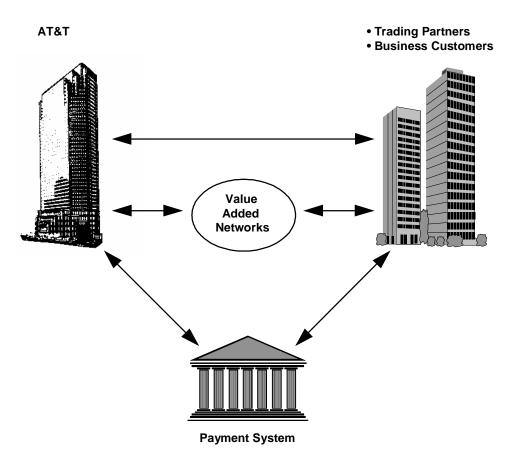


Electronic Commerce Customer Guide

811 Transaction Set (Version/Release 004010)

Electronic Data Interchange - Electronic Funds Transfer



Building Electronic Partnerships For The Future...Today Release: February 2010

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1 Overview

The 811 presentation within this guide is derived from the Telecommunications Industry presentation of the 811 transaction set. The Ordering and Billing Forum (OBF) EDI Telecommunications Billing (ETB) Guidelines can be viewed at the following website http://www.atis.org/obf/etbguid_lss9_Rev3.asp

View the Issue 9 documents. Section 7 is a Business Models overview which provides information related to the 811 transaction set structure, use of hierarchical loops and segments, along with summing rules for balancing the transaction set. Section 10.4 is the data element code list used by ETB. Section 10.7 is the industry presentation of the 811 transaction set.

1.1 Establish Trading Partner

Receipt of the Trading Partner Profile initiates the establishment of the trading partner relationship. Connectivity must be verified with the receiving company. The trading information (ISA/GS identifiers) and delivery options are defined within the AT&T process. The customer's accounts are identified for EDI processing and established on EDI. The timeframe for completion of these activities is 30 to 90 days from receipt of the Trading Partner Profile.

1.2 Letter of Agency (LOA)

AT&T requires a letter of agency from any customer that is requesting delivery of their EDI bills to a vendor rather than a customer location. The EDI bills will be sent to the vendor once the trading partner relationship has been established.

If a customer changes vendors, EDI bills will be sent to the new vendor once AT&T establishes the trading partner relationship with that vendor. As mentioned in sub-section 1.1 above, this is a 30 to 90 day process. If an EDI cancellation request is not submitted by the previous vendor, EDI bills will continue to be sent to the previous vendor up until the time the trading partner relationship is established with the new vendor. The new vendor will not be able to receive any customer EDI bills processed prior to AT&T establishing the trading partner relationship with the new vendor.



1.3 Notification of Changes

Telecommunications bills are dynamic documents. AT&T provides a 30 day notification to the customer regarding EDI Billing revisions and this guide is updated to reflect those revisions. The revisions may or may not require customer software changes.

AT&T may not implement a new 811 version/release every time the ASC X12 committee issues a new version or release of the 811 transaction set. When AT&T changes to a new ASC X12 version/ release of the 811 transaction set, the previous version/release is discontinued after an interval in which customers are asked to migrate to the new version/release.

1.4 Data Element Separator and Segment Terminator

In live production data, AT&T will work with the customer to set up the data element separator, segment terminator and sub-element separator. The X12 recommended data element separator of the tilde ("~" HEX A1), segment terminator of the exclamation point ("!" HEX 5A) and sub-element separator of the double vertical bar (" !" HEX 6A) are preferred.



2 Summary and Detail 811's

Several different bill formats and several different 811 formats are provided. It is important to be aware of which *bill format* and *811 format* you have chosen to receive.

2.1 Bill Formats Provided

Accounts can be set up in one of three arrangements described below.

- Single Account Billing This billing arrangement produces one bill per telephone number.
- Group Billing Account

This billing arrangement combines several single accounts under one main account number and produces one large bill.

• Consolidated Billing Account (CBA)

This billing arrangement can be used in conjunction with both Single Accounts and Group Billing Accounts. Single Accounts and/or Group Billing Accounts are consolidated under a single CBA number. This produces a special summary 811 of all accounts in the arrangement, followed by a separate 811 for each subordinate account. More information regarding this bill format can be found in Section 3 of this guide.

2.2 811 Formats Provided

The 811 is provided in one of the following formats:

- Summary 811
 Accounts Payable 811
 Carrier Summary 811
 Consolidated Billing Account (CBA) Summary 811
- Detail 811
 Without Customer Service Record
 With Customer Service Record

While the heading and summary areas of these formats are identical, the detail areas differ in the level of detail provided.

2.2.1 Summary 811s

The *Summary 811* formats provide high level account information. The advantages of these formats are a less complex programming effort and lower VAN charges. Summary information is provided within HLs 1 - 4.



The Accounts Payable 811 provides a summary of taxes by tax type and a single charge amount for all other current charges (including surcharges). Charges and taxes are <u>not</u> broken out by carrier. This is the smallest and simplest 811 provided.

The Carrier Summary 811 provides a break out of charges (including surcharges) by carrier. It also provides a break out of taxes by tax type within each carrier. The billing information provided is very similar to the carrier summary pages of a paper bill. While this option does not provide as much information as a Detail 811, it provides more information than the Accounts Payable 811.

The Consolidated Billing Account (CBA) Summary 811 provides the bill for the Master consolidated account, but does not provide the 'memo' bills for each of the subordinate accounts.

2.2.2 Detail 811s

The *Detail 811* formats provide supporting information for many charges. The key advantage of these full detail formats is more billing information to analyze. While summary information is provided within HLs 1 - 4, full detail information is provided at HLs 5 - 9.

The Detail 811 without Customer Service Record provides the same level of billing detail that is currently provided on a paper bill.

The Detail 811 with Customer Service Record provides additional detail in support of monthly service charges. It is estimated that the additional Customer Service Record adds approximately 40% to the size of each 811. When the Customer Service Record information is included in the 811, the 864 transaction set will accompany the 811 transaction set.



3 Consolidated Billing Account (CBA)

The Consolidated Master 811 which is the special summary 811 of all accounts in the Consolidated Billing Account (CBA) arrangement referenced in Section 2.1 of this guide is very similar to single account 811. The exceptions in the Heading and Summary areas of the 811 are noted below:

3.1 Heading Area

- The Consolidated Billing Account (CBA) number (from the consolidated master 811) may be used for payment. Subordinate account information is provided in a Subordinate 811 (this is also referred to as a "Memo 811").
- For a Consolidated Master 811, BIG07 may have the value of "CD" (Consolidated Debit Invoice), "CE" (Consolidated Credit Invoice), "FD" (Consolidated Invoice, Final Bill), "CF" (Consolidated Debit Memo), "CG" (Consolidated Credit Memo) or "FE" (Memorandum, Final Bill).
- For a Subordinate 811, BIG07 may have the value of "DR" (Debit Memo), "CR" (Credit Memo), "FE" (Memorandum, Final Bill) or "ME" (Memorandum (indicates a zero balance)).
- The ITD segment (to convey terms of sale and the due date) will be produced as normal for the Consolidated Master 811 Invoice. It is not provided for the Consolidated Master 811 Memo or the Subordinate 811.
- TXI segments depicting the tax exempt status of an account will not be provided in the Heading Area of the Consolidated Master 811 Invoice or Memo. These segments are provided in the Heading Area of each Subordinate 811 if needed.
- There will be REF segments in the Heading Area of the Consolidated Master 811 with REF01 = "12" (Billing Account) and REF01 = "AP" (Accounts Receivable Number). This is consistent with all other 811 formats provided by AT&T.
- A Consolidated Billing Account Summary is provided at HL4 where IT107 = 2050 (Total Amount Billed (for Summary/Consolidated Billing Only)) of the Consolidated Master 811. The Subordinate Account number will appear as a SI pair within this HL4.
- If there is detailed billing information associated with the Consolidated Master 811 itself (other charges and credits or miscellaneous charges), this information will be provided at HL4 using the usual IT107 values.
- For each Subordinate 811, there will be a REF segment in the Heading Area with REF01 = "14" (Master Account Number) to indicate the Consolidated Billing Account (CBA) number. The REF segments with REF01 = "12" (Billing Account) and REF01 = '14' (Accounts Receivable Number) are not provided for the Subordinate 811.



3.2 Summary Area

- The BAL segment with BAL02 = "TT" (Total Transaction Amount) is produced as normal for the Consolidated Master 811 Invoice. It is not provided for the Consolidated Master 811 Memo or the Subordinate 811.
- The N1 loop containing the N1 segment with N101 = "87" (Pay-to Provider) and BAL segment with BAL02 = "MD" (Minimum Due) is produced as normal for the Consolidated Master 811 Invoice. It is not provided for the Consolidated Master 811 Memo or the Subordinate 811.



4 Technical Specifications

Detail Area hierarchy structure starting with HL4

Monthly Service/Customer Service Record	Other Charges and Credits/ Additions and Changes	Itemized Calls/Optional Calling Plans				
HL4	HL4	HL4				
IT1 (SV 0200, ZZ 1)	IT1 (SV 0400, ZZ 2)	IT1 (SV 0500, ZZ 3)				
DTM		ITA				
HL8 (4) HL5 (4)	HL5 (4)	HL5 (4)				
SLN LX	LX	LX				
SI SI	REF	SI				
PID HL8 (5)	DTM	QTY				
SLN	HL6 (5)	SI				
SI	LX	HL9 (5) HL6 (5) HL8 (5) HL8(5)				
PID	SI	TCD NM1 SLN SLN				
REF	HL8 (6)	SI PER SI SI				
DTM	SLN	TXI HL9 (5 or 6) PID PID				
QTY	SI	QTY TCD QTY QTY				
NM1	PID	USD SI HL9(8)				
	INC	SI TXI USD				
	REF	QTY				
	DTM					
	AMT					
	QTY					



Itemized Charges/Credits	Usage	Measured Service
HL4	HL4	HL4
IT1(SV 0520, ZZ 2)	IT1 (SV 0700, ZZ 3)	IT1 (SV 0705, ZZ 3)
		ITA
HL5 (4)	HL5 (4) HL8 (4) HL8(4) HL5(4)	HL5 (4)
LX	LX SLN SLN LX	LX
SI	SI SI SI QTY	SI
REF	HL8 (5) PID PID SI	HL8 (5) HL8 (5) HL9 (5)
HL8 (5) HL6 (5)	SLN HL9 (8) ITA	SLN SLN TCD
SLN NM1	SI USD	SI PID SI
SI PER		HL9 (8)
PID HL8 (6)		USD
ITA SLN		SI
TXI SI		HL9 (5)
REF PID		USD
DTM ITA		SI
AMT TXI		QTY
QTY REF		
NM1 DTM		
N3 AMT		
N4 QTY		
NM1		
N3		
N4		



Directory Assistance	WATS		Non-Voice Service
HL4	HL4		HL4
IT1 (SV 0900, ZZ 3)	IT1 (SV 1000, ZZ 3)		IT1 (SV 1600, ZZ 2)
HL5 (4)	HL5 (4)	HL5 (4)	HL8 (4)
LX	LX	LX	SLN
SI	SI	SI	SI
HL8 (5)	HL8 (5) HL8 (5)	QTY	PID
SLN	SLN SLN	SI	
SI	SI SI		
DTM	HL9 (8) ITA		
QTY	USD		
	SI		
	TRF		
	QTY		

Customized Billing Service	800 Common Line	Miscellaneous
HL4	HL4	HL4
IT1 (SV 1710, ZZ 2)	IT1 (SV 1880, ZZ 3)	IT1 (SV 1740, ZZ 2)
HL8 (4)	HL5 (4)	HL8 (4)
SLN	LX	SLN
SI	SI	SI
PID	HL8 (5) HL6 (5) HL8 (5)	PID
QTY	SLN LX SLN	DTM
	SI SI SI	
	DTM QTY ITA	
	QTY SI	
	HL9 (8) HL9 (6)	
	USD TCD	
	SI	



Contracts/Discounts	Consolidated Billing Account
HL4	HL4
IT1 (SV 2110, ZZ 2)	For each subordinate:
	IT1 (SV 2050, ZZ 4)
HL8 (4)	SI
SLN	REF
SI	
PID	Note: If charges are applicable
DTM	to the CBA, the structure will
	follow one of the paths beginning
	with IT1 that are already presented.



