O O O O O O O O	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2
Not Used	C00101  C00102 C00103 C00104 C00105 C00106 C00107 C00108 C00109 C00110 C00111 C00112 C00113 C00114	355 1018 649 355 1018 649 355 1018 649 355 1018	Composite Unit of Measure To identify a composite unit of measure (See Figures Apper of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code Exponent	M I, or r	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2 R 1/15
Not Used	C00101  C00102  C00103  C00104  C00105  C00106  C00107  C00108  C00109  C00110  C00111  C00111  C00112  C00113	355 1018 649 355 1018 649 355 1018 649 355	Composite Unit of Measure To identify a composite unit of measure (See Figures Appet of use) Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed which a measurement has been taken Equivalent units per standard unit. Refer to 004010 Data Element Dictionary for acceptable code Exponent Multiplier Unit or Basis for Measurement Code	M I, or r r O O O O O O O O O O O	ID 2/2 manner in  nes.  R 1/15 R 1/10 ID 2/2

Numeric value of quantity

Standard unit.

Segment: QTY Quantity

**Position:** 650

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use:

**Purpose:** To specify quantity information

**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.

Only one of QTY02 or QTY04 may be present.

Semantic Notes: Comments: Notes: 1 QTY04 is used when the quantity is non-numeric.

When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is ''9''.

	Data Element Summary						
	Ref.	Data					
M	Des.	Element (72	Name	Attributes			
M	QTY01	673	Quantity Qualifier	M ID 2/2			
			Code specifying the				
			01	Discrete Quantity			
			02	Cumulative Quantity			
			27	Committed Quantity			
			38	Original Quantity			
			47	Primary Net Quantity			
			7K	Time Frame			
			87	Quantity Received			
			8H	Minimum			
			90	Acknowledged Quantity			
			91	Additional Usage Quantity			
			92	Allotted Usage Quantity			
			93	Attendant-Handled Quantity			
			94	Billable Quantity			
			95	Data Storage Quantity			
			96	Non-Billable Quantity			
			97	Non-Urgent Delivery Quantity			
			98	Overflow Quantity			
			99	Quantity Used			
			AA	Unacknowledged Quantity			
			AB	Urgent Delivery Quantity			
			AC	Voice Storage Quantity			
			AD	Maintenance Units			
			AE	Minimum Average Time Requirement (MATR) Units			
			AF	Wide Area Telephone Service (WATS)/800 Service Units			
			AG	Number of End Users			
			AH	Number of Message Recipients			
			AI	Number of Operator Credits			
			AJ	Daily Adjustments			
			D1	Billed			

			M2	Maximum		
			NS	Number of Stations		
			QD	Quantity Delivered		
			TO	Total		
<b>Must Use</b>	QTY02	380	Quantity		X	R 1/15
			Numeric value of o	quantity		
	QTY03	C001	Composite Unit of	f Measure	0	
			•	osite unit of measure (See Figures Appen	idix 1	for examples
3.5	C00101	255	of use)	M 4.6.1	3.7	ID 2/2
M	C00101	355		Measurement Code		ID 2/2
			which a measurem	e units in which a value is being expressed ent has been taken	, or i	nanner m
			03	Seconds		
			12	Packet		
			1X	Quarter Mile		
			4L	Megabyte		
			AD	Bytes		
			AH	Additional Minutes		
			AI	Average Minutes Per Call		
			AL	Access Lines		
			AN	Minutes or Messages		
			C0	Calls		
			DA	Days		
			DC	Disk (Disc)		
			DH	Miles		
			DK	Kilometers		
			DQ	Data Records		
			DY	Directory Books		
			EA	Each		
			EB	Electronic Mail Boxes		
			EV	Envelope		
			F3	Equivalent Microfiche Sheet		
			G7			
			H1 HR	Half Pages - Electronic Hours		
			HT	Half Hour		
			KB	Kilocharacters		
			KF	Kilopackets		
			KJ	Kilosegments		
			M0	Magnetic Tapes		
			M4	Monetary Value		
			MJ	Minutes		
			MO	Months		
			MR	Meter		
			NF	Messages		
			NH	Message Hours		
			- 1			

