

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:

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6	010	ST	Transaction Set Header	M	1		
7	020	BIG	Beginning Segment for Invoice	M	1		
9	030	NTE	Note/Special Instruction	O	100		
10	040	CUR	Currency	O	1		
13	050	REF	Reference Identification	O	>1		
15	060	PER	Administrative Communications Contact	O	3		
17	070	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
19	080	DTM	Date/Time Reference	O	10		
20	090	TXI	Tax Information	O	>1		
LOOP ID - N1						>1	
22	100	N1	Name	O	1		
24	110	N2	Additional Name Information	O	2		
25	120	N3	Address Information	O	2		
26	130	N4	Geographic Location	O	1		

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27	140	REF	Reference Identification	O	12
30	150	PER	Administrative Communications Contact	O	3
Not Used	155	DMG	Demographic Information	O	1
LOOP ID - FA1					>1
Not Used	170	FA1	Type of Financial Accounting Data	O	1
Not Used	180	FA2	Accounting Data	M	>1

Detail:

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LOOP ID - HL						>1	
32	010	HL	Hierarchical Level	M	1		n1
LOOP ID - LX						>1	
34	020	LX	Assigned Number	O	1		
Not Used	025	VEH	Vehicle Information	O	1		
35	030	SI	Service Characteristic Identification	O	8		
37	040	PID	Product/Item Description	O	200		
Not Used	045	MEA	Measurements	O	20		
38	050	REF	Reference Identification	O	>1		
41	060	AMT	Monetary Amount	O	5		
43	070	DTM	Date/Time Reference	O	8		
45	080	TXI	Tax Information	O	>1		
LOOP ID - QTY						10	
47	090	QTY	Quantity	O	1		
50	100	SI	Service Characteristic Identification	O	1		
LOOP ID - NM1						1	
52	110	NM1	Individual or Organizational Name	O	1		n2
54	120	N2	Additional Name Information	O	2		
55	130	N3	Address Information	O	2		
56	140	N4	Geographic Location	O	1		
57	150	REF	Reference Identification	O	2		
60	160	PER	Administrative Communications Contact	O	>1		
63	170	TXI	Tax Information	O	>1		
Not Used	175	DMG	Demographic Information	O	1		
LOOP ID - ITA						>1	
65	180	ITA	Allowance, Charge or Service	O	1		
68	190	DTM	Date/Time Reference	O	1		
69	200	TXI	Tax Information	O	>1		
LOOP ID - IT1						999999	
71	210	IT1	Baseline Item Data (Invoice)	O	1		n3
73	220	SI	Service Characteristic Identification	O	2		
75	230	PID	Product/Item Description	O	200		
Not Used	235	MEA	Measurements	O	20		
76	240	INC	Installment Information	O	1		
78	250	TXI	Tax Information	O	>1		

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80	260	REF	Reference Identification	O	8	
82	270	DTM	Date/Time Reference	O	10	
84	280	MSG	Message Text	O	>1	
85	285	AMT	Monetary Amount	O	1	
LOOP ID - QTY					>1	
86	290	QTY	Quantity	O	1	
89	300	SI	Service Characteristic Identification	O	1	
LOOP ID - ITA					10	
91	310	ITA	Allowance, Charge or Service	O	1	
94	320	DTM	Date/Time Reference	O	1	
95	330	TXI	Tax Information	O	>1	
LOOP ID - NM1					>1	
97	340	NM1	Individual or Organizational Name	O	1	
99	350	N2	Additional Name Information	O	2	
100	360	N3	Address Information	O	2	
101	370	N4	Geographic Location	O	1	
102	380	PER	Administrative Communications Contact	O	3	
Not Used	385	NX2	Location ID Component	O	>1	n4
Not Used	387	DMG	Demographic Information	O	1	
LOOP ID - SLN					>1	
105	390	SLN	Subline Item Detail	O	1	n5
108	400	SI	Service Characteristic Identification	O	10	
110	410	PID	Product/Item Description	O	200	
Not Used	415	MEA	Measurements	O	20	
111	420	CUR	Currency	O	1	
113	430	INC	Installment Information	O	1	
115	440	ITA	Allowance, Charge or Service	O	10	
118	450	TXI	Tax Information	O	>1	
120	460	REF	Reference Identification	O	>1	
122	470	PER	Administrative Communications Contact	O	3	
125	480	DTM	Date/Time Reference	O	10	
127	490	AMT	Monetary Amount	O	15	
129	500	MSG	Message Text	O	>1	
LOOP ID - QTY					>1	
130	510	QTY	Quantity	O	1	
133	520	SI	Service Characteristic Identification	O	1	
LOOP ID - NM1					>1	
135	530	NM1	Individual or Organizational Name	O	1	
137	540	N2	Additional Name Information	O	2	
138	550	N3	Address Information	O	2	
139	560	N4	Geographic Location	O	1	
140	570	REF	Reference Identification	O	8	
142	580	PER	Administrative Communications Contact	O	3	
Not Used	585	DMG	Demographic Information	O	1	
LOOP ID - TCD					>1	

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144	590	TCD	Itemized Call Detail	O	1	n6
147	600	SI	Service Characteristic Identification	O	2	
149	610	TXI	Tax Information	O	>1	
151	615	ITA	Allowance, Charge or Service	O	>1	
LOOP ID - QTY						>1
154	617	QTY	Quantity	O	1	
157	618	SI	Service Characteristic Identification	O	1	
LOOP ID - USD						>1
159	620	USD	Usage-Sensitive Detail	O	1	n7
163	625	SI	Service Characteristic Identification	O	2	
165	630	ITA	Allowance, Charge or Service	O	2	
168	640	TRF	Rating Factors	O	18	
LOOP ID - QTY						>1
171	650	QTY	Quantity	O	1	
174	660	SI	Service Characteristic Identification	O	1	
LOOP ID - III						>1
Not Used	670	III	Information	O	1	
Not Used	680	DTP	Date or Time or Period	O	5	
Not Used	690	AMT	Monetary Amount	O	5	
Not Used	700	PCT	Percent Amounts	O	5	
LOOP ID - LQ						>1
Not Used	710	LQ	Industry Code	O	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	O	1	
Not Used	750	FA2	Accounting Data	M	>1	

Summary:

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176	010	TDS	Total Monetary Value Summary	M	1		
LOOP ID - ITA						>1	
177	020	ITA	Allowance, Charge or Service	O	1		
180	030	DTM	Date/Time Reference	O	1		
181	035	REF	Reference Identification	O	5		
LOOP ID - BAL						>1	
182	040	BAL	Balance Detail	O	1		
183	050	DTM	Date/Time Reference	O	1		
LOOP ID - N1						>1	
184	060	N1	Name	O	1		
LOOP ID - BAL						>1	
185	070	BAL	Balance Detail	O	1		
186	080	DTM	Date/Time Reference	O	1		

LOOP ID - ITA					>1
187	090	ITA	Allowance, Charge or Service	O	1
190	100	DTM	Date/Time Reference	O	2
Not Used	102	AMT	Monetary Amount	O	1
191	103	SI	Service Characteristic Identification	O	2
193	105	REF	Reference Identification	O	5
Not Used	106	CUR	Currency	O	1
LOOP ID - LX					>1
195	107	LX	Assigned Number	O	1
196	108	REF	Reference Identification	O	1
LOOP ID - AMT					>1
197	109	AMT	Monetary Amount	O	1
198	110	DTM	Date/Time Reference	O	1
LOOP ID - ITA					>1
199	111	ITA	Allowance, Charge or Service	O	1
201	112	DTM	Date/Time Reference	O	1
202	115	CTT	Transaction Totals	O	1 n8
203	120	SE	Transaction Set Trailer	M	1

Transaction Set Notes

- Valid codes for HL03 to define levels for this transaction set are given below: 1 - Service/Billing Provider (Identifies the Company Providing the Service/Billing) 2 - Billing Arrangement (Identifies a Specific Billing Arrangement) 3 - Sub-billing Arrangement (Identifies a More Detailed Billing Arrangement) 4 - Group (Identifies a Group of Charges on the Bill) 5 - Category (Identifies the Subdivision of the Group) 6 - Subcategory (Identifies a Further Breakdown of the Category) 7 - Type (Identifies a Further Breakdown of the Subcategory) 8 - Charge Detail (Identifies the Lowest Level of Charges within a Billing Arrangement) 9 - Line Detail (Identifies the Supporting Detail Associated with the Charge or Group Level) They must be used in the (hierarchical) order in which they are listed; however, certain levels are optional and may be omitted. At least one occurrence each of the service/billing provider level and group level is required.
- When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
- The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- The NX2 segment is used to convey parsed address information.
- The SLN loop may only appear at the charge detail level.
- The TCD loop may only appear at the line detail level.
- The USD loop may only appear at the line detail level.
- The number of line items (CTT01) is the accumulation of the number of IT1 segments.