811 Consolidated Service Invoice/Statement

Functional Group ID=C

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:

Only the segments and data elements that are provided by our implementation of this transaction set are printed. While we do provide all X12 syntax notes and semantic notes associated with segments we generate in this documentation, notes about unused data elements do not impact our implementation. Please ignore any notes or comments related to data elements that are not provided.

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and Comments
М	010	ST	Transaction Set Header	<u>Des.</u> M	<u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	Nepear	<u>comments</u>
М	020	BIG	Beginning Segment for Invoice	М	1		
Not Used	030	NTE	Note/Special Instruction	0	100		
Not Used	040	CUR	Currency	0	1		
	050	REF	Reference Identification	0	>1		
Not Used	060	PER	Administrative Communications Contact	0	3		
	070	ITD	Terms of Sale/Deferred Terms of Sale	0	5		
	080	DTM	Date/Time Reference	0	10		
	090	TXI	Tax Information	0	>1		
			LOOP ID - N1			>1	
	100	N1	Name	0	1		
	110	N2	Additional Name Information	0	2		
	120	N3	Address Information	0	2		
	130	N4	Geographic Location	0	1		
	140	REF	Reference Identification	0	12		
Not Used	150	PER	Administrative Communications Contact	0	3		
Not Used	155	DMG	Demographic Information	0	1		
			LOOP ID - FA1			>1	
Not Used	170	FA1	Type of Financial Accounting Data	0	1		
Not Used	180	FA2	Accounting Data	М	>1		

Heading:



Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	<u>Max.Use</u>	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - HL			>1	
М	010	HL	Hierarchical Level	М	1		n1
			LOOP ID - LX	0		>1	
Neclessi	020	LX	Assigned Number	0	1		
Not Used	025	VEH	Vehicle Information	0	1		
N 1 1 1	030	SI	Service Characteristic Identification	0	8		
Not Used	040	PID	Product/Item Description	0	200		
Not Used	045	MEA	Measurements	0	20		
	050	REF	Reference Identification	0	>1		
	060	AMT	Monetary Amount	0	5		
N1-7111	070	DTM	Date/Time Reference	0	8		
Not Used	080	ТХІ	Tax Information	0	>1	10	
		OTV	LOOP ID - QTY	0		10	
	090	QTY	Quantity	0	1		
	100	SI	Service Characteristic Identification	0	1		
			LOOP ID - NM1			1	
	110	NM1	Individual or Organizational Name	0	1		n2
Not Used	120	N2	Additional Name Information	0	2		
Not Used	130	N3	Address Information	0	2		
Not Used	140	N4	Geographic Location	0	1		
	150	REF	Reference Identification	0	2		
	160	PER	Administrative Communications Contact	0	>1		
	170	TXI	Tax Information	0	>1		
Not Used	175	DMG	Demographic Information	0	1		
			LOOP ID - ITA			>1	
	180	ITA	Allowance, Charge or Service	0	1		
Not Used	190	DTM	Date/Time Reference	0	1		
Not Used	200	ТХІ	Tax Information	0	>1		
			LOOP ID - IT1			999999	
	210	IT1	Baseline Item Data (Invoice)	0	1		n3
	220	SI	Service Characteristic Identification	0	2		
Not Used	230	PID	Product/Item Description	0	200		
Not Used	235	MEA	Measurements	0	20		
Not Used	240	INC	Installment Information	0	1		
Not Used	250	ТХІ	Tax Information	0	>1		
	260	REF	Reference Identification	0	8		
	270	DTM	Date/Time Reference	0	10		
Not Used	280	MSG	Message Text	0	>1		
Not Used	285	AMT	Monetary Amount	0	1		
			LOOP ID - QTY			>1	
Not Used	290	QTY	Quantity	0	1		
Not Used	300	SI	Service Characteristic Identification	0	1		
			LOOP ID - ITA			10	
	310	ITA	Allowance, Charge or Service	0	1		
Not Used	320	DTM	Date/Time Reference	0	1		
Not Used	330	TXI	Tax Information	0	>1		
				-			



			LOOP ID - NM1			>1	
Not Used	340	NM1	Individual or Organizational Name	0	1		
Not Used	350	N2	Additional Name Information	0	2		
Not Used	360	N3	Address Information	0	2		
Not Used	370	N4	Geographic Location	0	1		
Not Used	380	PER	Administrative Communications Contact	0	3		
Not Used	385	NX2	Location ID Component	0	>1		n4
Not Used	387	DMG	Demographic Information	0	1		
			LOOP ID - SLN			>1	
	390	SLN	Subline Item Detail	0	1	~1	n5
	400	SI	Service Characteristic Identification	0	2		
	410	PID	Product/Item Description	õ	200		
Not Used	415	MEA	Measurements	õ	200		
Not Used	420	CUR	Currency	õ	1		
Not 0300	430	INC	Installment Information	0	1		
	440	ITA	Allowance, Charge or Service	0	10		
	450	TXI	Tax Information	0	>1		
	460	REF	Reference Identification	0	>1		
Not Used	400	PER	Administrative Communications Contact	0	3		
NOL USED	470	DTM	Date/Time Reference	0	10		
	480 490	AMT	Monetary Amount	0	15		
Not Used	490 500	MSG	-	0	>1		
NOL USED	500	NISG	Message Text LOOP ID - QTY	0	>1	>1	
	510	ΟΤΥ		0	1	>1	
Notilood	510	QTY SI	Quantity	0	1 1		
Not Used	520	51	Service Characteristic Identification	0			
			LOOP ID - NM1			>1	
	530	NM1	Individual or Organizational Name	0	1		
Not Used	540	N2	Additional Name Information	0	2		
	550	N3	Address Information	0	2		
	560	N4	Geographic Location	0	1		
Not Used	570	REF	Reference Identification	0	8		
Not Used	580	PER	Administrative Communications Contact	0	3		
Not Used	585	DMG	Demographic Information	0	1		
			LOOP ID - TCD			>1	
	590	TCD	Itemized Call Detail	0	1		n6
	600	SI	Service Characteristic Identification	0	2		
	610	TXI	Tax Information	0	>1		
Not Used	615	ITA	Allowance, Charge or Service	0	>1		
			LOOP ID - QTY			>1	
	617	QTY	Quantity	0	1		
Not Used	618	SI	Service Characteristic Identification	0	1		
			LOOP ID - USD			>1	
	620	USD	Usage Sensitive Detail	0	1		n7
	625	SI	Service Characteristic Identification	0	2		
	630	ITA	Allowance, Charge or Service	0	2		
	640	TRF	Rating Factors	0	18		
			LOOP ID - QTY			>1	
	650	QTY	Quantity	0	1		
Not Used	660	SI	Service Characteristic Identification	0	1		



			LOOP ID - III			>1	
Not Used	670	111	Information	0	1		
Not Used	680	DTP	Date or Time or Period	0	5		
Not Used	690	AMT	Monetary Amount	0	5		
Not Used	700	PCT	Percent Amounts	0	5		
			LOOP ID - LQ			>1	
Not Used	710	LQ	Industry Code	0	1		
Not Used	720	AMT	Monetary Amount	0	5		
Not Used	730	PCT	Percent Amounts	0	5		
			LOOP ID - FA1			>1	
Not Used	740	FA1	Type of Financial Accounting Data	0	1		
Not Used	750	FA2	Accounting Data	М	>1		



Summary:

М	Pos. <u>No.</u> 010	Seg. ID TDS	<u>Name</u> Total Monetary Value Summary	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - ITA			>1	
	020	ITA	Allowance, Charge or Service	0	1		
	030	DTM	Date/Time Reference	0	1		
	035	REF	Reference Identification	0	5		
			LOOP ID - BAL			>1	
	040	BAL	Balance Detail	0	1		
Not Used	050	DTM	Date/Time Reference	0	1		
			LOOP ID - N1			>1	
	060	N1	Name	0	1		
			LOOP ID - BAL			>1	
	070	BAL	Balance Detail	0	1		
Not Used	080	DTM	Date/Time Reference	0	1		
			LOOP ID - ITA			>1	
	090	ITA	Allowance, Charge or Service	0	1		
	100	DTM	Date/Time Reference	0	2		
Not Used	102	AMT	Monetary Amount	0	1		
Not Used	103	SI	Service Characteristic Identification	0	2		
	105	REF	Reference Identification	0	5		
Not Used	106	CUR	Currency	0	1		
			LOOP ID - LX			>1	
Not Used	107	LX	Assigned Number	0	1		
Not Used	108	REF	Reference Identification	0	1		
			LOOP ID - AMT		_	>1	
Not Used	109	AMT	Monetary Amount	0	1		
Not Used	110	DTM	Date/Time Reference	0	1		
			LOOP ID - ITA			>1	
Not Used	111	ITA	Allowance, Charge or Service	0	1		
Not Used	112	DTM	Date/Time Reference	0	1		
	115	CTT	Transaction Totals	0	1		n8
М	120	SE	Transaction Set Trailer	М	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.
- 2. When used for telecommunications billing, the service/billing provider level is defined by the NM1 loop.
- **3.** The group level is defined by at least one occurrence of the IT1 loop which may only appear at the group level.
- 4. The NX2 segment is used to convey parsed address information.



- 5. The SLN loop may only appear at the charge detail level.
- 6. The TCD loop may only appear at the line detail level.
- 7. The USD loop may only appear at the line detail level.
- 8. The number of line items (CTT01) is the accumulation of the number of IT1 segments.