NJ

Number of Screens

			OT	Overtime Hours		
			P0	Pages - Electronic		
			P1	Percent		
			QA	Pages - Facsimile		
			QB	Pages - Hardcopy		
			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service	- Aver	rage
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line -	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	C00102	1018	Exponent		O	R 1/15
Not Used	C00103	649	Multiplier		O	R 1/10
Not Used	C00104	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00105	1018	Exponent		O	R 1/15
Not Used	C00106	649	Multiplier		O	R 1/10
Not Used	C00107	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00108	1018	Exponent		O	R 1/15
Not Used	C00109	649	Multiplier		O	R 1/10
Not Used	C00110	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00111	1018	Exponent		O	R 1/15
Not Used	C00112	649	Multiplier		O	R 1/10
Not Used	C00113	355	Unit or Basis for	r Measurement Code	O	ID 2/2
Not Used	C00114	1018	Exponent		O	R 1/15
Not Used	C00115	649	Multiplier		O	R 1/10
Not Used	QTY04	61	Free-Form Mes	sage	X	AN 1/30

**Position:** 660

Loop: QTY Optional

Level: Detail
Usage: Optional

Max Use:

**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.
- ${f 8}$  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:

- 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 '9'.
  - 2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.

	Ref.	Data	•		
	Des.	<u>Element</u>	Name		ributes
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	e char	acteristics
	SI09	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of servic		acteristics
	SI11	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2

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

Segment: TDS Total Monetary Value Summary

**Position:** 010

Loop:

Level: Summary
Usage: Mandatory

Max Use:

**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).
- 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:** 

TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

M	Ref. <u>Des.</u> TDS01	Data <u>Element</u> 610	Name Amount		ributes N2 1/15
			Monetary amount		
			The TDS segment (TDS01) contains the segment bil the detail for the invoice. It does not contain any bi the summary level.		
Not Used	TDS02	610	Amount	O	N2 1/15
Not Used	TDS03	610	Amount	0	N2 1/15
Not Used	TDS04	610	Amount	O	N2 1/15

Segment: ITA Allowance, Charge or Service

**Position:** 020

Loop: ITA Optional

Level: Summary
Usage: Optional

Max Use:

Purpose: To specify allowances, charges, or servicesSyntax Notes: 1 If ITA08 is present, then ITA09 is requi

- If ITA08 is present, then ITA09 is required.
   If ITA15 is present, then ITA02 is required.
- If ITA15 is present, then ITA02 is required.If ITA17 is present, then ITA12 is required.
- 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
- 5 If either ITA10 or ITA11 is present, then the other is required.

**Semantic Notes:** 1 ITA09 is the allowance or charge percent.

- 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
- 3 ITA12 is the quantity of free goods.
- **Comments:** 1 If ITA01 equals "A" allowance or "C" charge, then at least one of ITA06, ITA07, or ITA08 must be present.
  - 2 ITA02 identifies the source of the code value in ITA03 or ITA15.
  - 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
  - 4 ITA13 is used to clarify the allowance, charge, or service.
  - 5 ITA15 specifies the individual code list of the agency specified in ITA02.
  - **6** ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

	Ref.	Data					
	Des.	<b>Element</b>	<u>Name</u>		Attı	<u>ributes</u>	
M	ITA01	248	Allowance or	r Charge Indicator	M	ID 1/1	
			Code which is	Code which indicates an allowance or charge for the service s			
			A	Allowance			
			C	Charge			
			N	No Allowance or Charge			
	ITA02	559	Agency Qual	lifier Code	X	ID 2/2	
			Code identify	ing the agency assigning the code values			
			TI	Telecommunications Industry			
	ITA03	560	Special Servi	ices Code	$\mathbf{X}$	ID 2/10	
			Code identify	Code identifying the special service			
			See OBF Sec	tion 10.4 for a list of valid values.			
M	ITA04	331	Allowance or	r Charge Method of Handling Code	M	ID 2/2	
			Code indicati	ng method of handling for an allowance or char	ge		
			03	Vendor Check to Customer			
			04	Credit Customer Account			
			06	Charge to be Paid by Customer			
			ZZ	Mutually Defined			
	ITA05	341	Allowance or	r Charge Number	O	AN 1/16	
			The number a charge	assigned by a vendor referencing an allowance,	orom	otion, deal or	
Not Used	ITA06	359	Allowance or	r Charge Rate	O	R 1/15	
	ITA07	360	Allowance or	r Charge Total Amount	O	N2 1/15	