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

Data Element Summary

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

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:
Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments: 1 BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIG01	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	BIG02	76	Invoice Number Identifying number assigned by issuer <i>OBF recommends that this number be unique. One method that may be used to make this number unique is to join the account number and the invoice date.</i>	M AN 1/22
	BIG03	373	Date Date expressed as CCYYMMDD	O DT 8/8
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 Code specifying the type of transaction	O ID 2/2
		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	

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

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:
Semantic Notes:
Comments:

- 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

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

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

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

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	CUR01	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			BY Buying Party (Purchaser)	
			PR Payer	
M	CUR02	100	Currency Code	M ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
			<i>CAD Canada, Dollars</i>	
			<i>USD United States of America, Dollars</i>	
			<i>For additional values, request ISO 4217 Currency Code List.</i>	
	CUR03	280	Exchange Rate	O R 4/10
			Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
	CUR04	98	Entity Identifier Code	O ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			PE Payee	
			PM Party to receive paper Memo of Invoice	
			RI Remit To	
			SE Selling Party	
			SJ Service Provider	
	CUR05	100	Currency Code	O ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	

CAD *Canada, Dollars*
USD *United States of America, Dollars*

For additional values, request ISO 4217 Currency Code List.

	CUR06	669	Currency Market/Exchange Code	O	ID 3/3
			Code identifying the market upon which the currency exchange rate is based		
			IMF International Monetary Fund		
			LNF London (England) Exchange - First Closing		
			LNS London (England) Exchange - Second Closing		
			NYC New York Foreign Exchange		
			PHI Philadelphia Foreign Exchange		
			ZUR Zurich (Switzerland) Exchange		
	CUR07	374	Date/Time Qualifier	X	ID 3/3
			Code specifying type of date or time, or both date and time		
			001 Cancel After		
			003 Invoice		
			007 Effective		
			<i>Effective date of exchange</i>		
			009 Process		
			035 Delivered		
			092 Contract Effective		
			093 Contract Expiration		
			102 Issue		
			150 Service Period Start		
			151 Service Period End		
			152 Effective Date of Change		
			153 Service Interruption		
			154 Adjustment Period Start		
			155 Adjustment Period End		
	CUR08	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
	CUR09	337	Time	O	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	CUR10	374	Date/Time Qualifier	X	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	Date/Time Qualifier	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 Qualifier	X	ID 3/3
Not Used	CUR17	373	Date	X	DT 8/8
Not Used	CUR18	337	Time	X	TM 4/8
Not Used	CUR19	374	Date/Time Qualifier	X	ID 3/3
Not Used	CUR20	373	Date	X	DT 8/8

Not Used CUR21 337 Time

X TM 4/8

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		11 Account Number	
		12 Billing Account	
		14 Master Account Number	
		8M Originating Company Identifier	
		8N Receiving Company Identifier	
		AAO Carrier Assigned Code	
		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	
		HB 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 (Mexican Federal Tax ID Number)	
		RE Release Number	
		SI Shipper's Identifying Number for Shipment (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 Identification		X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	REF03	352	Description		X	AN 1/80
			A free-form description to clarify the related data elements and their content			
	REF04	C040	Reference Identifier		O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
M	C04001	128	Reference Identification Qualifier		M	ID 2/3
			Code qualifying the Reference Identification			
			ACB	Region		
			BLT	Billing Type		
			SU	Special Processing Code		
M	C04002	127	Reference Identification		M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	C04003	128	Reference Identification Qualifier		X	ID 2/3
			Code qualifying the Reference Identification			
			SU	Special Processing Code		
	C04004	127	Reference Identification		X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
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: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AR Accounts Receivable Department	
		CC Computer Systems Contact	
		OD Order Department	
	PER02	93 Name	O AN 1/60
		Free-form name	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		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	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		EM Electronic Mail	
		FX Facsimile	

			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 Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code Code identifying type of payment terms 03 Fixed Date 08 Basic Discount Offered 10 Instant 18 Fixed Date, Late Payment Penalty Applies 22 Cash Discount Terms Apply	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period 3 Invoice Date 5 Invoice Receipt Date	O ID 1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	O DT 8/8

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

Segment: **DTM** **Date/Time Reference**
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 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:

Notes: *To specify billing period.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			186 Invoice Period Start	
			187 Invoice Period End	
	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8
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: **TXI Tax Information**
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code Code specifying the type of tax <i>Use any code. The following codes are preferred:</i> 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.	M ID 2/2
Not Used	TXI02	782	Monetary Amount	X R 1/18
	TXI03	954	Percent Percentage expressed as a decimal <i>Tax rate for this tax jurisdiction.</i>	X R 1/10
	TXI04	955	Tax Jurisdiction Code Qualifier 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
	TXI05	956	Tax Jurisdiction Code Code identifying the taxing jurisdiction	X AN 1/10
	TXI06	441	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		O ID 1/1
		Code indicating the relationship between entities		
		A	Add	
		D	Delete	
		O	Information Only	
TXI08	828	Dollar Basis For Percent		O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax		
TXI09	325	Tax Identification Number		O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number		
TXI10	350	Assigned Identification		O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property 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 Services	
		PR Payer	
		SV Service Performance Site	
	N102	93 Name	X AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		1 D-U-N-S Number, Dun & Bradstreet	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10 Department of Defense Activity Address Code (DODAAC)	
		<i>This code is to be used only within the federal government.</i>	
		33 Commercial and Government Entity (CAGE)	
		<i>This code is to be used only within the federal government.</i>	
		40 Electronic Mail User Code	
		41 Telecommunications Carrier Identification Code	
		42 Telecommunications Pseudo Carrier Identification Code	
		91 Assigned by Seller or Seller's Agent	
		92 Assigned by Buyer or Buyer's Agent	
		A2 Military Assistance Program Address Code (MAPAC)	

	N104	67	Identification Code	X	AN 2/80
			Code identifying a party or other code		
			<i>If N103 = '41' use CIC code list maintained by Lockheed Martin. If N103 = '42' use Pseudo-CIC list provided in OBF Section 10.4.</i>		
Not Used	N105	706	Entity Relationship Code	O	ID 2/2
Not Used	N106	98	Entity Identifier Code	O	ID 2/3

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

Data Element Summary

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

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

Data Element Summary

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

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

Data Element Summary

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

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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> REF01	<u>Element</u> 128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		01 American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)	
		03 Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)	
		05 Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)	
		10 Account Managers Code	
		13 Horizontal Coordinate	
		15 Vertical Coordinate	
		1J Facility ID Number	
		4L Location-specific Services Reference Number	
		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 Number	
		IS Invoice Number Suffix	

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

	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	REF04	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
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 Set or as specified by the Reference Identification Qualifier		
	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 Set or as specified by the Reference Identification Qualifier		

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

Semantic Notes:
Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person 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 name	
	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>Complete communications number including country or area code when applicable.</i>	
	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		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	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the 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		
		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 Number	X	AN 1/80
		Complete communications number including country or area code when applicable		
Not Used	PER09	443	O	AN 1/20
		Contact Inquiry Reference		

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

Syntax Notes:
Semantic Notes:
Comments:

- 1 The HL segment 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.*

Data Element Summary

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

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

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: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes:

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

Data Element Summary

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

Segment: **SI Service Characteristic Identification**
Position: 030
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

1. *When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 = 1, 2, 3, 5, 6, 7 or 9.*
2. *See OBF Section 10.4 for valid values when using data element 1000/234 pairs.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</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 characteristics
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 characteristics
	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 characteristics
	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 characteristics
	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 characteristics
	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 service characteristics		
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		
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 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 service characteristics		
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.
- 2 At least one of PID04 or PID05 is required.
- 3 If PID07 is present, then PID03 is required.
- 4 If PID08 is present, then PID04 is required.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