Μ

Μ

Segment: Position:		ransaction Set Header		
	010			
Loop: Level:	Heading			
Usage:	Mandato			
Max Use:	1	, y		
Purpose: Syntax Notes:	•	ate the start of a transaction set and to assign a control r	umb	er
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		
Ref.	Data		• • •	
Des.	Element			ibutes
I ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	М	ID 3/3
		811 Consolidated Service Invoice/Stater	nent	
I ST02	329	Transaction Set Control Number	М	AN 4/9

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set



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.				
Commontes	4 DICOT is used apply to further define the type of invesion when readed				

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

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	<u>Attr</u>	<u>ributes</u>
М	BIG01	373	Date	Μ	DT 8/8
М	BIG02	76	Date expressed as CCYYMMDD Invoice Number	м	AN 1/22
141	DIGUZ	70	Identifying number assigned by issuer	IVI	AN 1/22
			The invoice number will contain the Account Number for Date. For Consolidated Billing Arrangements, "C" will b the account number and bill date format.		
Not Used	BIG03	373	Date	0	DT 8/8
			Date expressed as CCYYMMDD		
Not Used	BIG04	324	Purchase Order Number	0	AN 1/22
			Identifying number for Purchase Order assigned by the		
Not	BIG05	328	orderer/purchaser Release Number	0	AN 1/30
Used	2.000	020		•	/
			Number identifying a release against a Purchase Order	pre	viously
Not	BIG06	327	placed by the parties involved in the transaction Change Order Sequence Number	0	AN 1/8
Used					
			Number assigned by the orderer identifying a specific c revision to a previously transmitted transaction set	hang	ge or
	BIG07	640	Transaction Type Code	0	ID 2/2
			Code specifying the type of transaction		
			CD Consolidated Debit Invoice CE Consolidated Credit Invoice		
			CF Consolidated Debit Memo		
			CG Consolidated Credit Memo		
			CN Credit Invoice CR Credit Memo		
			DI Debit Invoice		
			DR Debit Memo		
			FB Final Bill		



			FD FE ME	Consolidated Invoice, Final Bill Memorandum, Final Bill Memorandum		
Not Used	BIG08	353	Transaction Set	Purpose Code	0	ID 2/2
			Code identifying	ourpose of transaction set		
Not Used	BIG09	306	Action Code		0	ID 1/2
			Code indicating ty	vpe of action		
Not Used	BIG10	76	Invoice Number	,	ο	AN 1/22
			Identifying numbe	er assigned by issuer		



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

Comments:

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	ributes
М	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			Code qualifying the Reference Identification		
			12 Billing Account		
			14 Master Account Number		
			AP Accounts Receivable Number		
			EH Financial Classification Code		
	REF02	127	Reference Identification	Х	AN 1/30
			Reference information as defined for a particular Trans	sactic	on Set or as
			specified by the Reference Identification Qualifier		
Not	REF03	352	Description	Х	AN 1/80
Used					
			A free-form description to clarify the related data eleme	ents a	and their
			content		
Not	REF04	C040	Reference Identifier	0	
Used					
			To identify one or more reference numbers or identification	ation	numbers as
			specified by the Reference Qualifier		
Not	C04001	128	Reference Identification Qualifier	Μ	ID 2/3
Used					
			Code qualifying the Reference Identification		
Not	C04002	127	Reference Identification	М	AN 1/30
Used					e .
			Reference information as defined for a particular Trans	sactic	on Set or as
Net	004000	400	specified by the Reference Identification Qualifier	v	
Not	C04003	128	Reference Identification Qualifier	Х	ID 2/3
Used			Code sublifying the Deference Identification		
Not	C04004	127	Code qualifying the Reference Identification Reference Identification	х	AN 1/30
Used	C04004	127	Reference identification	^	AN 1/30
USeu			Reference information as defined for a particular Trans	Pootic	n Sot or ac
			specified by the Reference Identification Qualifier	actic	Set of as
Not	C04005	128	Reference Identification Qualifier	х	ID 2/3
Used	007000	120		~	
0300			Code qualifying the Reference Identification		
Not	C04006	127	Reference Identification	х	AN 1/30
Used	001000			~	
0000					



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



ç	Segment:	ITD	Terms of Sale/Deferred Terms of Sale					
	Position:	070						
	Loop:	0.0						
	Level:	Heading	Heading					
	Usage:	Optiona						
	Max Use:	5						
	Purpose:	To spec	To specify terms of sale					
Synta	ax Notes:		1 If ITD03 is present, then at least one of ITD04 ITD05 or ITD13 is required.					
			D08 is present, then at least one of ITD04 ITD05 or ITD					
			D09 is present, then at least one of ITD10 or ITD11 is re					
Semant	ic Notes:		15 is the percentage applied to a base amount used to d	etern	nine a late			
•			nent charge.					
Co	omments:		e code in ITD01 is "04", then ITD07 or ITD09 is required					
			10 or ITD11 is required; if the code in ITD01 is "05", ther quired.	טחו	06 01 11 D07			
		1516	quirea.					
			Data Element Summary					
	Ref.	Data	-					
	Des.	<u>Element</u>	<u>Name</u>	<u>Attı</u>	<u>ributes</u>			
	ITD01	336	Terms Type Code	0	ID 2/2			
			Code identifying type of payment terms					
			03 Fixed Date					
	ITDAA	000	18 Fixed Date, Late Payment Penalty /	• •				
	ITD02	333	Terms Basis Date Code	0	ID 1/2			
			Code identifying the beginning of the terms period 3 Invoice Date					
Not	ITD03	338	Terms Discount Percent	0	R 1/6			
Used	11005	550		U	K 1/0			
0004			Terms discount percentage, expressed as a percent, av	vaila	ble to the			
			purchaser if an invoice is paid on or before the Terms I					
			Date					
Not	ITD04	370	Terms Discount Due Date	Х	DT 8/8			
Used								
			Date payment is due if discount is to be earned express	sed i	n format			
			CCYYMMDD					
Not	ITD05	351	Terms Discount Days Due	Х	N0 1/3			
Used			Number of dove in the terms discount paried burghter		ant in due if			
			Number of days in the terms discount period by which period by which period by which period by terms discount is earned	Jayı				
	ITD06	446	Terms Net Due Date	0	DT 8/8			
	11000	740	Date when total invoice amount becomes due expresse	-				
				20 11	ionnat			

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

CCYYMMDD Terms Net Days

Not

Used

ITD07

386

O N0 1/3



Not Used	ITD08	362	Terms Discount Amount	0	N2 1/10
Not Used	ITD09	388	Total amount of terms discount Terms Deferred Due Date	0	DT 8/8
			Date deferred payment or percent of invoice payable is in format CCYYMMDD	due	expressed
Not Used	ITD10	389	Deferred Amount Due	X	N2 1/10
Not Used	ITD11	342	Deferred amount due for payment Percent of Invoice Payable	x	R 1/5
Not	ITD12	352	Amount of invoice payable expressed in percent Description	о	AN 1/80
Used			A free-form description to clarify the related data eleme	ents	and their
Not Used	ITD13	765	Day of Month	X	N0 1/2
0304			The numeric value of the day of the month between 1 a maximum day of the month being referenced	and t	he
	ITD14	107	Payment Method Code Code identifying type of payment procedures	0	ID 1/2
			AC Credit Card E Electronic Payment System		
Not Used	ITD15	954	Percent	0	R 1/10
0350			Percentage expressed as a decimal		



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

Comments:

			Data Element Summary				
	Ref.	Data					
	Des.	Element	Name	Attr	<u>ibutes</u>		
М	DTM01	374	Date/Time Qualifier	Μ	ID 3/3		
			Code specifying type of date or time, or both date and	time			
			186 Invoice Period Start				
			187 Invoice Period End				
	DTM02	373	Date	Х	DT 8/8		
			Date expressed as CCYYMMDD				
Not	DTM03	337	Time	Х	TM 4/8		
Used							
			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	DTM04	623	Time Code	0	ID 2/2		
Used							
			Code identifying the time. In accordance with Internation Organization standard 8601, time can be specified by indication in hours in relation to Universal Time Coordination since + is a restricted character, + and - are substituted the codes that follow	a + oi inate	r - and an (UTC) time;		
Not	DTM05	1250	Date Time Period Format Qualifier	Х	ID 2/3		
Used							
Not Used	DTM06	1251	Code indicating the date format, time format, or date a Date Time Period	and tir X	ne format AN 1/35		
USCU			Expression of a date, a time, or range of dates, times of times	or dat	es and		



Segment:	TXI Tax Information						
Position: Loop:	090						
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:							

	D -1	Dete	Data Element Summary		
Μ	Ref. <u>Des.</u> TXI01	Data <u>Element</u> 963	NameTax Type CodeCode specifying the type of taxFTFederal Excise TaxLSState and Local Sales TaxMPMunicipal Tax	<u>Attı</u> M	r <u>ibutes</u> ID 2/2
Not Used	TXI02	782	Monetary Amount	Х	R 1/18
Not Used	TX103	954	Monetary amount Percent	х	R 1/10
Not Used	TXI04	955	Percentage expressed as a decimal Tax Jurisdiction Code Qualifier	x	ID 2/2
Not Used	TX105	956	Code identifying the source of the data used in tax juris Tax Jurisdiction Code	sdicti X	on code AN 1/10
	TXI06	441	Code identifying the taxing jurisdiction Tax Exempt Code Code identifying exemption status from sales and use 1 1 Yes (Tax Exempt)	X tax	ID 1/1
Not Used	TX107	662	1 Yes (Tax Exempt) Relationship Code	0	ID 1/1
Not Used	TX108	828	Code indicating the relationship between entities Dollar Basis For Percent Dollar basis to be used in the percent calculation of the	O e allo	R 1/9 wance,
			charge or tax		



Not Used	TXI09	325	Tax Identification Number	0	AN 1/20
Not	TXI10	350	Number assigned to a purchaser (buyer, orderer) by a t jurisdiction (state, county, etc.); often called a tax exem certificate number Assigned Identification		
Used			Alphanumeric characters assigned for differentiation wi transaction set	thin	а



Syntax Notes:1At least one of 22If either N103Semantic Notes: Comments:1This segmen organizationa must provide party.			Optional g tify a party by type of organization, name, and code east one of N102 or N103 is required. ther N103 or N104 is present, then the other is required. s segment, used alone, provides the most efficient methor anizational identification. To obtain this efficiency the "ID st provide a key to the table maintained by the transaction	Cod	le" (N104)
			Data Element Summary		
	Ref.	Data		• · · ·	
	Des.	Element			ributes
М	N101	98	Entity Identifier Code	M	ID 2/3
			Code identifying an organizational entity, a physical loc	atior	n, property
			or an individual		
			PE Payee		
	N/402	02	PR Payer	v	
	N102	93	Name	Х	AN 1/60
	N103	66	Free-form name	v	ID 1/2
	N1U3	66	Identification Code Qualifier	X	
			Code designating the system/method of code structure	used	a for
			Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet		
			1 D-U-N-S Number, Dun & Bradstreet 91 Assigned by Seller or Seller's Agent		
	N104	67	Identification Code	х	AN 2/80
	N104	07	Code identifying a party or other code	^	AN 2/00
Not	N105	706	Entity Relationship Code	0	ID 2/2
Used	11105	700	Entry Relationship Code	U	
USCU			Code describing entity relationship		
Not	N106	98	Entity Identifier Code	0	ID 2/3
Used				5	
5000			Code identifying an organizational entity, a physical loc or an individual	atior	n, property



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:	

	Ref. <u>Des.</u>	Data Element	Name	Attr	ibutes
Μ	N201	93	Name Free-form name	Μ	AN 1/60
Not Used	N202	93	Name	0	AN 1/60
			Free-form name		



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

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	<u>Attributes</u>
Λ	N301	166	Address Information	M AN 1/55
	N302	166	Address information Address Information	O AN 1/55
	11302	100	Address information	

Μ



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.