		Total dollar amou	int for the allowance or charge		
ITA08	378	Allowance/Char	O	ID 1/1	
			on what basis allowance or charge percent i	s calc	ulated
		9	Late Payment Charge Base Amount		
ITA09	332	Percent	·	X	R 1/6
		Percent expressed	l as a percent		
ITA10	380	Quantity		X	R 1/15
		Numeric value of	quantity		
ITA11	355	Unit or Basis for	Measurement Code	X	ID 2/2
		Code specifying t	he units in which a value is being expresse	d, or 1	nanner in
			ment has been taken		
		03	Seconds		
		12	Packet		
		1X	Quarter Mile		
		AD	Bytes		
		AH	Additional Minutes		
		AI	Average Minutes Per Call		
		AL	Access Lines		
		AN	Minutes or Messages		
		C0	Calls		
		DA	Days		
		DC	Disk (Disc)		
		DH	Miles		
		DK	Kilometers		
		DQ	Data Records		
		DY	Directory Books		
		EA	Each		
		EB	Electronic Mail Boxes		
		EV	Envelope		
		G7	Microfiche Sheet		
		H1	Half Pages - Electronic		
		HR	Hours		
		HT	Half Hour		
		KB	Kilocharacters		
		KF	Kilopackets		
		KJ	Kilosegments		
		<b>M</b> 0	Magnetic Tapes		
		M4	Monetary Value		
		MJ	Minutes		
		MO	Months		
		MR	Meter		
		NF	Messages		
		NH	Message Hours		
		NJ	Number of Screens		
		OT	Overtime Hours		
		P0	Pages - Electronic		
		P1	Percent		

			QA	Pages - Facsimile			
			QB	Pages - Hardcopy			
			QH	Quarter Hours			
			RS	Resets			
			S6	Sessions			
			S7	Storage Units			
			SG	Segment			
			T0	Telecommunications Lines in Service			
			UB	B Telecommunications Lines in Service - Average			
			UC	Telecommunications Ports			
			UD	Tenth Minutes			
			UE	Tenth Hours			
			UF	Usage per Telecommunications Line -	Avera	ige	
			UN	Unit			
			ZZ	Mutually Defined			
Not Used	ITA12	380	Quantity		X	R 1/15	
	ITA13	352	Description		X	AN 1/80	
			A free-form descri	ription to clarify the related data elements a	nd the	eir content	
	ITA14	150	Special Charge of	or Allowance Code	X	ID 3/3	
			Code identifying	type of special charge or allowance			
			See OBF Section	10.4 for a list of valid values.			
Not Used	ITA15	822	Source Subquali	fier	O	AN 1/15	
	ITA16	662	Relationship Co	de	O	<b>ID</b> 1/1	
			Code indicating the	he relationship between entities			
			A	Add			
			D	Delete			
			I	Included			
			O	Information Only			
Not Used	ITA17	355	Unit or Basis for	Measurement Code	O	ID 2/2	

Segment: DTM Date/Time Reference

**Position:** 030

Loop: ITA Optional

Level: Summary
Usage: Optional

Max Use:

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

If either DTM05 or DTM06 is present, then the other is required.

3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** Comments:

M	Ref. <u>Des.</u> DTM01	Data Element 374	Name Date/Time	Qualifier	Attı M	ributes ID 3/3
			Code specif	Tying type of date or time, or both date and time		
			007	Effective		
			009	Process		
			050	Received		
	DTM02	373	Date		X	<b>DT 8/8</b>
			Date expres	sed as CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	DTM05	1250	<b>Date Time</b>	Period Format Qualifier	X	ID 2/3
Not Used	<b>DTM06</b>	1251	<b>Date Time</b>	Period	X	AN 1/35

Segment: REF Reference Identification

**Position:** 035

Loop: ITA Optional

Level: Summary Usage: Optional Max Use: 5

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.
1 REF04 contains data relating to the value cited in REF02.

**Semantic Notes:** Comments:

	Ref. Des.	Data Element	Name	Attr	ibutes	
M	REF01	128	Reference Identification Qualifier		ID 2/3	
			Code qualifying the Reference Identification			
			Refer to 004010 Data Element Dictionary for acceptable code	e valu	ies.	
	REF02	127	Reference Identification	$\mathbf{X}$	AN 1/30	
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	Set	or as	
	REF03	352	Description	X	AN 1/80	
			A free-form description to clarify the related data elements ar	s and their content		
	REF04	C040	Reference Identifier	O		
			To identify one or more reference numbers or identification in specified by the Reference Qualifier	umbe	ers as	
M	C04001	128	Reference Identification Qualifier	M	ID 2/3	
			Code qualifying the Reference Identification			
			ACB Region			
M	C04002	127	Reference Identification	M	AN 1/30	
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	Set o	or as	
	C04003	128	Reference Identification Qualifier	X	ID 2/3	
			Code qualifying the Reference Identification			
			ACB Region			
	C04004	127	Reference Identification	$\mathbf{X}$	AN 1/30	
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	Set o	or as	
Not Used	C04005	128	Reference Identification Qualifier	$\mathbf{X}$	ID 2/3	
Not Used	C04006	127	Reference Identification	X	AN 1/30	

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:

	D.C	D 4	Data Eleme	int Summary		
	Ref.	Data	N		A 44	.114
3.7	Des.	<u>Element</u>	Name D. I. G. I.		_	ibutes
M	BAL01	951	<b>Balance Type Code</b>		M	ID 1/2
			Code indicating the	type of balance		
			A	Adjustment		
			M	Current Month		
			P	Previous Month		
M	BAL02	522	<b>Amount Qualifier</b>	Code	M	ID 1/3
			Code to qualify amo	ount		
			5	Total Invoice Amount		
			8	Total Monetary Discount Amount		
			BT	Bank Reject Total		
			C4	Prior Payment - Actual		
			NA	Net Adjustment		
			NS	Net Savings Amount		
			PB	Billed Amount		
			SC	Total Service Charge		
			TP	Total payment amount		
			TT	Total Transaction Amount		
M	BAL03	782	<b>Monetary Amount</b>		M	R 1/18
			Monetary amount			

**Position:** 050

Loop: BAL Optional

Level: Summary Usage: Optional Max Use: 1

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

2 If either DTM05 or DTM06 is present, then the other is required.

3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** Comments:

	Ref.	Data		,		
3.6	Des.	Element 27.4	Name	p•		ributes
M	DTM01	374	Date/Time Qualit		M	ID 3/3
				ype of date or time, or both date and time		
			007	Effective		
			009	Process		
			050	Received		
			193	Period Start		
			194	Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	<b>DTM02</b>	373	Date		X	<b>DT 8/8</b>
			Date expressed as	CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	DTM05	1250	Date Time Period	l Format Qualifier	X	ID 2/3
Not Used	<b>DTM06</b>	1251	Date Time Period	1	X	AN 1/35

N1 Name **Segment:** 

**Position:** 

Loop: N1 Optional

Level: Summary Usage: Optional Max Use:

**Purpose:** To identify a party by type of organization, name, and code

**Syntax Notes:** At least one of N102 or N103 is required.

If either N103 or N104 is present, then the other is required.

**Semantic Notes: Comments:** 

This segment, used alone, provides the most efficient method of providing 1 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 Elei	nent Summary		
	Ref.	Data				
М	<u>Des.</u>	Element	Name Entity Identifies	Codo	Attı M	ributes
M	N101	98	Entity Identifier		111	ID 2/3
			individual	n organizational entity, a physical location	, prop	perty or an
			87	Pay-to Provider		
			AAA	Sub-account		
			BY	Buying Party (Purchaser)		
			L1	Inspection Location		
			PE	Payee		
			PO	Party to Receive Invoice for Goods or S	ervic	es
			PR	Payer		
			SF	Ship From		
			SJ	Service Provider		
			ST	Ship To		
			SV	Service Performance Site		
			<b>Z</b> 7	Mark-for Party		
				May be used when submitting a Fast P	ay In	voice, per
				FAR 52.213-1.		, <b>.</b>
	N102	93	Name		X	AN 1/60
			Free-form name			
	N103	66	<b>Identification Co</b>		X	ID 1/2
				the system/method of code structure used f	or Ide	entification
			Code (67) 41	Telecommunications Carrier Identificat	ion C	o do
			41	Telecommunications Carrier Identificat Telecommunications Pseudo Carrier Identificat		
			91		21111110	cation Code
	N104	(7	Identification Co	Assigned by Seller or Seller's Agent	v	A NI 2/00
	N104	67			X	AN 2/80
				a party or other code	Maret	If N102
				se CIC code list maintained by Lockheed I o-CIC list provided in OBF Section 10.4.	viarti	n. 1j 1v103
Not Used	N105	706	Entity Relationsh	•	О	ID 2/2
Not Used	N106	98	<b>Entity Identifier</b>	_	O	ID 2/3

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:

M	Ref. <u>Des.</u> BAL01	Data Element 951	Name Balance Type Code		Attı M	ributes ID 1/2
			Code indicating the	type of balance		
			A	Adjustment		
			M	Current Month		
			P	Previous Month		
M	BAL02	522	Amount Qualifier	Code	$\mathbf{M}$	ID 1/3
			Code to qualify amo	ount		
			AD	Adjusted Total		
$\mathbf{M}$	BAL03	782	<b>Monetary Amount</b>		$\mathbf{M}$	R 1/18
			Monetary amount			

**Position:** 080

Loop: BAL Optional

Level: Summary
Usage: Optional

Max Use:

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

- 2 If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** Comments:

			Data	Element Summary		
	Ref. Des.	Data Element	<u>Name</u>		Attı	ributes
M	DTM01	374	Date/Time C	Qualifier	M	ID 3/3
			Code specify	ing type of date or time, or both date and time		
			003	Invoice		
			007	Effective		
			009	Process		
			050	Received		
			193	Period Start		
			194	Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	DTM02	373	Date		X	<b>DT 8/8</b>
			Date express	ed as CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	DTM05	1250	Date Time P	eriod Format Qualifier	X	ID 2/3
Not Used	DTM06	1251	<b>Date Time P</b>	eriod	X	AN 1/35