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

Comments:

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

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code	O ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values AS Assigned by Seller	X ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
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:

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

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

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		01 American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)	
		03 Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)	
		05 Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)	
		10 Account Managers Code	
		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 Number	
		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	

EF	Electronic Funds Transfer ID Number
EM	Electronic Payment Reference Number
EU	End User's Purchase Order Number
F8	Original Reference Number
GC	Government Contract Number
GT	Goods and Service Tax Registration Number
HB	Bill & Hold Invoice Number
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
LJ	Local Jurisdiction
LU	Location Number
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number
P4	Project Code
PO	Purchase Order Number
PX	Previous Invoice Number
RO	Repetitive Booking Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SU	Special Processing Code
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
V0	Version
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number

	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	REF04	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			1J Facility ID Number		

			ACB	Region		
M	C04002	127	Reference Identification		M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	C04003	128	Reference Identification Qualifier		X	ID 2/3
			Code qualifying the Reference Identification			
			ACB	Region		
	C04004	127	Reference Identification		X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
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 Element	Name	Attributes
M	AMT01	522 Amount Qualifier Code	M ID 1/3
		Code to qualify amount	
		<i>"6", "KO", "PB", and "SC" are the only valid codes at HLI (Service Provider Level).</i>	
		1	Line Item Total
		5	Total Invoice Amount
		6	Amount Subject to Total Monetary Discount
		8	Total Monetary Discount Amount
		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
		CH	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	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.
 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:

Notes:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	<u>ID</u>
M	DTM01	374	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	
		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 DT 8/8
		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 Format Qualifier	X	ID 2/3
Not Used	DTM06	1251	Date Time Period	X	AN 1/35

Segment: **TXI** Tax Information
Position: 080
Loop: LX Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
Notes: *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 Element	Name	Attributes
M	TXI01 963	Tax Type Code Code specifying the type of tax <i>Use any code. The following codes are preferred:</i> 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.	M ID 2/2
	TXI02 782	Monetary Amount Monetary amount	X R 1/18
	TXI03 954	Percent Percentage expressed as a decimal <i>Tax rate for this tax jurisdiction.</i>	X R 1/10
	TXI04 955	Tax Jurisdiction Code Qualifier 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
	TXI05 956	Tax Jurisdiction Code Code identifying the taxing jurisdiction	X AN 1/10

TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

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

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	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	<u>M ID 2/2</u>
M	QTY01	673	
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
		27 Committed Quantity	
		38 Original Quantity	
		47 Primary Net Quantity	
		7K Time Frame	
		87 Quantity Received	
		8H Minimum	
		90 Acknowledged Quantity	
		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 quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
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		
			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	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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
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 Message	X	AN 1/30

Segment: **SI Service Characteristic Identification**
Position: 100
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

Comments:

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 '1', '2', '3', '5', '6', '7' or '9'.*
- 2. See OBF Section 10.4 for valid values when using data element 1000/234 pairs.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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 characteristics	
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 characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	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: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
 2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: *When submitting the 811 to any federal agency, use of the NM1 loop is optional when HL03 is "2", "3", "5", "6", or "7", and is required when HL03 is "1".*

Data Element Summary

Ref.	Data Element	Name	Attributes
M	NM101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>1. 'SJ' and '9D' are the only valid codes at HL1 (Service Provider Level).</i> <i>2. 'OB' and 'P9' are invalid at HL2 (Billing Arrangement Level) and HL3 (Sub-Billing Arrangement Level).</i> <i>3. 'C3', 'CT', 'GP', 'IA', 'OB' and 'P9' are the only valid codes at HL5 (Category Level), HL6 (Subcategory Level) and HL7 (Type Level).</i>	
		9D	New Service Provider
		AG	Agent/Agency
		AK	Party to Whom Acknowledgment Should Be Sent
		AO	Account Of
		BS	Bill and Ship To
		C3	Circuit Location Identifier
		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	Party to receive paper Memo of Invoice
		PR	Payer
		RI	Remit To
		RL	Reporting Location
		SE	Selling Party
		SJ	Service Provider
M	NM102	1065 Entity Type Qualifier	M ID 1/1
		Code qualifying the type of entity	

		1	Person	
		2	Non-Person Entity	
		3	Unknown	
NM103	1035	Name Last or Organization Name		<input type="radio"/> AN 1/35
		Individual last name or organizational name		
NM104	1036	Name First		<input type="radio"/> AN 1/25
		Individual first name		
NM105	1037	Name Middle		<input type="radio"/> AN 1/25
		Individual middle name or initial		
NM106	1038	Name Prefix		<input type="radio"/> AN 1/10
		Prefix to individual name		
NM107	1039	Name Suffix		<input type="radio"/> AN 1/10
		Suffix to individual name		
NM108	66	Identification Code Qualifier		<input checked="" type="radio"/> ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		<i>Code values '41', '42' and '91' are the only valid values at HLI (Service Provider Level).</i>		
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		40	Electronic Mail User Code	
		41	Telecommunications Carrier Identification Code	
		42	Telecommunications Pseudo Carrier Identification Code	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
		ZY	Temporary Identification Number	
NM109	67	Identification Code		<input checked="" type="radio"/> AN 2/80
		Code identifying a party or other code		
		<i>If NM108 = '42' - use CIC code list maintained by Lockheed Martin. If NM108 = '41' - use Pseudo-CIC list provided in OBF Section 10.4.</i>		
Not Used	NM110	706	Entity Relationship Code	<input checked="" type="radio"/> ID 2/2
Not Used	NM111	98	Entity Identifier Code	<input type="radio"/> ID 2/3

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

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

Data Element Summary

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

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

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

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 140
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

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

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

M	Ref. Des.	Data Element	Name	Attributes
				M ID 2/3
	REF01	128	Reference Identification Qualifier	
			Code qualifying the Reference Identification	
			<i>"10", "CR", "EF", "GT", "IV", "LB", "RT", "TF" and "VC" are the only valid codes at HLI (Service Provider Level).</i>	
		01	American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)	
		03	Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)	
		05	Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)	
		10	Account Managers Code	
		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 Number	
		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	

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
HB	Bill & Hold Invoice Number
IT	Internal Customer Number
IV	Seller's Invoice Number
LB	Lockbox
LI	Line Item Identifier (Seller's)
LJ	Local Jurisdiction
LU	Location Number
NP	Partial Payment Number
OI	Original Invoice Number
OP	Original Purchase Order
OR	Order/Paragraph Number
OW	Service Order Number
P4	Project Code
PO	Purchase Order Number
PX	Previous Invoice Number
RO	Repetitive Booking Number
RT	Payee's Financial Institution Transit Routing Number for Check, Draft or Wire Payments. Receiving Depository Financial Institution Transit Routing Number for ACH Transfers
SE	Serial Number
SU	Special Processing Code
SX	Service Interrupt Tracking Number
TF	Transfer Number
TJ	Federal Taxpayer's Identification Number
V0	Version
VC	Vendor Contract Number
VN	Vendor Order Number
VR	Vendor ID Number
YN	Receiver ID Qualifier
ZH	Carrier Assigned Reference Number

	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	REF04	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		

			1J ACB	Facility ID Number Region		
M	C04002	127	Reference Identification		M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	C04003	128	Reference Identification Qualifier		X	ID 2/3
			Code qualifying the Reference Identification			
			ACB	Region		
	C04004	127	Reference Identification		X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
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: 160
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AD Accounting Department	
		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 Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
		UR Uniform Resource Locator (URL)	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER05	365 Communication Number Qualifier	X ID 2/2

Code identifying the type of communication number

AU Defense Switched Network

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 365 Communication Number Qualifier X ID 2/2

Code identifying the 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

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 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: **TXI Tax Information**
Position: 170
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
Notes: *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 Element	Name	Attributes
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	Monetary Amount	X R 1/18
		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.

TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	

TXI06	441	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)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code Code indicating the relationship between entities	O ID 1/1
		A Add	
		D Delete	
		O Information Only	
TXI08	828	Dollar Basis For Percent Dollar basis to be used in the percent calculation of the allowance, charge or tax	O R 1/9
TXI09	325	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	O AN 1/20
TXI10	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20

Segment: **ITA** Allowance, Charge or Service
Position: 180
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes: 1 If ITA08 is present, then ITA09 is required.
 2 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.
Notes: *When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "1", "2", "3", "5", "6", or "7".*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See OBF Section 10.4 for valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	
		ZZ Mutually Defined	
	ITA05	341 Allowance or Charge Number	O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
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 is calculated		
		9		Late Payment Charge Base Amount
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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			<i>See OBF Section 10.4 for valid values.</i>		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the relationship between entities		
			<i>Code "I" is only valid in HLs 4 - 9.</i>		
			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: 190
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.
 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:

Notes:

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		001 Cancel After	
		003 Invoice	
		007 Effective	
		009 Process	
		035 Delivered	
		092 Contract Effective	
		093 Contract Expiration	
		102 Issue	
		150 Service Period Start	
		151 Service Period End	
		152 Effective Date of Change	
		153 Service Interruption	
		154 Adjustment Period Start	
		155 Adjustment Period End	
	DTM02	373 Date	X DT 8/8
		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 Format Qualifier	X ID 2/3
Not Used	DTM06	1251 Date Time Period	X AN 1/35

Segment: **TXI Tax Information**
Position: 200
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:
Notes: *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 Element	Name	Attributes
M	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code. The following codes are preferred:</i>	
		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 Monetary Amount	X R 1/18
		Monetary amount	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
	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.	
	TXI05	956 Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	

TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 210
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the purchase order line item identification.

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

- Notes:**
1. *The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.*
 2. *When submitting the 811 to any federal agency, use of the IT1 segment is required when HL03 is "4".*

Data Element Summary

Ref.	Data	Element	Name	Attributes
		IT101	350 Assigned Identification	O AN 1/20
Must Use		IT102	358 Quantity Invoiced Alphanumeric characters assigned for differentiation within a transaction set Number of units invoiced (supplier units)	X R 1/10
Must Use		IT103	355 Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>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).</i>	X ID 2/2
			EA Each	
			M4 Monetary Value	
			MO Months	
Must Use		IT104	212 Unit Price Price per unit of product, service, commodity, etc.	X R 1/17
		IT105	639 Basis of Unit Price Code Code identifying the type of unit price for an item	O ID 2/2
			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 ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		SV	Service Rendered		
	IT107	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			<i>See OBF Section 10.4 for valid values.</i>		
	IT108	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			<i>'ZZ' is temporarily being used for Telecom Service Type (WJ) which is effective with ASC X12 version 004020.</i>		
		ZZ	Mutually Defined		
			<i>'ZZ' is temporarily being used for Telecom Service Type 'WJ' which is effective with ASC X12 version 004020.</i>		
	IT109	234	Product/Service ID	X	AN 1/48
			Identifying number for a product or service		
			<i>See OBF Section 10.4 for a list of valid codes.</i>		
Not Used	IT110	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT111	234	Product/Service ID	X	AN 1/48
Not Used	IT112	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT113	234	Product/Service ID	X	AN 1/48
Not Used	IT114	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT115	234	Product/Service ID	X	AN 1/48
Not Used	IT116	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT117	234	Product/Service ID	X	AN 1/48
Not Used	IT118	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT119	234	Product/Service ID	X	AN 1/48
Not Used	IT120	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT121	234	Product/Service ID	X	AN 1/48
Not Used	IT122	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT123	234	Product/Service ID	X	AN 1/48
Not Used	IT124	235	Product/Service ID Qualifier	X	ID 2/2
Not Used	IT125	234	Product/Service ID	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: 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 '4'.*
2. *See OBF Section 10.4 for a list of valid values when using data element 1000/234 pairs.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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 characteristics	
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 characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	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:

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

Semantic Notes:

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

Comments:

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

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code	O ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values AS Assigned by Seller	X ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	INC01	336	Terms Type Code Code identifying type of payment terms 04 Deferred or Installment	M ID 2/2
M	INC02	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken MO Months	M ID 2/2
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 Numeric value of quantity <i>Indicates the total number of installments.</i>	M R 1/15
M	INC04	380	Quantity Numeric value of quantity <i>Indicates the number of current installments.</i>	M R 1/15

INC05	782	Monetary Amount	O R 1/18
		Monetary amount	
		<i>Balance remaining after this installment is billed.</i>	

Segment: **TXI Tax Information**
Position: 250
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code. The following codes are preferred:</i>	
		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 Monetary Amount	X R 1/18
		Monetary amount	
		<i>Proposed OBF change to summing rules: This amount will be the roll up of subordinate TXI segment billed amounts.</i>	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
	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.	

TXI05	956	Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	
TXI06	441	Tax Exempt Code	X ID 1/1
		Code identifying exemption status from sales and use tax	
		1 Yes (Tax Exempt)	
		2 No (Not Tax Exempt)	
		5 Exempt (Not For Resale)	
		8 Exempt (Sale to U.S. Government)	
		9 Exempt (Per State Law)	
		C Not Taxable	
TXI07	662	Relationship Code	O ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		O Information Only	
TXI08	828	Dollar Basis For Percent	O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax	
TXI09	325	Tax Identification Number	O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	
TXI10	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	

Segment: **REF** **Reference Identification**
Position: 260
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "4".*

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		11 Account Number	
		12 Billing Account	
		1J Facility ID Number	
		4L Location-specific Services Reference Number	
		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 Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	
	REF04	C040 Reference Identifier	O
		To identify one or more reference numbers or identification numbers as	

M	C04001	128	specified by the Reference Qualifier Reference Identification Qualifier Code qualifying the Reference Identification 1J Facility ID Number ACB Region	M ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification ACB Region	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier	X ID 2/3
Not Used	C04006	127	Reference Identification	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.
- 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:

Notes:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	<u>M ID 3/3</u>
M	DTM01	374	M ID 3/3
		Code specifying type of date or time, or both date and time	
		001	Cancel After
		003	Invoice
		007	Effective
		009	Process
		035	Delivered
		050	Received
		092	Contract Effective
		093	Contract Expiration
		102	Issue
		150	Service Period Start
		151	Service Period End
		152	Effective Date of Change
		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
	DTM02	373	X DT 8/8
		Date	
		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 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".*

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	MSG01	933	Free-Form Message Text Free-form message text	M AN 1/264
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:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code Code to qualify amount 1E Fixed Price 8V Services LM Limit NR Nonrecurring RJ Rate Amount ZT Prorated Amount	M ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M R 1/18
Not Used	AMT03	478	Credit/Debit Flag Code	O ID 1/1

Segment: **QTY** Quantity
Position: 290
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY segment is optional when HL03 is "4".*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
M	QTY01	673	M ID 2/2
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
		27 Committed Quantity	
		38 Original Quantity	
		47 Primary Net Quantity	
		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 quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
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		
			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	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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
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 Message	X	AN 1/30

Segment: **SI Service Characteristic Identification**
Position: 300
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

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'.

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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 characteristics	
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 characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **ITA** Allowance, Charge or Service
Position: 310
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes: 1 If ITA08 is present, then ITA09 is required.
 2 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.
Notes: *When submitting the 811 to any federal agency, use of the ITA loop is optional when HL03 is "4".*

Data Element Summary

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

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 is calculated	
	9	Late Payment Charge Base Amount	
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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their 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 acceptable code values.		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the relationship between entities		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	ITA17	355	Unit or Basis for Measurement Code	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.
 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:

Notes:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	<u>ID</u>
M	DTM01	374	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	
		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 DT 8/8
		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 Format Qualifier	X ID 2/3
Not Used	DTM06	1251 Date Time Period	X AN 1/35

Segment: **TXI Tax Information**
Position: 330
Loop: ITA Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code. The following codes are preferred:</i>	
		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 Monetary Amount	X R 1/18
		Monetary amount	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
	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.	
	TXI05	956 Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	

TXI06	441	Tax Exempt Code	X	ID 1/1
		Code identifying exemption status from sales and use tax		
		1 Yes (Tax Exempt)		
		2 No (Not Tax Exempt)		
TXI07	662	Relationship Code	O	ID 1/1
		Code indicating the relationship between entities		
		A Add		
		D Delete		
		O Information Only		
TXI08	828	Dollar Basis For Percent	O	R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax		
TXI09	325	Tax Identification Number	O	AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number		
TXI10	350	Assigned Identification	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		