	Ref.	Data	,		
	Des.	Element	Name	Attr	<u>ibutes</u>
	N401	19	City Name	0	AN 2/30
			Free-form text for city name		
	N402	156	State or Province Code	0	ID 2/2
			Code (Standard State/Province) as defined by appropriagency	ate g	government
	N403	116	Postal Code	0	ID 3/15
			Code defining international postal zone code excluding blanks (zip code for United States)	pund	ctuation and
Not Used	N404	26	Country Code	0	ID 2/3
			Code identifying the country		
Not Used	N405	309	Location Qualifier	Х	ID 1/2
			Code identifying type of location		
Not Used	N406	310	Location Identifier	0	AN 1/30
			Code which identifies a specific location		



Not

Used

C04001

;	Segment:	REF	Reference Identification					
	Position:	140	140					
	Loop:	N1	Optional					
	Level:	Heading	•					
	Usage:	Optiona						
	Max Use:	12						
	Purpose:	To spec	ify identifying information					
	ax Notes:	•	east one of REF02 or REF03 is required.					
			ther C04003 or C04004 is present, then the other is requ	ired.				
			ther C04005 or C04006 is present, then the other is requ					
Semant	ic Notes:		04 contains data relating to the value cited in REF02.					
Co	omments:		6					
			Data Element Summary					
	Ref.	Data						
	Des.	<u>Element</u>			<u>ributes</u>			
М	REF01	128	Reference Identification Qualifier	Μ	ID 2/3			
			Code qualifying the Reference Identification					
			VR Vendor ID Number					
	REF02	127	Reference Identification	X	AN 1/30			
			Reference information as defined for a particular Trans	actio	on Set or as			
			specified by the Reference Identification Qualifier	_				
			CRIS Customer Records Information Syst					
Not	REF03	352	Description	Х	AN 1/80			
Used			A fear from the end for a standard of the address date of the					
			A free-form description to clarify the related data eleme	ents a	and their			
Nat		C040	content	~				
Not Used	REF04	C040	Reference Identifier	0				
05eu								

128	To identify one or more reference numbers or id specified by the Reference Qualifier Reference Identification Qualifier	dentification numbers as M ID 2/3
	Code qualifying the Reference Identification	

Not Used	C04002	127	Reference Identification	М	AN 1/30
			Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	sactio	on Set or as
Not Used	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
Not Used	C04004	127	Reference Identification	Χ	AN 1/30
			Potoronco information as defined for a particular Trans	vootic	n Sat or ac

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	Code qualifying the Reference Identification Reference Identification	x	AN 1/30	
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier			



HL Hierarchical Level Segment: Position: 010 HL Loop: 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. HL03 indicates the context of the series of segments following the current 4 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 itemlevel information. 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment. **Data Element Summary** Ref. Data De<u>s.</u> **Element Name** Attributes M AN 1/12 HL01 **Hierarchical ID Number** 628 A unique number assigned by the sender to identify a particular data segment in a hierarchical structure **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 **HL03** 735 **Hierarchical Level Code** M ID 1/2 Code defining the characteristic of a level in a hierarchical structure Service/Billing Provider 1 4 Group 5 Category Sub-Category 6 Charge Detail 8

Line Detail

9

Μ

Μ



HL04	736	Hierarchical Ch	ild Code	0	ID 1/1	
		Code indicating subordinate to the	ment	8		
		0	No Subordinate HL Segment in Thi	nent in This Hierarchical		
			1	Structure. Additional Subordinate HL Data Se Hierarchical Structure.	gmer	nt in This



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

	Ref.	Data			
	Des.	<u>Element</u>	Name	<u>Att</u>	<u>ributes</u>
Μ	LX01	554	Assigned Number	Μ	N0 1/6
			Number assigned for differentiation within a transaction	۱ 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:	The SI segment actually contains 21 data elements. SI01 provides an Agency
	Qualifier Code and the other 20 data elements are matched pairs. The DE1000/DE234 paired information is presented when the associated data is available. The paired information may not be in the same positional placement as noted within the SI segment.

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>	<u>Attr</u>	<u>ributes</u>
Μ	SI01	559	Agency Qualifier Code	Μ	ID 2/2
			Code identifying the agency assigning the code values TI Telecommunications Industry		
Μ	SI02	1000	Service Characteristics Qualifier	Μ	AN 2/2
			Code from an industry code list qualifying the type of se characteristics	rvic	e
			One or more of the following DE1000 values and it's as	socia	ated DE234
			value may be present within the SI segment.		
			CH Charge/Usage Status Code		
Μ	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			For a list of valid DE234 values associated with the pre-		
			values, see Section 10.4 Maintained Code List used by	ETB	3 within the
			ETB Guideline at the following website:		
			http://www.atis.org/obf/etbguid_lss9_Rev3.asp		



SI04	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of se	X rvic	AN 2/2 e
		characteristics		
		One or more of the following DE1000 values and it's ass	socia	ated DE234
		value may be present within the SI segment. BN Billing Telephone Number		
		BN Billing Telephone Number BT Basic Service Type		
		CC Calling Card Number		
		CN Circuit Number		
		TM To/Terminating Station Telephone N	umł	ber
		TN Telephone Number		
		WN Wide Area Telephone Service		
SI05	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
		This element will contain a locally defined code associat		
		the preceding DE1000 values. Examples of a locally de		
		include a billing telephone number, basic class of servic number, circuit number, WATS telephone number, etc.	e, te	elephone
SI06	1000	Service Characteristics Qualifier	Х	AN 2/2
0100	1000	Code from an industry code list qualifying the type of se		-
		characteristics		•
SI07	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	rvic	e
••••		characteristics		
SI09	234	Product/Service ID	Х	AN 1/48
6140	1000	Identifying number for a product or service Service Characteristics Qualifier	х	AN 2/2
SI10	1000	Code from an industry code list qualifying the type of se	~ ~	
		characteristics	IVIC	e
SI11	234	Product/Service ID	Х	AN 1/48
••••		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	rvic	e
		characteristics		
SI13	234	Product/Service ID	Х	AN 1/48
014.4	4000	Identifying number for a product or service	v	
SI14	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	IVIC	e
SI15	234	Product/Service ID	х	AN 1/48
0110	201	Identifying number for a product or service	Λ	/
SI16	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	rvic	
		characteristics		
SI17	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		



SI18	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	rvice	Э
SI19	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	rvice	9
SI21	234	Product/Service ID Identifying number for a product or service	Х	AN 1/48



Segment:	REF Reference Identification
Position:	050
Loop:	LX Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	 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:	 REF04 contains data relating to the value cited in REF02.
Commontes	

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Attr	ributes
М	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			Code gualifying the Reference Identification		
			11 Account Number		
			OW Service Order Number		
			PO Purchase Order Number		
	BEE0 0	407	VN Vendor Order Number	v	
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Trans	actic	on Set or as
			specified by the Reference Identification Qualifier		
Not	REF03	352	Description	Х	AN 1/80
Used					
			A free-form description to clarify the related data eleme	ents a	and their
			content		
Not	REF04	C040	Reference Identifier	0	
Used					
			To identify one or more reference numbers or identifica	ation	numbers as
			specified by the Reference Qualifier		
Not	C04001	128	Reference Identification Qualifier	М	ID 2/3
Used					
0300			Code qualifying the Reference Identification		
Not	C04002	127	Reference Identification	м	AN 1/30
	C04002	121		IVI	AN 1/30
Used			Defense a information of defined for a particular Trans	: .	
			Reference information as defined for a particular Trans	actic	on Set or as
			specified by the Reference Identification Qualifier		15 6/6
Not	C04003	128	Reference Identification Qualifier	Х	ID 2/3
Used					
			Code qualifying the Reference Identification		
Not	C04004	127	Reference Identification	Х	AN 1/30
Used					
			Reference information as defined for a particular Trans	sactic	on Set or as
			specified by the Reference Identification Qualifier		



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
Not Used	C04006	127	Code qualifying the Reference Identification Reference Identification	x	AN 1/30
			Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	actio	on Set or as



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:	

	Ref.	Data			
	Des.	Element	Name	Att	ributes
Μ	AMT01	522	Amount Qualifier Code	Μ	ID 1/3
			Code to qualify amount		
			SC Total Service Charge (for a Service	Prov	vider)
Μ	AMT02	782	Monetary Amount	Μ	R 1/18
			Monetary amount		
Not Used	AMT03	478	Credit/Debit Flag Code	0	ID 1/1

Code indicating whether amount is a credit or debit



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

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Attr	ributes
М	DTM01	374	Date/Time Qualifier	Μ	ID 3/3
			Code specifying type of date or time, or both date and	time	
			007 Effective		
	DTM02	373	Date	Х	DT 8/8
			Date expressed as CCYYMMDD		
Not	DTM03	337	Time	Х	TM 4/8
Used					
			Time expressed in 24-hour clock time as follows: HHM or HHMMSSD, or HHMMSSDD, where H = hours (00-2 (00-59), S = integer seconds (00-59) and DD = decima decimal seconds are expressed as follows: D = tenths	23), N I sec	<i>I</i> = minutes onds;
			hundredths (00-99)	. ,	
Not	DTM04	623	Time Code	0	ID 2/2
Used					
			Code identifying the time. In accordance with Internation Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordi since + is a restricted character, + and - are substituted the codes that follow	a + o nate	r - and an (UTC) time;
Not Used	DTM05	1250	Date Time Period Format Qualifier	Х	ID 2/3
			Code indicating the date format, time format, or date a	nd tir	ne format
Not Used	DTM06	1251	Date Time Period	Х	AN 1/35
0004			Expression of a date, a time, or range of dates, times of times	or dat	es and



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

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	ributes
М	QTY01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			98 Overflow Quantity		
			99 Quantity Used		
	QTY02	380	Quantity	Х	R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure		
Μ	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being exp	resse	ed, or
			manner in which a measurement has been taken		
			C0 Calls (Messages)		
			HR Hours		
	000400	4040	MJ Minutes	~	
Not	C00102	1018	Exponent	0	R 1/15
Used			Dower to which a unit is raised		
Not	C00103	649	Power to which a unit is raised Multiplier	0	R 1/10
Used	C00103	049	Multiplier	U	K 1/10
USEU			Value to be used as a multiplier to obtain a new value		
Not	C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
Used	000104	555	onit of basis for measurement code	U	
USEU			Code specifying the units in which a value is being exp	resse	ed or
			manner in which a measurement has been taken	10000	50, 01
Not	C00105	1018	Exponent	ο	R 1/15
Used		'	•	-	
			Power to which a unit is raised		
Not	C00106	649	Multiplier	Ο	R 1/10
Used			•		
			Value to be used as a multiplier to obtain a new value		
			•		



Not Used	C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
0304			Code specifying the units in which a value is being expl	ress	ed, or
Not Used	C00108	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not	C00109	649	Power to which a unit is raised Multiplier	ο	R 1/10
Used Not	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or
Not Used	C00111	1018	Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	ο	ID 2/2
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or
Not Used	C00114	1018	Exponent	0	R 1/15
Not Used	C00115	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not	QTY04	61	Value to be used as a multiplier to obtain a new value Free-Form Message	x	AN 1/30
Used			Free-form information		



Segment: Position:	SI Service Characteristic Identification
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1 Te en esife com include an esta risticulata
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:	The SI segment actually contains 21 data elements. SI01 provides an Agency
	Qualifier Code and the other 20 data elements are matched pairs. The DE1000/DE234 paired information is presented when the associated data is available. The paired information may not be in the same positional placement as noted within the SI segment.