Segment: ITA Allowance, Charge or Service

Position: 090

Loop: ITA Optional

Level: Summary Usage: Optional Max Use: 1

**Purpose:** 

**Syntax Notes:** 

To specify allowances, charges, or services

- If ITA08 is present, then ITA09 is required.
   If ITA15 is present, then ITA02 is required.
- 3 If ITA17 is present, then ITA12 is required.
- 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
- 5 If either ITA10 or ITA11 is present, then the other is required.

**Semantic Notes:** 1 ITA09 is the allowance or charge percent.

- 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
- 3 ITA12 is the quantity of free goods.
- **Comments:** 1 If ITA01 equals "A" allowance or "C" charge, then at least one of ITA06, ITA07, or ITA08 must be present.
  - 2 ITA02 identifies the source of the code value in ITA03 or ITA15.
  - 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
  - 4 ITA13 is used to clarify the allowance, charge, or service.
  - 5 ITA15 specifies the individual code list of the agency specified in ITA02.
  - **6** ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

	Ref.	Data				
	Des.	<b>Element</b>	<u>Name</u>		<u>Attr</u>	<u>ributes</u>
M	ITA01	248	Allowance or Cha	rge Indicator	M	ID 1/1
			Code which indicate	es an allowance or charge for the service s	pecif	ied
			A	Allowance		
			C	Charge		
			N	No Allowance or Charge		
	ITA02	559	Agency Qualifier	Code	$\mathbf{X}$	ID 2/2
			Code identifying th	e agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	<b>Special Services C</b>	ode	X	ID 2/10
			Code identifying th	e special service		M ID 2/2
			See OBF Section 1	0.4 for a list of valid values.		
M	ITA04	331	Allowance or Cha	rge 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	Allowance or Cha	rge Number	O	AN 1/16
			The number assign	ed by a vendor referencing an allowance, p	romo	otion, deal or
			charge	_	_	
	ITA06	359	Allowance or Cha		O	R 1/15
			Allowance or Char	ge Rate per Unit		
	ITA07	360	Allowance or Cha	rge Total Amount	0	N2 1/15

Total dollar amount for the allowance or charge 378 **Not Used** ITA08 Allowance/Charge Percent Qualifier O ID 1/1 X R 1/6 **ITA09** 332 Percent Percent expressed as a percent 380 **ITA10** Quantity X R 1/15 Numeric value of quantity **ITA11** 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 03 Seconds 12 Packet 1X Quarter Mile AD **Bytes** ΑH **Additional Minutes** Average Minutes Per Call ΑI ΑL Access Lines AN Minutes or Messages C0 Calls DA Days DC Disk (Disc) DH Miles DK Kilometers DQ Data Records DY **Directory Books** EA Each EB Electronic Mail Boxes EV Envelope G7 Microfiche Sheet Half Pages - Electronic H1 Hours HR HTHalf Hour KB Kilocharacters KF Kilopackets KJ Kilosegments M0 Magnetic Tapes M4 Monetary Value Minutes MJ MO Months MR Meter NF Messages NH Message Hours NJ Number of Screens Overtime Hours OT P0 Pages - Electronic P1 Percent Pages - Facsimile QA

Pages - Hardcopy

QB

			QH	Quarter Hours		
			RS	Resets		
			S6	Sessions		
			S7	Storage Units		
			SG	Segment		
			T0	Telecommunications Lines in Service		
			UB	Telecommunications Lines in Service -	Aver	age
			UC	Telecommunications Ports		
			UD	Tenth Minutes		
			UE	Tenth Hours		
			UF	Usage per Telecommunications Line -	Avera	ige
			UN	Unit		
			ZZ	Mutually Defined		
Not Used	ITA12	380	Quantity		X	R 1/15
	ITA13	352	Description		X	AN 1/80
			A free-form descr	ription to clarify the related data elements a	nd the	eir content
	ITA14	150	Special Charge of	or Allowance Code	X	ID 3/3
			Code identifying	type of special charge or allowance		
			See OBF Section	10.4 for a list of valid values.		
Not Used	ITA15	822	Source Subquali	fier	O	AN 1/15
	ITA16	662	Relationship Cod	de	O	<b>ID</b> 1/1
			Code indicating the	he relationship between entities		
			O	Information Only		
Not Used	ITA17	355	Unit or Basis for	Measurement Code	O	ID 2/2

**Position:** 100

Loop: ITA Optional

Level: Summary
Usage: Optional

Max Use: 2

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

- If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** Comments:

	Ref.	Data	•	Data Diement Sammary		
	Des.	<b>Element</b>	<b>Name</b>		Attı	ributes
M	DTM01	374	Date/Ti	ne Qualifier	M	ID 3/3
			Code spe	ecifying type of date or time, or both date and time		
			007	Effective		
			009	Process		
			050	Received		
			193	Period Start		
			194	Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	DTM02	373	Date		X	<b>DT 8/8</b>
			Date exp	oressed as CCYYMMDD		
Not Used	<b>DTM03</b>	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Co	ode	O	ID 2/2
Not Used	<b>DTM05</b>	1250	Date Ti	ne Period Format Qualifier	X	ID 2/3
Not Used	<b>DTM06</b>	1251	Date Tir	ne Period	X	AN 1/35

Segment: SI Service Characteristic Identification

**Position:** 103

Loop: ITA Optional

Level: Summary Usage: Optional

Max Use:

**Purpose:** To specify service characteristic data

**Syntax Notes:** 1 If either SI04 or SI05 is present, then the other is required.

- 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.
- If either SI12 or SI13 is present, then the other is required.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.
- If either SI20 or SI21 is present, then the other is required.

**Semantic Notes:** 

**Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.

			Data Element Summary		
	Ref.	Data			
	Des.	<b>Element</b>	Name		ributes
M	SI01	559	Agency Qualifier Code	M	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
M	SI02	1000	Service Characteristics Qualifier	M	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
M	SI03	234	Product/Service ID	M	AN 1/48
			Identifying number for a product or service		
	<b>SI04</b>	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI05	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI07	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI09	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	$\mathbf{X}$	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI11	234	Product/Service ID	$\mathbf{X}$	AN 1/48
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	AN 2/2
			Code from an industry code list qualifying the type of service	char	acteristics
	SI13	234	Product/Service ID	X	AN 1/48

		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	acteristics
SI15	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	chai	racteristics
<b>SI17</b>	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	chai	acteristics
SI19	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of service	char	racteristics
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: REF Reference Identification

**Position:** 105

Loop: ITA Optional

Level: Summary Usage: Optional Max Use: 5

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

Comments:

			Data	Element Summary		
	Ref.	Data				
	Des.	<b>Element</b>	Name			<u>ributes</u>
M	REF01	128		lentification Qualifier	M	ID 2/3
				ing the Reference Identification		
			12	Billing Account		
			1J	Facility ID Number		
			4L	Location-specific Services Reference N	Numbe	er
			6R	Provider Control Number		
			7I	Subscriber Authorization Number		
			8M	Originating Company Identifier		
			8N	Receiving Company Identifier		
			AAO	Carrier Assigned Code		
			BF	Billing Center Identification		
			BLT	Billing Type		
			LJ	Local Jurisdiction		
			LU	Location Number		
			P4	Project Code		
			RO	Repetitive Booking Number		
			SU	Special Processing Code		
			V0	Version		
			YN	Receiver ID Qualifier		
			ZH	Carrier Assigned Reference Number		
	REF02	127	Reference Id	lentification	X	AN 1/30
			Reference inf	Formation as defined for a particular Transaction	n Set o	or as
				he Reference Identification Qualifier		
	REF03	352	Description		X	AN 1/80
				lescription to clarify the related data elements a		eir content
	REF04	C040	Reference Id		O	
				ne or more reference numbers or identification	numb	ers as
M	C04001	128		he Reference Qualifier lentification Qualifier	M	ID 2/3
1 <b>∀1</b>	C04001	120		ing the Reference Identification	171	11) 4/3
			ACB	Region		
M	C04002	127	Reference Id	_	М	AN 1/30
IVI	C04002	14/	Reference 10	enuncation	M	AN 1/30

	C04003	128	specified by the Reference Io Reference Identification Q	ualifier X	or as ID 2/3
			Code qualifying the Referen	ce Identification	
			ACB Region		
	C04004	127	Reference Identification	X	AN 1/30
			Reference information as de specified by the Reference Io	fined for a particular Transaction Set dentification Qualifier	or as
Not Used	C04005	128	Reference Identification Q	ualifier X	ID 2/3
Not Used	C04006	127	Reference Identification	X	AN 1/30

Segment: LX Assigned Number

**Position:** 107

Loop: LX Optional

Level: Summary Usage: Optional

Max Use:

**Purpose:** To reference a line number in a transaction set

Syntax Notes: Semantic Notes: Comments:

**Data Element Summary** 

 Ref. Data

 Des.
 Element
 Name
 Attributes

 M
 LX01
 554
 Assigned Number
 M
 N0 1/6

Number assigned for differentiation within a transaction set

Segment: REF Reference Identification

**Position:** 108

Loop: LX Optional

Level: Summary Usage: Optional Max Use: 1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes: Comments: 1 REF04 contains data relating to the value cited in REF02.