Segment: **NM1** Individual or Organizational Name
Position: 340
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
 2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: *When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is '4'.*

Data Element Summary

Ref.	Data Element	Name	Attributes
M	NM101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual <i>'SJ' and '9D' are the only valid codes at HL1 (Service Provider Level).</i>	
		9D New Service Provider	
		AG Agent/Agency	
		AK Party to Whom Acknowledgment Should Be Sent	
		AO Account Of	
		BS Bill and Ship To	
		C3 Circuit Location Identifier	
		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 Entity Type Qualifier	M ID 1/1
		Code qualifying the type of entity Refer to 004010 Data Element Dictionary for acceptable code values.	
	NM103	1035 Name Last or Organization Name	O AN 1/35
		Individual last name or organizational name	
	NM104	1036 Name First	O AN 1/25
		Individual first name	
	NM105	1037 Name Middle	O AN 1/25
		Individual middle name or initial	

	NM106	1038	Name Prefix	O AN 1/10
			Prefix to individual name	
	NM107	1039	Name Suffix	O AN 1/10
			Suffix to individual name	
	NM108	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			<i>Code values '41', '42' and '91' are the only valid values at HLI (Service Provider Level).</i>	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		40	Electronic Mail User Code	
		41	Telecommunications Carrier Identification Code	
		42	Telecommunications Pseudo Carrier Identification Code	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
		ZY	Temporary Identification Number	
	NM109	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			<i>If N103 = '41' use CIC code list maintained by Lockheed Martin. If N103 = '42' use Pseudo-CIC list provided in OBF Section 10.4.</i>	
			<i>If NM108 = '42' use CIC Code list maintained by Lockheed Martin. If NM108 = '41' use Pseudo-CIC list provided in OBF Section 10.4.</i>	
Not Used	NM110	706	Entity Relationship Code	X ID 2/2
Not Used	NM111	98	Entity Identifier 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".

Data Element Summary

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

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

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

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 370
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "4".*

Data Element Summary

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

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

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AD Accounting Department	
		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 Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
		UR Uniform Resource Locator (URL)	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>Complete communications number including country or area code when applicable.</i>	

PER05	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		AU Defense Switched Network		
		<i>This code is to be used only within the federal government.</i>		
		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	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the 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		
		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 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:	SLN Subline Item Detail
Position:	390
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1. <i>The SLN loop may only appear at HL8 (Charge Detail Level).</i> 2. <i>When submitting the 811 to any federal agency, use of the SLN loop is required when HL03 is "8".</i>

Data Element Summary

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

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	
			<i>When SLN05.01 = 'M4', rules of extended pricing do not apply. Proposed OBF change: when used, 'M4' equals the roll up from lower levels (see OBF summing rules in OBF Section 7.3).</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
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
	SLN06	212	Unit Price	X R 1/17
			Price per unit of product, service, commodity, etc.	
	SLN07	639	Basis of Unit Price 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	
			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	
			WI Weekly Price per Unit	
	SLN08	662	Relationship Code	O ID 1/1
			Code indicating the relationship between entities	
			A Add	
			D Delete	
			I Included	
			O Information Only	
	SLN09	235	Product/Service ID Qualifier	X ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			<i>Code 'ZZ' is temporarily being used for code 'WJ'.</i>	
			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 <i>If SLN09 = 'SV' or 'ZZ', see OBF Section 10.4 for a list of valid values.</i>	X	AN 1/48
	SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	X	ID 2/2
	SLN12	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
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.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

- Comments:** 1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
 1. *When submitting the 811 to any federal agency, use of the SI segment is optional when HL03 is '8'.*
 2. *See OBF Section 10.4 for valid values when using data element 1000/234 pairs.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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 characteristics	
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 characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
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.
- 5 If PID09 is present, then PID05 is required.

Semantic Notes:

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

Comments:

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

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
Not Used	PID02	750	Product/Process Characteristic Code	O ID 2/3
	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values AS Assigned by Seller	X ID 2/2
	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
	PID05	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
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: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

Comments: 1 See Figures Appendix for examples detailing the use of the CUR segment.

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	CUR01	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PR Payer	M ID 2/3
M	CUR02	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified <i>CAD Canada, Dollars</i> <i>USD United States of America, Dollars</i> <i>For additional values, request ISO 4217 Currency Code List.</i>	M ID 3/3
	CUR03	280 Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	O R 4/10
	CUR04	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual PE Payee PM Party to receive paper Memo of Invoice RI Remit To SE Selling Party SJ Service Provider	O ID 2/3
	CUR05	100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified	O ID 3/3

CAD *Canada, Dollars*
USD *United States of America, Dollars*
For additional values, request ISO 4217 Currency Code List.

	CUR06	669	Currency Market/Exchange Code	O	ID 3/3
			Code identifying the market upon which the currency exchange rate is based		
			IMF International Monetary Fund		
			LNF London (England) Exchange - First Closing		
			LNS London (England) Exchange - Second Closing		
			NYC New York Foreign Exchange		
			PHI Philadelphia Foreign Exchange		
			ZUR Zurich (Switzerland) Exchange		
	CUR07	374	Date/Time Qualifier	X	ID 3/3
			Code specifying type of date or time, or both date and time		
			001 Cancel After		
			003 Invoice		
			007 Effective		
			009 Process		
			035 Delivered		
			092 Contract Effective		
			093 Contract Expiration		
			102 Issue		
			150 Service Period Start		
			151 Service Period End		
			152 Effective Date of Change		
			153 Service Interruption		
			154 Adjustment Period Start		
			155 Adjustment Period End		
	CUR08	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
	CUR09	337	Time	O	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	CUR10	374	Date/Time Qualifier	X	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	Date/Time Qualifier	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 Qualifier	X	ID 3/3
Not Used	CUR17	373	Date	X	DT 8/8
Not Used	CUR18	337	Time	X	TM 4/8
Not Used	CUR19	374	Date/Time Qualifier	X	ID 3/3
Not Used	CUR20	373	Date	X	DT 8/8
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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	INC01	336	Terms Type Code Code identifying type of payment terms 04 Deferred or Installment	M ID 2/2
M	INC02	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
M	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
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 Numeric value of quantity <i>Indicates the total number of installments.</i>	M R 1/15
M	INC04	380	Quantity Numeric value of quantity <i>Indicates number of current installments.</i>	M R 1/15

INC05	782	Monetary Amount	O R 1/18
		Monetary amount	
		<i>Balance remaining after this installment is billed.</i>	

Segment: **ITA** Allowance, Charge or Service
Position: 440
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify allowances, charges, or services
Syntax Notes:

- 1 If ITA08 is present, then ITA09 is required.
- 2 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.

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

Data Element Summary

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

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 is calculated	
	9	Late Payment Charge Base Amount	
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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			<i>See OBF Section 10.4 for a list of valid values.</i>		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the 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: **TXI Tax Information**
Position: 450
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code. The following codes are preferred:</i>	
		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 Monetary Amount	X R 1/18
		Monetary amount	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
	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.	
	TXI05	956 Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	

TXI06	441	Tax Exempt Code Code identifying exemption status from sales and use tax 1 Yes (Tax Exempt) 2 No (Not Tax Exempt)	X ID 1/1
TXI07	662	Relationship Code Code indicating the relationship between entities A Add D Delete I Included O Information Only	O ID 1/1
TXI08	828	Dollar Basis For Percent Dollar basis to be used in the percent calculation of the allowance, charge or tax	O R 1/9
TXI09	325	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	O AN 1/20
TXI10	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20

Segment: **REF** Reference Identification
Position: 460
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".*

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		12 Billing Account	
		1J Facility ID Number	
		4L Location-specific Services Reference Number	
		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 Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	
	REF04	C040 Reference Identifier	O
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	

M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification 1J Facility ID Number ACB Region	M ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
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: 470
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AD Accounting Department	
		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 Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
		UR Uniform Resource Locator (URL)	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		<i>Complete communications number including country or area code when applicable.</i>	

PER05	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the type of communication number		
		AU Defense Switched Network		
		<i>This code is to be used only within the federal government.</i>		
		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	365	Communication Number Qualifier	X	ID 2/2
		Code identifying the 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		
		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 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: **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.
 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:

Notes:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	<u>ID</u>
M	DTM01	374	M ID 3/3
		Code specifying type of date or time, or both date and time	
		001 Cancel After	
		003 Invoice	
		007 Effective	
		009 Process	
		035 Delivered	
		050 Received	
		092 Contract Effective	
		093 Contract Expiration	
		102 Issue	
		150 Service Period Start	
		151 Service Period End	
		152 Effective Date of Change	
		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 DT 8/8
		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 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 Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Amount Qualifier Code</u>	<u>M ID 1/3</u>
M	AMT01	522	
		Code to qualify amount	
		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	
		CH 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	Monetary Amount M R 1/18

Not Used	AMT03	478	Monetary amount Credit/Debit Flag Code	O ID 1/1
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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".*

Data Element Summary

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

Segment: **QTY** Quantity
Position: 510
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "8".*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
M	QTY01	673	M ID 2/2
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
		27 Committed Quantity	
		38 Original Quantity	
		47 Primary Net Quantity	
		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 quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
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		
			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	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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
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 Message	X AN 1/30

Segment: **SI Service Characteristic Identification**
Position: 520
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

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.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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 characteristics	
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 characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **NM1 Individual or Organizational Name**
Position: 530
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply the full name of an individual or organizational entity
Syntax Notes: 1 If either NM108 or NM109 is present, then the other is required.
 2 If NM111 is present, then NM110 is required.
Semantic Notes: 1 NM102 qualifies NM103.
Comments: 1 NM110 and NM111 further define the type of entity in NM101.
Notes: *When submitting the 811 to any federal agency, use of the NM1 segment is optional when HL03 is '8'.*

Data Element Summary

Ref.	Data Element	Name	Attributes
M	NM101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>'SJ' and '9D' are the only valid codes at HL1 (Service Provider Level).</i>	
		9D New Service Provider	
		AG Agent/Agency	
		AK Party to Whom Acknowledgment Should Be Sent	
		AO Account Of	
		BS Bill and Ship To	
		C3 Circuit Location Identifier	
		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 Entity Type Qualifier	M ID 1/1
		Code qualifying the type of entity	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	NM103	1035 Name Last or Organization Name	O AN 1/35
		Individual last name or organizational name	
	NM104	1036 Name First	O AN 1/25
		Individual first name	
	NM105	1037 Name Middle	O AN 1/25
		Individual middle name or initial	

	NM106	1038	Name Prefix	O AN 1/10
			Prefix to individual name	
	NM107	1039	Name Suffix	O AN 1/10
			Suffix to individual name	
	NM108	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			<i>Code values '41', '42' and '91' are the only valid values at HLI (Service Provider Level).</i>	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		10	Department of Defense Activity Address Code (DODAAC)	
		33	Commercial and Government Entity (CAGE)	
		40	Electronic Mail User Code	
		41	Telecommunications Carrier Identification Code	
		42	Telecommunications Pseudo Carrier Identification Code	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
		ZY	Temporary Identification Number	
	NM109	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			<i>If N103 = '41' use CIC code list maintained by Lockheed Martin. If N103 = '42' use Pseudo-CIC list provided in OBF Section 10.4.</i>	
			<i>If NM108 = '42' use CIC code list maintained by Lockheed Martin. If NM108 = '41' use Pseudo-CIC list provided in OBF Section 10.4.</i>	
Not Used	NM110	706	Entity Relationship Code	X ID 2/2
Not Used	NM111	98	Entity Identifier Code	O ID 2/3

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

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

Data Element Summary

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

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

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

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 560
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: *When submitting the 811 to any federal agency, use of the N4 segment is optional when HL03 is "8".*

Data Element Summary

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

Segment: **REF** **Reference Identification**
Position: 570
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 8
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the REF segment is optional when HL03 is "8".*

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		1J Facility ID Number	
		4L Location-specific Services Reference Number	
		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 Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352 Description	X AN 1/80
		A free-form description to clarify the related data elements and their content	
	REF04	C040 Reference Identifier	O
		To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	
M	C04001	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		1J Facility ID Number	
		ACB Region	

M	C04002	127	Reference Identification	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	C04003	128	Reference Identification Qualifier	X ID 2/3
			Code qualifying the Reference Identification	
			ACB Region	
	C04004	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
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: 580
Loop: NM1 Optional
Level: Detail
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.
 2 If either PER05 or PER06 is present, then the other is required.
 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		AD Accounting Department	
		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 Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		AU Defense Switched Network	
		<i>This code is to be used only within the federal government.</i>	
		EM Electronic Mail	
		FX Facsimile	
		TE Telephone	
		UR Uniform Resource Locator (URL)	
	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER05	365 Communication Number Qualifier	X ID 2/2

Code identifying the type of communication number

AU Defense Switched Network

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		
Not Used	PER07	365	Communication Number Qualifier	X	ID 2/2
Not Used	PER08	364	Communication Number	X	AN 1/80
Not Used	PER09	443	Contact Inquiry Reference	O	AN 1/20

Segment:	TCD Itemized Call Detail
Position:	590
Loop:	TCD Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify detail information for itemized calls
Syntax Notes:	<ol style="list-style-type: none"> 1 If either TCD04 or TCD05 is present, then the other is required. 2 If either TCD07 or TCD08 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 TCD12 is an undiscounted amount. 2 TCD13 is a net amount after the discount has been applied to the amount in TCD12. 3 TCD14 is an undiscounted amount. 4 TCD15 is a net amount after the discount has been applied to the amount in TCD14. 5 TCD16 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	<ol style="list-style-type: none"> 1 TCD01 is the detail information. 2 TCD02 is the date of the call. 3 TCD03 is the connect time of the call. 4 TCD04, TCD05, and TCD06 are the 'to' location of the call. 5 TCD07, TCD08, and TCD09 are the 'from' location of the call. 6 TCD10 and TCD11 are the total duration of the call. TCD10 is the time measured in minutes or minutes and tenths of minutes. TCD11 is time measured in seconds or seconds and tenths of seconds.
Notes:	<ol style="list-style-type: none"> 1. <i>The TCD loop may only appear at the line detail level.</i> 2. <i>When submitting the 811 to any federal agency, use of a minimum of TCD or USD or both is required when HL03 is "9".</i>

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
TCD01	350	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
TCD02	373	Date	O DT 8/8
		Date expressed as CCYYMMDD	
TCD03	337	Time	O TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
		<i>Connect time of call.</i>	
TCD04	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		<i>Code identifying the type of "TO" location provided in TCD05 and TCD06.</i>	
		<i>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).</i>	
		<i>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.</i>	

		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
		ZZ	Mutually Defined		
TCD05	310	Location Identifier		X	AN 1/30
		Code which identifies a specific location			
TCD06	156	State or Province Code		O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency			
TCD07	309	Location Qualifier		X	ID 1/2
		Code identifying type of location			
		<i>Code identifying the type of "FROM" location provided in TCD08 and TCD09.</i>			
		<i>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).</i>			
		<i>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.</i>			
		AC	City and State		
		CC	Country		
		CI	City		
		SP	State/Province		
		ZZ	Mutually Defined		
TCD08	310	Location Identifier		X	AN 1/30
		Code which identifies a specific location			
TCD09	156	State or Province Code		O	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency			
TCD10	739	Measurement Value		O	R 1/20
		The value of the measurement			
		<i>Duration of call measured in minutes and tenths of minutes.</i>			
TCD11	739	Measurement Value		O	R 1/20
		The value of the measurement			
		<i>Duration of call measured in seconds and tenths of seconds.</i>			
TCD12	782	Monetary Amount		O	R 1/18
		Monetary amount			
		<i>Undiscounted amount.</i>			
TCD13	782	Monetary Amount		O	R 1/18
		Monetary amount			
		<i>Net amount after a discount has been applied to the amount in TCD12.</i>			
TCD14	782	Monetary Amount		O	R 1/18
		Monetary amount			
		<i>Undiscounted amount.</i>			
TCD15	782	Monetary Amount		O	R 1/18
		Monetary amount			
		<i>Net amount after a discount has been applied to the amount in TCD14.</i>			