			Data Element	ourinnary		
	Ref.	Data				
	Des.	Element	Name		<u>Attr</u>	<u>ibutes</u>
Μ	SI01	559	Agency Qualifier Co	de	Μ	ID 2/2
			Code identifying the a	agency assigning the code values		
			TI Te	lecommunications Industry		
М	SI02	1000	Service Characterist	ics Qualifier	Μ	AN 2/2
			Code from an industry	y code list qualifying the type of se	ervice	e
			characteristics			
			One or more of the fo	llowing DE1000 values and it's as	socia	ated DE234
			value may be present	within the SI segment.		
			DA Di	rectory Assistance Category Code		
			RP Ra	ate Period Code		
			ST Me	essage Service Type		
М	SI03	234	Product/Service ID		Μ	AN 1/48
			Identifying number for	r a product or service		
			For a list of valid DE2	34 values associated with the pre-	cedir	ng DE1000
			values, see Section 1	0.4 Maintained Code List used by	ETB	within the
			ETB Guideline at the	following website:		
			http://www.atis.org/ob	f/etbguid_lss9_Rev3.asp		



SI04	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	е
		characteristics		
		SC Service Category Code		
		TL To/Terminating Location	l	
SI05	234	TM To/Terminating Station Telephone N Product/Service ID	NUME X	
5105	234	Identifying number for a product or service	^	AN 1/40
		This element will contain a locally defined code associa	ted 1	with one of
		the preceding DE1000 values. Examples of a locally d		
		include a USOC, terminating telephone number, termin		
		etc.		,,
SI06	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	е
		characteristics		
SI07	234	Product/Service ID	Х	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 se	ervic	e
SI09	234	characteristics Product/Service ID	х	AN 1/48
3109	234	Identifying number for a product or service	^	AN 1/40
SI10	1000	Service Characteristics Qualifier	х	AN 2/2
0110	1000	Code from an industry code list qualifying the type of se		
		characteristics		•
SI11	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ərvic	e
		characteristics		
SI13	234	Product/Service ID	Х	AN 1/48
C14.4	1000	Identifying number for a product or service Service Characteristics Qualifier	х	AN 2/2
SI14	1000	Code from an industry code list qualifying the type of se		
		characteristics	51 4 10	e
SI15	234	Product/Service ID	х	AN 1/48
••		Identifying number for a product or service	~	//
SI16	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	е
		characteristics		
SI17	234	Product/Service ID	Х	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 se	ervic	e
SI19	224	characteristics Product/Service ID	v	ANI 4/40
2113	234	Identifying number for a product or service	Х	AN 1/48
SI20	1000	Service Characteristics Qualifier	х	AN 2/2
5120	1000	Code from an industry code list qualifying the type of se		-
		characteristics	21 110	~
SI21	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service	-	



Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes: antic Notes: Comments:	110 NM1 Detail Optional 1 To supp 1 If eit 2 If NI 1 NM1	Individual or Organizational Name Optional ly the full name of an individual or organizational entity ther NM108 or NM109 is present, then the other is requi M111 is present, then NM110 is required. IO2 qualifies NM103. I10 and NM111 further define the type of entity in NM10		
			Data Element Summary		
	Ref.	Data	Nama	A 44.	ibutaa
м	<u>Des.</u> NM101	Element 98	<u>Name</u> Entity Identifier Code	<u>Attr</u> M	r <u>ibutes</u> ID 2/3
		50	Code identifying an organizational entity, a physical log		
			or an individual		·, [· · [· · ·]
			9D New Service Provider		
			CA Carrier		
М	NM102	1065	SJ Service Provider Entity Type Qualifier	м	ID 1/1
IVI		1005	Code qualifying the type of entity	IVI	ו/ו שו
			2 Non-Person Entity		
	NM103	1035	Name Last or Organization Name	0	AN 1/35
			Individual last name or organizational name	-	
Not	NM104	1036	Name First	0	AN 1/25
Used			Individual first name		
Not	NM105	1037	Name Middle	0	AN 1/25
Used				•	/
			Individual middle name or initial		
Not	NM106	1038	Name Prefix	0	AN 1/10
Used					
Not	NM107	1039	Prefix to individual name Name Suffix	ο	AN 1/10
Used		1039	Name Sumx	U	AN 1/10
0000			Suffix to individual name		
	NM108	66	Identification Code Qualifier	Х	ID 1/2
			Code designating the system/method of code structure	used	d for
			Identification Code (67)		
			41 Telecommunications Carrier Identif		
			42 Telecommunications Pseudo Carrie Code	in ide	nuncation
			91 Assigned by Seller or Seller's Agen	t	
			- · · · · · · · · · · · · · · · · · · ·		



	NM109	67	Identification Code Code identifying a party or other code	X	AN 2/80
			For a list of valid DE67 Pseudo CIC values associated preceding DE66 value of '42', see Section 10.4 Mainta used by ETB within the ETB Guideline at the following http://www.atis.org/obf/etbguid_Iss9_Rev3.asp	ined	Code List
Not Used	NM110	706	Entity Relationship Code	X	ID 2/2
			Code describing entity relationship		
Not Used	NM111	98	Entity Identifier Code	0	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		



Segment:	REF Reference Identification
Position:	150
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify identifying information
Syntax Notes:	 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.

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Δ++	ributes
м	REF01	128	Reference Identification Qualifier	M	ID 2/3
	NEI OI	120	Code qualifying the Reference Identification		
			CR Customer Reference Number		
			IV Seller's Invoice Number		
	REF02	127	Reference Identification	Х	AN 1/30
			Reference information as defined for a particular Trans	actic	on Set or as
			specified by the Reference Identification Qualifier		
Not	REF03	352	Description	Х	AN 1/80
Used			A fear from the end for a standard of the address date of the		and the sta
			A free-form description to clarify the related data eleme content	ents	and their
Not	REF04	C040	Reference Identifier	0	
Used		0040		U	
0304			To identify one or more reference numbers or identification	ation	numbers as
			specified by the Reference Qualifier		
Not	C04001	128	Reference Identification Qualifier	Μ	ID 2/3
Used					
			Code qualifying the Reference Identification		
Not	C04002	127	Reference Identification	М	AN 1/30
Used					e /
			Reference information as defined for a particular Trans	actio	on Set or as
Not	C04003	128	specified by the Reference Identification Qualifier Reference Identification Qualifier	х	ID 2/3
Used	C04003	120		^	10 2/3
0300			Code qualifying the Reference Identification		
Not	C04004	127	Reference Identification	х	AN 1/30
Used				·	
			Reference information as defined for a particular Trans	actic	on Set or as
			specified by the Reference Identification Qualifier		



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3	
Not Used	C04006	127	Code qualifying the Reference Identification Reference Identification	x	AN 1/30	
			ference information as defined for a particular Transaction Set on ecified by the Reference Identification Qualifier			



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

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Atti	ributes
М	PER01	366	Contact Function Code	Μ	ID 2/2
			Code identifying the major duty or responsibility of the	perso	on or group
			named		
			AR Accounts Receivable Department		
			BI Bill Inquiry Contact		
			IC Information Contact MA Maintenance Contact		
			OD Order Department		
Not	PER02	93	Name	0	AN 1/60
Used				•	/
			Free-form name		
	PER03	365	Communication Number Qualifier	Х	ID 2/2
			Code identifying the type of communication number		
			TE Telephone		
		201	UR Uniform Resource Locator (URL)	v	
	PER04	364	Communication Number	X	AN 1/80
			Complete communications number including country of when applicable	are	acoue
Not	PER05	365	Communication Number Qualifier	х	ID 2/2
Used					
			Code identifying the type of communication number		
Not	PER06	364	Communication Number	Х	AN 1/80
Used					
			Complete communications number including country of	r are	a code
Not	PER07	365	when applicable Communication Number Qualifier	Х	ID 2/2
Used	FLINUT	303		^	
0004			Code identifying the type of communication number		
Not	PER08	364	Communication Number	Х	AN 1/80
Used					
			Complete communications number including country of	r are	a code
			when applicable	_	
Not	PER09	443	Contact Inquiry Reference	0	AN 1/20
Used			Additional reference number or description to clarify a	contr	oct number
			Additional reference number of description to Clarify a (JUILE	



Segment:	TXI Tax Information
Position:	170
Loop:	NM1 Optional
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify tax information
Syntax Notes:	 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 Elem	ent Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Μ	TXI01	963	Tax Type Code		Μ	ID 2/2
			Code specifying t	he type of tax		
			CP	County/Parish Sales Tax		
			CS	City Sales Tax		
			FT	Federal Excise Tax		
			GR	Gross Receipts Tax		
			LO	Local Tax (Not Sales Tax)		
			LS	State and Local Sales Tax		
			LT	Local Sales Tax (All Applicable Sale	es Ta	axes by
				Taxing Authority Below the State Le	evel)	
			OT	Occupational Tax		
			SE	State Excise Tax		
			ST	State Sales Tax		
			SU	Sales and Use Tax	_	
			TD	Telecommunications Device for the	Dea	f (TDD)
				Service Excise Tax		
			TT	Telecommunications Tax		
			ZB	911-County Tax		
	TXI02	782	Monetary Amour		Х	R 1/18
			Monetary amount			
Not Used	TXI03	954	Percent		Х	R 1/10
			Percentage expre	ssed as a decimal		
Not Used	TXI04	955	Tax Jurisdiction	Code Qualifier	X	ID 2/2
			Code identifying t	he source of the data used in tax juris	dicti	on code
Not Used	TXI05	956	Tax Jurisdiction	•	X	AN 1/10
			Code identifying t	he taxing jurisdiction		



Not Used	TXI06	441	Tax Exempt Code	X	ID 1/1
	TX107	662	Code identifying exemption status from sales and use ta Relationship Code Code indicating the relationship between entities A Add	ax O	ID 1/1
Not Used	TXI08	828	Dollar Basis For Percent	0	R 1/9
			Dollar basis to be used in the percent calculation of the charge or tax	allov	wance,
Not Used	TXI09	325	Tax Identification Number	0	AN 1/20
			Number assigned to a purchaser (buyer, orderer) by a ta jurisdiction (state, county, etc.); often called a tax exem certificate number		
	TXI10	350	Assigned Identification Alphanumeric characters assigned for differentiation wit transaction set	O thin a	AN 1/20 a



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

			Data Elem	ent Summary		
	Ref.	Data				
	Des.	Element	Name		Attr	ibutes
Μ	ITA01	248	Allowance or Ch	arge Indicator	Μ	ID 1/1
				ates an allowance or charge for the se	rvice	e specified
			А	Allowance		•
			С	Charge		
	ITA02	559	Agency Qualifier	-	Х	ID 2/2
			Code identifying t	he agency assigning the code values		
			TI	Telecommunications Industry		
	ITA03	560	Special Services	Code	Х	ID 2/10
			Code identifying t	he special service		
			FS	Federal and State		
			LO	Local		
			SL	State and Local		
			ST	State		
			TOL	Toll		
М	ITA04	331	Allowance or Ch	arge Method of Handling Code	Μ	ID 2/2
			Code indicating m	nethod of handling for an allowance or	cha	rge
			04	Credit Customer Account		
			06	Charge to be Paid by Customer		