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Attr	ributes
M	REF01	128	Reference Identification Qualifier		ID 2/3
			Code qualifying the Reference Identification		
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	Set o	or as
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements ar	nd the	eir content
	REF04	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification r	ıumbe	ers as
			specified by the Reference Qualifier		
M	C04001	128	Reference Identification Qualifier	$\mathbf{M}$	ID 2/3
			Code qualifying the Reference Identification		
			ACB Region		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transaction	Set o	or as
	C04002	120	specified by the Reference Identification Qualifier	<b>T</b> 7	ID 2/2
	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			ACB Region		
	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier	Set o	or as
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
Not Used	C04006	127	Reference Identification	X	AN 1/30
Not Osea	CU4000	14/	NCICICILE IUCIUIICAUUII	Λ	AIN 1/30

Segment: AMT Monetary Amount

**Position:** 109

Loop: AMT Optional

Level: Summary Usage: Optional

Max Use:

**Purpose:** To indicate the total monetary amount

Syntax Notes: Semantic Notes: Comments:

M	Ref. <u>Des.</u> AMT01	Data Element 522	Name Amount Qual Code to qualif		Att:	ributes ID 1/3
			1E	Fixed Price		
			LM	Limit		
			NR	Nonrecurring		
			RJ	Rate Amount		
			ZT	Prorated Amount		
M	AMT02	782	Monetary An	nount	M	R 1/18
			Monetary amo	ount		
Not Used	AMT03	478	Credit/Debit	Flag Code	0	<b>ID 1/1</b>

**Position:** 110

Loop: AMT Optional

Level: Summary Usage: Optional

Max Use:

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

- If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** Comments:

	Ref.	Data		•		
	Des.	<b>Element</b>	<u>Name</u>			ributes
M	DTM01	374	Date/Time Qualifi		M	ID 3/3
			Code specifying ty	pe of date or time, or both date and time		
			050	Received		
			193	Period Start		
			194	Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	<b>DTM02</b>	373	Date		$\mathbf{X}$	<b>DT 8/8</b>
			Date expressed as	CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	<b>DTM05</b>	1250	<b>Date Time Period</b>	Format Qualifier	$\mathbf{X}$	ID 2/3
Not Used	<b>DTM06</b>	1251	<b>Date Time Period</b>		$\mathbf{X}$	AN 1/35

Segment: ITA Allowance, Charge or Service

**Position:** 111

Loop: ITA Optional

Level: Summary
Usage: Optional

Max Use:

Purpose: To specify allowances, charges, or servicesSyntax Notes: 1 If ITA08 is present, then ITA09 is required.

- If ITA08 is present, then ITA09 is required.
   If ITA15 is present, then ITA02 is required.
- If ITA15 is present, then ITA02 is required.If ITA17 is present, then ITA12 is required.
- 4 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
- 5 If either ITA10 or ITA11 is present, then the other is required.

**Semantic Notes:** 1 ITA09 is the allowance or charge percent.

- 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
- 3 ITA12 is the quantity of free goods.
- **Comments:** 1 If ITA01 equals "A" allowance or "C" charge, then at least one of ITA06, ITA07, or ITA08 must be present.
  - 2 ITA02 identifies the source of the code value in ITA03 or ITA15.
  - 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.
  - 4 ITA13 is used to clarify the allowance, charge, or service.
  - 5 ITA15 specifies the individual code list of the agency specified in ITA02.
  - **6** ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

			Data Element Summary		
	Ref.	Data			
	Des.	<b>Element</b>	<u>Name</u>	<u>Attı</u>	<u>ributes</u>
M	ITA01	248	Allowance or Charge Indicator	M	<b>ID</b> 1/1
			Code which indicates an allowance or charge for the service	speci	fied
			N No Allowance or Charge		
	ITA02	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
	ITA03	560	Special Services Code	$\mathbf{X}$	ID 2/10
			Code identifying the special service		
M	ITA04	331	Allowance or Charge Method of Handling Code	$\mathbf{M}$	ID 2/2
			Code indicating method of handling for an allowance or cha	rge	
			ZZ Mutually Defined		
	ITA05	341	Allowance or Charge Number	O	AN 1/16
			The number assigned by a vendor referencing an allowance, charge	prom	otion, deal or
Not Used	ITA06	359	Allowance or Charge Rate	O	R 1/15
	ITA07	360	Allowance or Charge Total Amount	O	N2 1/15
			Total dollar amount for the allowance or charge		
	ITA08	378	Allowance/Charge Percent Qualifier	O	ID 1/1
			Code indicating on what basis allowance or charge percent i	s calcı	ulated
	ITA09	332	Percent	X	R 1/6
			Percent expressed as a percent		
	ITA10	380	Quantity	X	R 1/15
			Numeric value of quantity		