TCD16

662

Relationship Code

O ID 1/1

Code indicating the relationship between entities

A	Add
D	Delete
I	Included
O	Information Only

Segment: **SI Service Characteristic Identification**
Position: 600
Loop: TCD Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</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 characteristics		
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 characteristics		
	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 characteristics		
	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 characteristics		
	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 characteristics		
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **TXI Tax Information**
Position: 610
Loop: TCD Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

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

Data Element Summary

Ref.	Data Element	Name	Attributes
M	TXI01	963 Tax Type Code	M ID 2/2
		Code specifying the type of tax	
		<i>Use any code. The following codes are preferred:</i>	
		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 Monetary Amount	X R 1/18
		Monetary amount	
	TXI03	954 Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Tax rate for this jurisdiction.</i>	
	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.	
	TXI05	956 Tax Jurisdiction Code	X AN 1/10
		Code identifying the taxing jurisdiction	

TXI06	441	Tax Exempt Code Code identifying exemption status from sales and use tax 1 Yes (Tax Exempt) 2 No (Not Tax Exempt)	X ID 1/1
TXI07	662	Relationship Code Code indicating the relationship between entities A Add D Delete I Included O Information Only	O ID 1/1
TXI08	828	Dollar Basis For Percent Dollar basis to be used in the percent calculation of the allowance, charge or tax	O R 1/9
TXI09	325	Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number	O AN 1/20
TXI10	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20

Segment: **ITA** Allowance, Charge or Service
Position: 615
Loop: TCD Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify allowances, charges, or services
Syntax Notes:

- 1 If ITA08 is present, then ITA09 is required.
- 2 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.

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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See OBF Section 10.4 for a list of valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	
		ZZ Mutually Defined	
	ITA05	341 Allowance or Charge Number	O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
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 is calculated		
		9	Late Payment Charge Base Amount	
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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			<i>See OBF Section 10.4 for a list of valid values.</i>		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the 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: **QTY** Quantity
Position: 617
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
M	QTY01	673	M ID 2/2
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
		27 Committed Quantity	
		38 Original Quantity	
		47 Primary Net Quantity	
		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 quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
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		
			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	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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
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 Message	X AN 1/30

Segment: **SI Service Characteristic Identification**
Position: 618
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

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.*

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</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 characteristics		
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 characteristics		
	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 characteristics		
	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 characteristics		
	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 characteristics		
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment: **USD Usage-Sensitive Detail**
Position: 620
Loop: USD Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify usage-sensitive details which qualify for discounts or are subject to special rates

- Syntax Notes:**
- 1 Only one of USD03 or USD04 may be present.
 - 2 If USD03 is present, then at least one of USD06 USD07 or USD08 is required.
 - 3 If USD04 is present, then at least one of USD08 or USD09 is required.
 - 4 If either USD05 or USD06 is present, then the other is required.
 - 5 If USD07 is present, then both USD05 and USD06 are required.
 - 6 If USD10 is present, then at least one of USD11 or USD12 is required.
 - 7 If USD11 is present, then USD10 is required.
 - 8 If USD12 is present, then USD10 is required.

- Semantic Notes:**
- 1 USD01 is a code indicating the relationship of the price or amount to the associated segment.
 - 2 USD03 is the allowance or charge rate per unit.
 - 3 USD04 is the discount percentage.
 - 4 USD06 is the quantity of usage.
 - 5 USD07 is a quantity of usage different than the quantity in USD06. When USD07 is present, it is used in conjunction with USD06, and then the rate USD03 is applied.
 - 6 USD09 is the total amount of terms discount.

- Comments:**
- 1 If both USD03 and USD08 are present, then USD08 takes precedence.
 - 2 If USD11 is present and USD12 is not present, then the range is open ended.
 - 3 If USD12 is present and USD11 is not present, then the minimum is zero.

- Notes:**
1. *The USD loop may only appear at the line detail level.*
 2. *When submitting the 811 to any federal agency, use of a minimum of USD or TCD or both is required when HL03 is "9".*

Data Element Summary

Ref.	Data Element	Name	Attributes
M	USD01	Relationship Code	M ID 1/1
		Code indicating the relationship between entities	
		A Add	
		D Delete	
		I Included	
		O Information Only	
	USD02	Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
	USD03	Rate	X R 1/9
		Rate expressed in the standard monetary denomination for the currency specified	
		<i>If both USD03 and USD08 are present, then USD08 takes precedence.</i>	
	USD04	Percent	X R 1/10
		Percentage expressed as a decimal	
		<i>Discount Percentage.</i>	
	USD05	Composite 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	
			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	
			S7 Storage Units	
			SG Segment	

T0	Telecommunications Lines in Service
UB	Telecommunications Lines in Service - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
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
	USD06	380	Quantity	X	R 1/15
			Numeric value of quantity		
	USD07	380	Quantity	X	R 1/15
			Numeric value of quantity		
			<i>1. A quantity of usage different from the quantity of usage in USD06.</i>		
			<i>2. When USD07 is present, it is used in conjunction with USD06 and then the rate in USD03 is applied.</i>		
	USD08	782	Monetary Amount	X	R 1/18
			Monetary amount		
	USD09	610	Amount	X	N2 1/15
			Monetary amount		
	USD10	C001	Composite Unit of Measure	X	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
			<i>For examples of composite data elements, see Figures Appendix in X12 Standards.</i>		
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		
			<i>See USD05 for code list.</i>		
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
	USD11	740	Range Minimum	X	R 1/20
			The value specifying the minimum of the measurement range		
			<i>If USD11 is present and USD12 is not present, then the range is open-ended.</i>		
	USD12	741	Range Maximum	X	R 1/20
			The value specifying the maximum of the measurement range		
			<i>If USD12 is present and USD11 is not present, the minimum is zero.</i>		

Segment: **SI Service Characteristic Identification**
Position: 625
Loop: USD Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

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

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	SI01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
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	
	SI04	1000	Service Characteristics Qualifier	X AN 2/2
			Code from an industry code list qualifying the type of service characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
SI21	234	Product/Service ID	X	AN 1/48
		Identifying number for a product or service		

Segment:	ITA Allowance, Charge or Service
Position:	630
Loop:	USD Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA08 is present, then ITA09 is required. 2 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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<i>When submitting the 811 to any federal agency, use of the ITA segment is optional when HL03 is "9".</i>

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See OBF Section 10.4 for a list of valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	
		ZZ Mutually Defined	
	ITA05	341 Allowance or Charge Number	O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
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 is calculated		
		9	Late Payment Charge Base Amount	
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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			<i>See OBF Section 10.4 for a list of valid values.</i>		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the 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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Qualifier</u>	
M	TRF01	673	M ID 2/2
		Quantity	
		Code specifying the type of quantity	
		<i>Code specifying the rating basis (e.g., acknowledged calls, minimum period, etc.) for the segment.</i>	
		01 Discrete Quantity	
		02 Cumulative Quantity	
		27 Committed Quantity	
		38 Original Quantity	
		47 Primary Net Quantity	
		90 Acknowledged Quantity	
		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 Appendix for examples of use)	
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	
			<i>Equivalent units per standard unit.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
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	TRF03	380	Quantity	M R 1/15
			Numeric value of quantity	
			<i>Standard unit.</i>	
M	TRF04	C001	Composite Unit of Measure	M
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
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	
			<i>Equivalent units per standard unit.</i>	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
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	TRF05	380	Quantity	M R 1/15

Numeric value of quantity

Standard unit.

Segment: **QTY** Quantity
Position: 650
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:
Notes: *When submitting the 811 to any federal agency, use of the QTY loop is optional when HL03 is "9".*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Quantity Qualifier</u>	
M	QTY01	673	M ID 2/2
		Code specifying the type of quantity	
		01 Discrete Quantity	
		02 Cumulative Quantity	
		27 Committed Quantity	
		38 Original Quantity	
		47 Primary Net Quantity	
		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 quantity		
	QTY03	C001	Composite Unit of Measure		O
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
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		
			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	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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
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 Message	X AN 1/30

Segment: **SI Service Characteristic Identification**
Position: 660
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:

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

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.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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 characteristics	
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 characteristics	
	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 characteristics	
	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 characteristics	
	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 characteristics	
	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 service characteristics		
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		
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 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 service characteristics		
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: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Semantic Notes:

- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
- 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
- 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
- 4 TDS04 indicates the total amount of terms discount.