	ITA05	341	Allowance or Charge Number The number assigned by a vendor referencing an allow	-	AN 1/16
Not Used	ITA06	359	promotion, deal or charge Allowance or Charge Rate	0	R 1/15
	ITA07	360	Allowance or Charge Rate per Unit Allowance or Charge Total Amount	0	N2 1/15
Not Used	ITA08	378	Total dollar amount for the allowance or charge Allowance/Charge Percent Qualifier	0	ID 1/1
			Code indicating on what basis allowance or charge per	cent	is
	ITA09	332	calculated Percent	х	R 1/6
	IIAUJ	552	Percent expressed as a percent	^	K 1/0
Not Used	ITA10	380	Quantity	X	R 1/15
Not Used	ITA11	355	Numeric value of quantity Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being exp	resse	ed, or
Not Used	ITA12	380	manner in which a measurement has been taken Quantity	X	R 1/15
0000			Numeric value of quantity		
	ITA13	352	Description A free-form description to clarify the related data eleme	X ents a	
	ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance	X	ID 3/3
			For a list of valid DE150 values, see Section 10.4 Main used by ETB within the ETB Guideline at the following http://www.atis.org/obf/etbguid_Iss9_Rev3.asp		
Not	ITA15	822	Source Subqualifier	0	AN 1/15
Used			A reference that indicates the table or text maintained to Qualifier	by th	e Source
	ITA16	662	Relationship Code Code indicating the relationship between entities A Add	0	ID 1/1
Not Used	ITA17	355	Unit or Basis for Measurement Code	0	ID 2/2
			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or



Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes: Semantic Notes: Comments:	210 IT1 Detail Optiona 1 To spec related t 1 If an 2 If ein 3 If ein 4 If ein 5 If ein 6 If ein 7 If ein 8 If ein 9 If ein 10 If ein 11 If ein 1 IT10 1 Eler and, 2 IT10 item No., The grou	Baseline Item Data (Invoice) Optional ify the basic and most frequently used line item data for ransactions by of IT102 IT103 or IT104 is present, then all are required ther IT106 or IT107 is present, then the other is required ther IT108 or IT109 is present, then the other is required ther IT110 or IT111 is present, then the other is required ther IT112 or IT113 is present, then the other is required ther IT114 or IT115 is present, then the other is required ther IT116 or IT117 is present, then the other is required ther IT120 or IT121 is present, then the other is required ther IT120 or IT121 is present, then the other is required ther IT120 or IT121 is present, then the other is required ther IT120 or IT125 is present, then the other is required ther IT124 or IT125 is present, then the other is required ther IT124 or IT125 is present, then the other is required ther IT124 or IT125 is present, then the other is required ther IT124 or IT125 provide for ten different product/services. See the Data Dictionary for a complete list of through IT125 provide for ten different product/services. For example: Case, Color, Drawing No., U.P.C. No., IS or SKU.	ed.	products s. for each No., Model
		Data Element Summary		
Ref.	Data			
Des.	Element		<u>Attr</u>	<u>ibutes</u>
IT101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation wittransaction set	thin	а
IT102	358	Quantity Invoiced	х	R 1/10
11102	000	Number of units invoiced (supplier units)	Λ	
IT103	355	Unit or Basis for Measurement Code	Х	ID 2/2
		Code specifying the units in which a value is being exp manner in which a measurement has been taken M4 Monetary Value	resse	ed, or
IT104	212	Unit Price	Х	R 1/17
-		Price per unit of product, service, commodity, etc.	-	
Not IT105 Used	639	Basis of Unit Price Code Code identifying the type of unit price for an item	0	ID 2/2
		out and a share the type of and phot for an item		



	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive nu		ID 2/2 used in
			Product/Service ID (234)		
	IT107	234	SV Service Rendered Product/Service ID	х	AN 1/48
	11107	234	Identifying number for a product or service	^	AN 1/40
			0200 Monthly Service Charge		
			0400 Other Charges and Credits/Additio	ns and	d Changes
			0500 Itemized Calls		a onangeo
			0520 Itemized Charges/Credits		
			0700 Usage		
			0705 Measured Service		
			0900 Directory Assistance		
			1000 WATS		
			1600 Non-Voice Service		
			1710 Customized Billing Service		
			1740 Miscellaneous		
			1880 800 Common Line		
			2050 Total Amount Billed (for Summary)	Cons	olidated
			Billing Only)		
			2110 Contracts/Discounts		
	IT108	235	Product/Service ID Qualifier		ID 2/2
			Code identifying the type/source of the descriptive nu	mber	used in
			Product/Service ID (234)		
			ZZ Mutually Defined	0	
			Temporarily used in place of Telec	om Se	ervice
	IT109	234	Type - WJ Product/Service ID	х	AN 1/48
	11109	234	Identifying number for a product or service	^	AN 1/40
			1 Recurring Charge		
			2 Other Charges		
			3 Usage		
			4 Summary/Combined Charges		
Not Used	IT110	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive nu	mber	used in
			Product/Service ID (234)		
Not	IT111	234	Product/Service ID	Х	AN 1/48
Used		-	Identifying number for a product or service		
Not	IT112	235	Product/Service ID Qualifier	х	ID 2/2
Used		200		~	
			Code identifying the type/source of the descriptive nu	mber	used in
			Product/Service ID (234)		
Not Used	IT113	234	Product/Service ID	X	AN 1/48
3004			Identifying number for a product or service		



Not Used	IT114	235	Product/Service ID Qualifier	X	ID 2/2
USCU			Code identifying the type/source of the descriptive numl	ber	used in
Not Used	IT115	234	Product/Service ID (234) Product/Service ID	X	AN 1/48
Not Used	IT116	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
USEU			Code identifying the type/source of the descriptive numl Product/Service ID (234)	ber	used in
Not Used	IT117	234	Product/Service ID	X	AN 1/48
Not	IT118	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
Used			Code identifying the type/source of the descriptive numl Product/Service ID (234)	ber	used in
Not Used	IT119	234	Product/Service ID	X	AN 1/48
Not	IT120	235	Identifying number for a product or service Product/Service ID Qualifier	х	ID 2/2
Used			Code identifying the type/source of the descriptive numl	ber	used in
Not Used	IT121	234	Product/Service ID (234) Product/Service ID	X	AN 1/48
Not Used	IT122	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
Used			Code identifying the type/source of the descriptive numl Product/Service ID (234)	ber	used in
Not Used	IT123	234	Product/Service ID	X	AN 1/48
Not Used	IT124	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
5564			Code identifying the type/source of the descriptive numl Product/Service ID (234)	ber	used in
Not Used	IT125	234	Product/Service ID	X	AN 1/48
5554			Identifying number for a product or service		



	Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	220 IT1 Detail Optional 2 To speci 1 If eit 2 If eit	fy service characteristic data her SI04 or SI05 is present, then the other is required. her SI06 or SI07 is present, then the other is required.		
		4 If eit 5 If eit 6 If eit 7 If eit	ther SI08 or SI09 is present, then the other is required. ther SI10 or SI11 is present, then the other is required. ther SI12 or SI13 is present, then the other is required. ther SI14 or SI15 is present, then the other is required. ther SI16 or SI17 is present, then the other is required. ther SI18 or SI19 is present, then the other is required.		
		9 If eit	her SI20 or SI21 is present, then the other is required.		
S	emantic Notes:				
	Comments:		defines the source for each of the service characteristic		
	Notes:	Qualifier DE1000 available	egment actually contains 21 data elements. SI01 provid Code and the other 20 data elements are matched pairs /DE234 paired information is presented when the associa e. The paired information may not be in the same position I within the SI segment.	s. Th ated	ne data is
			Data Element Summary		
	Ref.	Data	-		
	Des.				
	Des.	<u>Element</u>	Name	<u>Attr</u>	<u>ibutes</u>
м	SI01	Element 559	<u>Name</u> Agency Qualifier Code	<u>Attr</u> M	<u>ibutes</u> ID 2/2
Μ					
М			Agency Qualifier Code		
м			Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics Qualifier	M	ID 2/2 AN 2/2
	SI01	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of set	M	ID 2/2 AN 2/2
	SI01	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristics	M M ervice	ID 2/2 AN 2/2
	SI01	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's assigned	M M ervice	ID 2/2 AN 2/2
	SI01	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's assivalue may be present within the SI segment.	M ervice socia	ID 2/2 AN 2/2
	SI01	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's asvalue may be present within the SI segment.DIDepartment Code/Customer ID Code	M ervice socia	ID 2/2 AN 2/2
	SI01 SI02	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's assivalue may be present within the SI segment.DIDepartment Code/Customer ID CodeTNTelephone Number	M ervice socia	ID 2/2 AN 2/2 e ated DE234
Μ	SI01	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's asvalue may be present within the SI segment.DIDepartment Code/Customer ID Code	M ervice socia	ID 2/2 AN 2/2
Μ	SI01 SI02	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's assivatue may be present within the SI segment.DIDIDepartment Code/Customer ID CodeTNTelephone NumberProduct/Service IDIdentifying number for a product or serviceThis element will contain a locally defined code associa	M ervice socia e M ted v	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of
Μ	SI01 SI02	559	Agency Qualifier CodeCode identifying the agency assigning the code values TITITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's assigned within the SI segment.DIDIDepartment Code/Customer ID Code TNTelephone NumberProduct/Service IDIdentifying number for a product or serviceThis element will contain a locally defined code associa the preceding DE1000 values. Examples of a locally defined	M ervice socia M ted v efine	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of d value
Μ	SI01 SI02 SI03	559 1000 234	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics One or more of the following DE1000 values and it's assivatue may be present within the SI segment. DI Department Code/Customer ID Code TN Telephone Number Product/Service ID Identifying number for a product or service This element will contain a locally defined code associa the preceding DE1000 values. Examples of a locally defined code, customer	M M socia socia M ted v efine er id	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of d value code, etc.
Μ	SI01 SI02	559	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics One or more of the following DE1000 values and it's assivatue may be present within the SI segment. DI Department Code/Customer ID Code TN Telephone Number Product/Service ID Identifying number for a product or service This element will contain a locally defined code associa the preceding DE1000 values. Examples of a locally defined to the service Service Characteristics Qualifier	M morvice sociation sociation sociation sociation more sociation sociation more sociation sociat	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of d value code, etc. AN 2/2
Μ	SI01 SI02 SI03	559 1000 234	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics One or more of the following DE1000 values and it's assivalue may be present within the SI segment. DI Department Code/Customer ID Code TN Telephone Number Product/Service ID Identifying number for a product or service This element will contain a locally defined code associa the preceding DE1000 values. Examples of a locally defined code, custome Service Characteristics Qualifier Code from an industry code list qualifying the type of set	M morvice sociation sociation sociation sociation more sociation sociation more sociation sociat	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of d value code, etc. AN 2/2
Μ	SI01 SI02 SI03 SI04	559 1000 234 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's assivalue may be present within the SI segment.DIDIDepartment Code/Customer ID CodeTNTelephone NumberProduct/Service IDIdentifying number for a product or serviceThis element will contain a locally defined code associathe preceding DE1000 values. Examples of a locally deinclude a telephone number, department code, customeService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristics	M rvice socia socia M ted v effine er id X ervice	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of d value code, etc. AN 2/2 a
Μ	SI01 SI02 SI03	559 1000 234	Agency Qualifier Code Code identifying the agency assigning the code values TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics One or more of the following DE1000 values and it's assivalue may be present within the SI segment. DI Department Code/Customer ID Code TN Telephone Number Product/Service ID Identifying number for a product or service This element will contain a locally defined code associa the preceding DE1000 values. Examples of a locally defined code, custome Service Characteristics Qualifier Code from an industry code list qualifying the type of set	M morvice sociation sociation sociation sociation more sociation sociation more sociation sociat	ID 2/2 AN 2/2 ated DE234 AN 1/48 with one of d value code, etc. AN 2/2



SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of se characteristics	X ervice	AN 2/2 e
SI07	234	Product/Service ID Identifying number for a product or service	Х	AN 1/48
SI08	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	ervic	е
SI09	234	Product/Service ID	Х	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 se	ervice	e
SI11	234	characteristics Product/Service ID	х	AN 1/48
5111	234	Identifying number for a product or service	~	AN 1/40
SI12	1000	Service Characteristics Qualifier	х	AN 2/2
•		Code from an industry code list qualifying the type of se	ervic	
		characteristics		
SI13	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	e
0145	004	characteristics	v	ANI 4/40
SI15	234	Product/Service ID	Х	AN 1/48
SI16	1000	Identifying number for a product or service Service Characteristics Qualifier	х	AN 2/2
3110	1000	Code from an industry code list qualifying the type of se		
		characteristics	1 1 10	0
SI17	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	e
		characteristics		
SI19	234	Product/Service ID	Х	AN 1/48
0100	4000	Identifying number for a product or service	v	
SI20	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	IVIC	e
SI21	234	Product/Service ID	х	AN 1/48
5121	207	Identifying number for a product or service	Λ	



Segment:	REF Reference Identification
Position:	260
Loop:	IT1 Optional
Level:	Detail
Usage:	Optional
Max Use:	8
Purpose:	To specify identifying information
Syntax Notes:	 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.