	ITA11	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being e which a measurement has been taken  AI Average Minutes Per Call	xpressed, or n	nanner in
			C		
			AN Minutes or Messages		
Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	$\mathbf{X}$	AN 1/80
			A free-form description to clarify the related data ele	ments and the	eir content
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			Refer to 004010 Data Element Dictionary for accepta	able code valu	ies.
Not Used	ITA15	822	Source Subqualifier	0	AN 1/15
	ITA16	662	Relationship Code	0	ID 1/1
			Code indicating the relationship between entities		
			O Information Only		
Not Used	ITA17	355	Unit or Basis for Measurement Code	0	ID 2/2

**Position:** 112

Loop: ITA Optional

Level: Summary Usage: Optional Max Use: 1

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

**Syntax Notes:** 1 If DTM04 is present, then DTM03 is required.

If either DTM05 or DTM06 is present, then the other is required.

3 At least one of DTM02 DTM03 or DTM05 is required.

**Semantic Notes:** Comments:

	Ref.	Data	Duta Elen	Jene Summur y		
	Des.	Element	<u>Name</u>		Attı	<u>ibutes</u>
M	$\overline{DTM01}$	374	Date/Time Qualif	ier		ID 3/3
			Code specifying ty	pe of date or time, or both date and time		
			007	Effective		
			050	Received		
			193	Period Start		
			194	Period End		
			197	End		
			201	Acceptance		
			306	Adjustment Effective Date		
			321	Purchased		
			346	Plan Begin		
			347	Plan End		
			358	Cycle Begin		
			359	Cycle End		
			507	Extract		
			949	Payment Effective		
	DTM02	373	Date		X	<b>DT 8/8</b>
			Date expressed as	CCYYMMDD		
Not Used	DTM03	337	Time		X	TM 4/8
Not Used	DTM04	623	Time Code		O	ID 2/2
Not Used	<b>DTM05</b>	1250	<b>Date Time Period</b>	Format Qualifier	X	ID 2/3
Not Used	<b>DTM06</b>	1251	<b>Date Time Period</b>		X	AN 1/35

Not Used

Not Used

CTT06

**CTT07** 

355

352

Description

	Segment:	CTI	Transaction Totals		
	Position:	115	Transaction rouns		
	Loop:	113			
	Level:	Summar	y		
	Usage:	Optional			
	Max Use:	1			
	Purpose:		mit a hash total for a specific element in the transaction set		
	Syntax Notes:		ther CTT03 or CTT04 is present, then the other is required. ther CTT05 or CTT06 is present, then the other is required.		
	Semantic Notes:	2 11 01	there er ros or er ros is present, then the other is required.		
	<b>Comments:</b>	1 This	segment is intended to provide hash totals to validate transact	ion co	ompleteness
			correctness.		
	Notes:	The num	ber of line items (CTT01) is the accumulation of the number	of II	T1 segments.
			Data Flament Summany		
	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Attı	<u>ributes</u>
M	CTT01	354	Number of Line Items		N0 1/6
			Total number of line items in the transaction set		
			Number of IT1 segments in this transaction set.		
	CTT02	347	Hash Total	O	R 1/10
			Sum of values of the specified data element. All values in the be summed without regard to decimal points (explicit or imp Truncation will occur on the left most digits if the sum is gre maximum size of the hash total of the data element.	licit)	or signs.
			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.		
			If used, the specified field for the Telecommunications Indu	istry i	is IT104.
Not 1	Used CTT03	81	Weight	X	R 1/10
Not I	Used CTT04	355	Unit or Basis for Measurement Code	X	ID 2/2
Not l	Used CTT05	183	Volume	X	R 1/8

**Unit or Basis for Measurement Code** 

X ID 2/2

O AN 1/80

Segment: **SE** Transaction Set Trailer

Position: 120

Loop:

Level: Summary Usage: Mandatory

Max Use:

**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.

M	Ref. <u>Des.</u> SE01	Data Element 96	Name Number of Included Segments	Attr M	ributes N0 1/10
M	SE02	329	Total number of segments included in a transaction set include segments  Transaction Set Control Number	ling S <b>M</b>	T and SE  AN 4/9
			Identifying control number that must be unique within the tra functional group assigned by the originator for a transaction s The value of this data element must match the value of the selement in ST02 of the Transaction Set Header.	set	