Comments:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Amount Monetary amount	M N2 1/15
<i>The TDS segment (TDS01) contains the segment billed amount derived from the detail for the invoice. It does not contain any billed amounts found in the summary level.</i>				
Not Used	TDS02	610	Amount	O N2 1/15
Not Used	TDS03	610	Amount	O 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: 1
Purpose: To specify allowances, charges, or services
Syntax Notes: 1 If ITA08 is present, then ITA09 is required.
 2 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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	ITA01 248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge N No Allowance or Charge	M ID 1/1
	ITA02 559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry	X ID 2/2
	ITA03 560	Special Services Code Code identifying the special service <i>See OBF Section 10.4 for a list of valid values.</i>	X ID 2/10
M	ITA04 331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge 03 Vendor Check to Customer 04 Credit Customer Account 06 Charge to be Paid by Customer ZZ Mutually Defined	M ID 2/2
	ITA05 341	Allowance or Charge Number The number assigned by a vendor referencing an allowance, promotion, deal or charge	O AN 1/16
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 is calculated		
		9		Late Payment Charge Base Amount
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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			<i>See OBF Section 10.4 for a list of valid values.</i>		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the 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: 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:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 007 Effective 009 Process 050 Received	M ID 3/3
	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8
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: **REF** **Reference Identification**
Position: 035
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 5
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification ACB Region	M ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification ACB Region	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	C04005	128	Reference Identification Qualifier	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:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	BAL01	951	Balance Type Code Code indicating the type of balance A Adjustment M Current Month P Previous Month	M ID 1/2
M	BAL02	522	Amount Qualifier Code Code to qualify amount 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 ID 1/3
M	BAL03	782	Monetary Amount Monetary amount	M R 1/18

Segment: **DTM** **Date/Time Reference**
Position: 050
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			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 Date expressed as CCYYMMDD	X DT 8/8
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: **N1** Name
Position: 060
Loop: N1 Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		87 Pay-to Provider	
		AAA Sub-account	
		BY Buying Party (Purchaser)	
		L1 Inspection Location	
		PE Payee	
		PO Party to Receive Invoice for Goods or Services	
		PR Payer	
		SF Ship From	
		SJ Service Provider	
		ST Ship To	
		SV Service Performance Site	
		Z7 Mark-for Party	
		<i>May be used when submitting a Fast Pay Invoice, per FAR 52.213-1.</i>	
	N102	Name	X AN 1/60
		Free-form name	
	N103	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		41 Telecommunications Carrier Identification Code	
		42 Telecommunications Pseudo Carrier Identification Code	
		91 Assigned by Seller or Seller's Agent	
	N104	Identification Code	X AN 2/80
		Code identifying a party or other code	
		<i>If N103 = '41' - use CIC code list maintained by Lockheed Martin. If N103 = '42' - use Pseudo-CIC list provided in OBF Section 10.4.</i>	
Not Used	N105	Entity Relationship Code	O ID 2/2
Not Used	N106	Entity Identifier Code	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:

Data Element Summary

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

Segment: **DTM** **Date/Time Reference**
Position: 080
Loop: BAL Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			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 Date expressed as CCYYMMDD	X DT 8/8
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: **ITA** Allowance, Charge or Service
Position: 090
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes:

- 1 If ITA08 is present, then ITA09 is required.
- 2 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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA02	559 Agency Qualifier Code	X ID 2/2
		Code identifying the agency assigning the code values	
		TI Telecommunications Industry	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		<i>See OBF Section 10.4 for a list of valid values.</i>	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		04 Credit Customer Account	
		06 Charge to be Paid by Customer	
		ZZ Mutually Defined	
	ITA05	341 Allowance or Charge Number	O AN 1/16
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
	ITA06	359 Allowance or Charge Rate	O R 1/15
		Allowance or Charge Rate per Unit	
	ITA07	360 Allowance or Charge Total Amount	O N2 1/15

			Total dollar amount for the allowance or charge	
Not Used	ITA08	378	Allowance/Charge Percent Qualifier	O ID 1/1
	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 expressed, or manner in which a measurement 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 - Average
UC	Telecommunications Ports
UD	Tenth Minutes
UE	Tenth Hours
UF	Usage per Telecommunications Line - Average
UN	Unit
ZZ	Mutually Defined

Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
	ITA14	150	Special Charge or Allowance Code	X	ID 3/3
			Code identifying type of special charge or allowance		
			<i>See OBF Section 10.4 for a list of valid values.</i>		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the relationship between entities		
			O	Information Only	
Not Used	ITA17	355	Unit or Basis for Measurement Code	O	ID 2/2

Segment: **DTM** **Date/Time Reference**
Position: 100
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Syntax Notes: 1 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			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 Date expressed as CCYYMMDD	X DT 8/8
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:	SI Service Characteristic Identification
Position:	103
Loop:	ITA Optional
Level:	Summary
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	<ol style="list-style-type: none"> 1 If either SI04 or SI05 is present, then the other is required. 2 If either SI06 or SI07 is present, then the other is required. 3 If either SI08 or SI09 is present, then the other is required. 4 If either SI10 or SI11 is present, then the other is required. 5 If either SI12 or SI13 is present, then the other is required. 6 If either SI14 or SI15 is present, then the other is required. 7 If either SI16 or SI17 is present, then the other is required. 8 If either SI18 or SI19 is present, then the other is required. 9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristics qualifiers.

Data Element Summary

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification 12 Billing Account 1J Facility ID Number 4L Location-specific Services Reference Number 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 VO Version YN Receiver ID Qualifier ZH Carrier Assigned Reference Number	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification ACB Region	M ID 2/3
M	C04002	127	Reference Identification	M AN 1/30

			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			ACB Region		
	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	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: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **REF** **Reference Identification**
Position: 108
Loop: LX Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
 2 If either C04003 or C04004 is present, then the other is required.
 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
M	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification ACB Region	M ID 2/3
M	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification ACB Region	X ID 2/3
	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
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: 109
Loop: AMT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code Code to qualify amount 1E Fixed Price LM Limit NR Nonrecurring RJ Rate Amount ZT Prorated Amount	M ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M R 1/18
Not Used	AMT03	478	Credit/Debit Flag Code	O ID 1/1

Segment: **DTM** **Date/Time Reference**
Position: 110
Loop: AMT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			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 Date expressed as CCYYMMDD	X DT 8/8
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: **ITA** Allowance, Charge or Service
Position: 111
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify allowances, charges, or services
Syntax Notes: 1 If ITA08 is present, then ITA09 is required.
 2 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.

Data Element Summary

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

	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		
			AI Average Minutes Per Call		
			AN Minutes or Messages		
Not Used	ITA12	380	Quantity	X	R 1/15
	ITA13	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their 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 acceptable code values.		
Not Used	ITA15	822	Source Subqualifier	O	AN 1/15
	ITA16	662	Relationship Code	O	ID 1/1
			Code indicating the relationship between entities		
			O Information Only		
Not Used	ITA17	355	Unit or Basis for Measurement Code	O	ID 2/2

Segment: **DTM** **Date/Time Reference**
Position: 112
Loop: ITA Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes: 1 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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			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 Date expressed as CCYYMMDD	X DT 8/8
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: **CTT Transaction Totals**
Position: 115
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
 2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: *The number of line items (CTT01) is the accumulation of the number of IT1 segments.*

Data Element Summary

Ref.	Data Element	Name	Attributes
M	CTT01	354 Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
		<i>Number of IT1 segments in this transaction set.</i>	
	CTT02	347 Hash Total	O R 1/10
		Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	
		Example:	
		- .0018 First occurrence of value being hashed.	
		.18 Second occurrence of value being hashed.	
		1.8 Third occurrence of value being hashed.	
		18.01 Fourth occurrence of value being hashed.	

		1855 Hash total prior to truncation.	
		855 Hash total after truncation to three-digit field.	
		<i>If used, the specified field for the Telecommunications Industry is IT104.</i>	
Not Used	CTT03	81 Weight	X R 1/10
Not Used	CTT04	355 Unit or Basis for Measurement Code	X ID 2/2
Not Used	CTT05	183 Volume	X R 1/8
Not Used	CTT06	355 Unit or Basis for Measurement Code	X ID 2/2
Not Used	CTT07	352 Description	O AN 1/80

Segment: **SE** Transaction Set Trailer
Position: 120
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

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