	- <i>(</i>	D (Data Element Summary			
	Ref.	Data		_		
	<u>Des.</u>	<u>Element</u>	Name		<u>ributes</u>	
М	REF01	128	Reference Identification Qualifier	Μ	ID 2/3	
			Code qualifying the Reference Identification			
			CR Customer Reference Number			
	REF02	127	Reference Identification	Х	AN 1/30	
			Reference information as defined for a particular Trans	actic	on Set or as	
			specified by the Reference Identification Qualifier			
Not	REF03	352	Description	Х	AN 1/80	
Used						
			A free-form description to clarify the related data elements and their			
			content			
Not	REF04	C040	Reference Identifier	Ο		
Used						
			To identify one or more reference numbers or identifica	ation	numbers as	
			specified by the Reference Qualifier			
Not	C04001	128	Reference Identification Qualifier	М	ID 2/3	
Used						
			Code qualifying the Reference Identification			
Not	C04002	127	Reference Identification	М	AN 1/30	
Used						
			Reference information as defined for a particular Trans	actic	on Set or as	
			specified by the Reference Identification Qualifier			
Not	C04003	128	Reference Identification Qualifier	Х	ID 2/3	
Used						
			Code qualifying the Reference Identification			
Not	C04004	127	Reference Identification	Х	AN 1/30	
Used				-		
			Reference information as defined for a particular Trans	actic	on Set or as	
			specified by the Reference Identification Qualifier			



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3		
Not Used	C04006	127	Code qualifying the Reference Identification Reference Identification	x	AN 1/30		
			Reference information as defined for a particular Trans specified by the Reference Identification Qualifier	•			



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

		_	Data Element Summary			
	Ref.	Data				
	Des.	<u>Element</u>	Name	<u>Attr</u>	<u>ributes</u>	
М	DTM01	374	Date/Time Qualifier	Μ	ID 3/3	
			Code specifying type of date or time, or both date and	time		
			150 Service Period Start			
			151 Service Period End			
	DTM02	373	Date	Х	DT 8/8	
			Date expressed as CCYYMMDD			
Not	DTM03	337	Time	Х	TM 4/8	
Used						
			Time expressed in 24-hour clock time as follows: HHM	Mor	HHMMSS	
			or HHMMSSD, or HHMMSSDD, where $H = hours (00-2)$			
			(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)	00)		
Not	DTM04	623	Time Code	0	ID 2/2	
Used	DIMOT	020		Ŭ		
0300			Code identifying the time. In accordance with Internation	nals	Standards	
			Organization standard 8601, time can be specified by a			
			indication in hours in relation to Universal Time Coordi			
			since + is a restricted character, + and - are substituted			
			the codes that follow	by i		
Not	DTM05	1250	Date Time Period Format Qualifier	х	ID 2/3	
Used	DIMOS	1200		Λ		
0360			Code indicating the date format, time format, or date a	nd tir	ne format	
			Coue indicating the date format, time format, of date a	iu ui	ne ionnai	
Not		1251	•			
Not Used	DTM06	1251	Date Time Period	Х	AN 1/35	
Not Used	DTM06	1251	Date Time Period	Х	AN 1/35	
	DTM06	1251	•	Х	AN 1/35	



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

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
м	ITA01	248	Allowance or Charge Indicator	M	ID 1/1
	IIAVI	240	Code which indicates an allowance or charge for the se		
			A Allowance	1 1 100	e specifieu
			5		
			N No Allowance or Charge		
	ITA02	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	ITA03	560	Special Services Code	Х	ID 2/10
			Code identifying the special service		
			ST State		
М	ITA04	331	Allowance or Charge Method of Handling Code	Μ	ID 2/2
			Code indicating method of handling for an allowance or	cha	irae
			04 Credit Customer Account	00	
			06 Charge to be Paid by Customer		
			ZZ Mutually Defined		
	ITA05	341	Allowance or Charge Number	0	AN 1/16
	TIAUJ	341		•	
			The number assigned by a vendor referencing an allow	ance	Э,
			promotion, deal or charge	-	
Not	ITA06	359	Allowance or Charge Rate	0	R 1/15
Used					
			Allowance or Charge Rate per Unit		



	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	0	N2 1/15		
Not Used	ITA08	378	Allowance/Charge Percent Qualifier	0	ID 1/1		
0000			Code indicating on what basis allowance or charge per	harge percent is			
Not Used	ITA09	332	calculated Percent	X	R 1/6		
Not Used	ITA10	380	Percent expressed as a percent Quantity	x	R 1/15		
Not Used	ITA11	355	Numeric value of quantity Unit or Basis for Measurement Code	x	ID 2/2		
			Code specifying the units in which a value is being exp	resse	ed, or		
Not Used	ITA12	380	manner in which a measurement has been taken Quantity	x	R 1/15		
0360			Numeric value of quantity				
	ITA13	352	Description A free-form description to clarify the related data eleme content	X ents a	AN 1/80 and their		
	ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance	X	ID 3/3		
			For a list of valid DE150 values, see Section 10.4 Main used by ETB within the ETB Guideline at the following http://www.atis.org/obf/etbguid_Iss9_Rev3.asp				
Not	ITA15	822	Source Subqualifier	ο	AN 1/15		
Used			A reference that indicates the table or text maintained I Qualifier	oy th	e Source		
	ITA16	662	Relationship Code	0	ID 1/1		
			Code indicating the relationship between entities I Included O Information Only				
Not	ITA17	355	Unit or Basis for Measurement Code	0	ID 2/2		
Used			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or		



Segment:	SLN Subline Item Detail
Position:	390
Loop:	SLN Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If either SLN04 or SLN05 is present, then the other is required.
	2 If SLN07 is present, then SLN06 is required.
	3 If SLN08 is present, then SLN06 is required.
	4 If either SLN09 or SLN10 is present, then the other is required.
	5 If either SLN11 or SLN12 is present, then the other is required.
	6 If either SLN13 or SLN14 is present, then the other is required.
	7 If either SLN15 or SLN16 is present, then the other is required.
	8 If either SLN17 or SLN18 is present, then the other is required.
	9 If either SLN19 or SLN20 is present, then the other is required.
	10 If either SLN21 or SLN22 is present, then the other is required.
	11 If either SLN23 or SLN24 is present, then the other is required.
	12 If either SLN25 or SLN26 is present, then the other is required.
Semantic Notes:	 13 If either SLN27 or SLN28 is present, then the other is required. 14 SLN21 is the identifying number for the subline item.
Semantic Notes:	 SLN01 is the identifying number for the subline level. SLN02 is the identifying number for the subline level. The subline level is
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline
	item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the
	associated segment.
Comments:	1 See the Data Element Dictionary for a complete list of IDs.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item
	number. Example: 1.1 or 1A might be used as a subline number to relate to
	baseline number 1.
	3 SLN09 through SLN28 provide for ten different product/service IDs for each
	item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model
	No., or SKU.
Notes:	The SLN loop may only appear at the charge detail level.

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>	<u>Attr</u>	<u>ributes</u>
М	SLN01	350	Assigned Identification	Μ	AN 1/20
			Alphanumeric characters assigned for differentiation w transaction set	ithin a	а
Not Used	SLN02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation w transaction set	ithin a	а
Μ	SLN03	662	Relationship Code Code indicating the relationship between entities I Included	Μ	ID 1/1



	SLN04	380	Quantity	Х	R 1/15
	SLN05	C001	Numeric value of quantity Composite Unit of Measure	х	
			To identify a composite unit of measure		
М	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being exp	resse	ed, or
			manner in which a measurement has been taken		
			C0 Calls (Messages) EA Each		
			M4 Monetary Value		
Not	C00102	1018	Exponent	0	R 1/15
Used				-	
			Power to which a unit is raised		
Not	C00103	649	Multiplier	0	R 1/10
Used					
	000404	055	Value to be used as a multiplier to obtain a new value	~	
Not Used	C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
Useu			Code specifying the units in which a value is being expl	nacci	ed or
			manner in which a measurement has been taken	0000	50, 01
Not	C00105	1018	Exponent	0	R 1/15
Used					
			Power to which a unit is raised		
Not	C00106	649	Multiplier	Ο	R 1/10
		010	manaphon	Ŭ	
Used		010		Ū	
Used			Value to be used as a multiplier to obtain a new value	-	
Used Not	C00107	355		0	ID 2/2
Used			Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used Not			Value to be used as a multiplier to obtain a new value	0	ID 2/2
Used Not			Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being expl	0	ID 2/2
Used Not Used	C00107	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being expl manner in which a measurement has been taken Exponent	O	ID 2/2 ed, or
Used Not Used Not Used	C00107 C00108	355 1018	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being experiment manner in which a measurement has been taken Exponent Power to which a unit is raised	O resse O	ID 2/2 ed, or R 1/15
Used Not Used Not Used	C00107	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being expl manner in which a measurement has been taken Exponent	O	ID 2/2 ed, or
Used Not Used Not Used	C00107 C00108	355 1018	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being expl manner in which a measurement has been taken Exponent Power to which a unit is raised Multiplier	O resse O	ID 2/2 ed, or R 1/15
Used Not Used Not Used	C00107 C00108 C00109	355 1018 649	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value 	O resse O	ID 2/2 ed, or R 1/15 R 1/10
Used Not Used Not Used Not Used	C00107 C00108	355 1018	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being expl manner in which a measurement has been taken Exponent Power to which a unit is raised Multiplier	O resso O O	ID 2/2 ed, or R 1/15
Used Not Used Not Used Not	C00107 C00108 C00109	355 1018 649	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement 	0 resse 0 0 0	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2
Used Not Used Not Used Not Used	C00107 C00108 C00109 C00110	355 1018 649 355	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being exponent manner in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being exponent Code specifying the units in which a value is being exponent 	0 resse 0 0 0 resse	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2 ed, or
Used Not Used Not Used Not Used Not	C00107 C00108 C00109	355 1018 649	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement 	0 resse 0 0 0	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2
Used Not Used Not Used Not Used	C00107 C00108 C00109 C00110	355 1018 649 355	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken 	0 resse 0 0 0 resse	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2 ed, or
Used Not Used Not Used Not Used Not Used	C00107 C00108 C00109 C00110	355 1018 649 355 1018	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised 	0 0 0 0 resse 0	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2 ed, or R 1/15
Used Not Used Not Used Not Used Not Used Not	C00107 C00108 C00109 C00110	355 1018 649 355	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken 	0 resse 0 0 0 resse	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2 ed, or
Used Not Used Not Used Not Used Not Used	C00107 C00108 C00109 C00110	355 1018 649 355 1018	 Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised Multiplier Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code Code specifying the units in which a value is being explorement in which a measurement has been taken Exponent Power to which a unit is raised 	0 0 0 0 resse 0	ID 2/2 ed, or R 1/15 R 1/10 ID 2/2 ed, or R 1/15



Not Used	C00113	355	Unit or Basis for Measurement Code	ο	ID 2/2
USEU			Code specifying the units in which a value is being exp manner in which a measurement has been taken	ress	ed, or R 1/15 R 1/10
Not Used	C00114	1018	Exponent	0	R 1/15
Not	C00115	649	Power to which a unit is raised Multiplier	0	R 1/10
Used					
	SLN06	212	Value to be used as a multiplier to obtain a new value Unit Price	х	R 1/17
	OLIVO	212	Price per unit of product, service, commodity, etc.	Λ	IX 1/17
Not Used	SLN07	639	Basis of Unit Price Code	0	ID 2/2
			Code identifying the type of unit price for an item		
	SLN08	662	Relationship Code	0	ID 1/1
			Code indicating the relationship between entities		
			I Included O Information Only		
	SLN09	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive num	ber	used in
			Product/Service ID (234)		
		004	SV Service Rendered	v	
	SLN10	234	Product/Service ID Identifying number for a product or service	Х	AN 1/48
			0205 Basic Service		
			0800 Optional Call Plan/Discount Plan		
			1910 Billing/Transaction Processing Char	ges	
			1950 InWATS/800 Service		
			1960 OutWATS		
			1990 Other Line Charge		
Not			2110 Contracto/Discounts		
Used	SI N11	225	2110 Contracts/Discounts Product/Service ID Qualifier	¥	2/2 חו
	SLN11	235	Product/Service ID Qualifier	X	ID 2/2
	SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num		-
Not	-		Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN11 SLN12	235 234	Product/Service ID Qualifier Code identifying the type/source of the descriptive num		-
Not Used	-		Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
	-		Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234) Product/Service ID	ber	used in
Used Not	SLN12	234	 Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234) Product/Service ID Identifying number for a product or service Product/Service ID Qualifier Code identifying the type/source of the descriptive num 	iber X X	used in AN 1/48 ID 2/2
Used Not Used	SLN12 SLN13	234 235	 Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234) Product/Service ID Identifying number for a product or service Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234) 	iber X X	used in AN 1/48 ID 2/2 used in
Used Not	SLN12	234	 Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234) Product/Service ID Identifying number for a product or service Product/Service ID Qualifier Code identifying the type/source of the descriptive num 	iber X X	used in AN 1/48 ID 2/2



Not Used	SLN15	235	Product/Service ID Qualifier	X	ID 2/2
0360			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN16	234	Product/Service ID	X	AN 1/48
Not Used	SLN17	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN18	234	Product/Service ID	Χ	AN 1/48
Not Used	SLN19	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN20	234	Product/Service ID	X	AN 1/48
Not Used	SLN21	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
0004			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN22	234	Product/Service ID	X	AN 1/48
Not Used	SLN23	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN24	234	Product/Service ID	X	AN 1/48
Not Used	SLN25	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
0304			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN26	234	Product/Service ID	X	AN 1/48
Not Used	SLN27	235	Identifying number for a product or service Product/Service ID Qualifier	x	ID 2/2
0000			Code identifying the type/source of the descriptive num Product/Service ID (234)	ber	used in
Not Used	SLN28	234	Product/Service ID	X	AN 1/48
0300			Identifying number for a product or service		



Segment: Position: Loop: Level: Usage:	SI service Characteristic Identification 400 SLN Optional Detail Optional						
Max Use:	2						
Purpose:	To specify service characteristic data						
Syntax Notes:	 If either SI04 or SI05 is present, then the other is required. If either SI06 or SI07 is present, then the other is required. If either SI08 or SI09 is present, then the other is required. If either SI10 or SI11 is present, then the other is required. If either SI12 or SI13 is present, then the other is required. If either SI14 or SI15 is present, then the other is required. If either SI16 or SI17 is present, then the other is required. If either SI16 or SI17 is present, then the other is required. If either SI18 or SI19 is present, then the other is required. 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. The SI segment actually contains 21 data elements. SI01 provides an Agency						
Notes.	Qualifier Code and the other 20 data elements are matched pairs. The DE1000/DE234 paired information is presented when the associated data is available. The paired information may not be in the same positional placement as noted within the SI segment.						

	Data Liement Summary								
	Ref.	Data							
	Des.	<u>Element</u>	<u>Name</u>		<u>Attri</u>	<u>ibutes</u>			
Μ	SI01	559	Agency Qualifier	Code	Μ	ID 2/2			
			Code identifying th						
			TI	Telecommunications Industry					
Μ	SI02	1000	Service Characte	ristics Qualifier	Μ	AN 2/2			
			Code from an industry code list qualifying the type of service						
			characteristics						
			One or more of the following DE1000 values and it's associated DE234						
			value may be present within the SI segment.						
			CH	Charge/Usage Status Code					
			DA	Directory Assistance Category Code					
			DCDirection CodeOCOther Charges and Credits Category Code						
			RP Rate Period Code						
			SA	Service Activity Code					
			SD	Settlement Code					
			ST	Message Service Type					
Μ	SI03	234	Product/Service ID			AN 1/48			
	Identifying number for a product or service								
				DE234 values associated with the pre					
				on 10.4 Maintained Code List used by	ETB	within the			
			ETB Guideline at the following website:						
			http://www.atis.org	/obf/etbguid_lss9_Rev3.asp					



SI04	1000	Service Characteristics Qualifier	Х	AN 2/2			
		Code from an industry code list qualifying the type of s	ervic	е			
		characteristics					
		BA Band					
		CI Circuit Drop Location Code					
		CN Circuit Number					
		DI Department Code/Customer ID Coc	e				
		DJ Sub-Departmental ID Code					
		FD Feature Data	N I				
		FN From/Originating Station Telephone FS Foreign Serving Office (FSO)	INUI	ibei			
		FS Foreign Serving Office (FSO) LS Local Serving Office (LSO)					
		OD Other Charges and Credits Descript	ion (`odo			
		5	g Message Carrier Identification				
		PQ Major Product Code					
		SC Service Category Code					
		TM To/Terminating Station Telephone N	Jumb	ber			
		TN Telephone Number					
		TS Type of Signaling					
		TX Translated Telephone Number					
SI05	234	Product/Service ID	Х	AN 1/48			
		Identifying number for a product or service					
		This element will contain a locally defined code associa					
		the preceding DE1000 values. Examples of a locally defined value					
		include a circuit number, circuit drop location, feature of		telephone			
0100	4000	number, USOC, department code, customer id code, e					
SI06	1000	Service Characteristics Qualifier	X	AN 2/2			
		Code from an industry code list qualifying the type of s characteristics	ervic	e			
SI07	234	Product/Service ID	х	AN 1/48			
0107	204	Identifying number for a product or service	Λ				
S108	1000	Service Characteristics Qualifier	х	AN 2/2			
0.00	1000	Code from an industry code list qualifying the type of service					
		characteristics		•			
SI09	234	Product/Service ID	Х	AN 1/48			
		Identifying number for a product or service					
SI10	1000	Service Characteristics Qualifier	Х	AN 2/2			
		Code from an industry code list qualifying the type of s	ervic	е			
		characteristics					
SI11	234	Product/Service ID	Х	AN 1/48			
		Identifying number for a product or service					
SI12	1000	Service Characteristics Qualifier	Х	AN 2/2			
		Code from an industry code list qualifying the type of s	ervic	e			
		characteristics					
SI13	234	Product/Service ID Identifying number for a product or service	Х	AN 1/48			



SI14	1000	Service Characteristics Qualifier	Χ	AN 2/2
		Code from an industry code list qualifying the type of ser	vice	9
		characteristics		
SI15	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of ser characteristics	vice	9
SI17	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of ser characteristics	vice	9
SI19	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of ser characteristics	vice	9
SI21	234	Product/Service ID	Х	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.PID07 specifies the individual code list of the agency specified in PID03.

	Ref. <u>Des.</u>	Data Element	Name	Δ++	ributes
N.A.					
Μ	PID01	349	Item Description Type	Μ	ID 1/1
			Code indicating the format of a description		
			F Free-form		
			X Semi-structured (Code and Text)		
Not	PID02	750	Product/Process Characteristic Code	0	ID 2/3
Used					
			Code identifying the general class of a product or proce	ess c	haracteristic
	PID03	559	Agency Qualifier Code	X	ID 2/2
	1.1200	000	Code identifying the agency assigning the code values	~	10 2/2
			AS Assigned by Seller		
		764	o	v	ANI 4/40
	PID04	751	Product Description Code	. Х	AN 1/12
			A code from an industry code list which provides specif	IC da	ata about a
			product characteristic		
	PID05	352	Description	Х	AN 1/80
			A free-form description to clarify the related data eleme	ents a	and their
			content		
Not	PID06	752	Surface/Layer/Position Code	0	ID 2/2
Used		-	•	_	
			Code indicating the product surface, layer or position th	at is	being
			described	101 13	being
			UESCHDEU		



Not Used	PID07	822	Source Subqualifier	ο	AN 1/15
			A reference that indicates the table or text maintained be Qualifier	by th	e Source
Not Used	PID08	1073	Yes/No Condition or Response Code	0	ID 1/1
			Code indicating a Yes or No condition or response	_	
Not Used	PID09	819	Language Code	0	ID 2/3
			Code designating the language used in text, from a standard code maintained by the International Standards Organization (ISO 639)		



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:

Ref.

Data

	IVEI.	Data			
	Des.	Element	Name	Att	ributes
Μ	INC01	336	Terms Type Code	Μ	ID 2/2
			Code identifying type of payment terms		
			04 Deferred or Installment		
М	INC02	C001	Composite Unit of Measure	М	
141	INCOZ	0001	•	IVI	
	000404	055	To identify a composite unit of measure		
Μ	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being exp	ress	ed, or
			manner in which a measurement has been taken		
			MO Months		
Not	C00102	1018	Exponent	0	R 1/15
Used					
			Power to which a unit is raised		
Not	C00103	649	Multiplier	Ο	R 1/10
Used		0.0	manipiloi	•	
USCU			Value to be used as a multiplier to obtain a new value		
Nat	C00404	255		~	
Not	C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
Used					
			Code specifying the units in which a value is being exp	ress	ed, or
			manner in which a measurement has been taken		
Not	C00105	1018	Exponent	0	R 1/15
Used					
			Power to which a unit is raised		
Not	C00106	649	Multiplier	0	R 1/10
Used				_	
0004			Value to be used as a multiplier to obtain a new value		
Not	C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
Used	00107	555		U	
USea			Code enceifuing the units in which a value is heir rear		
			Code specifying the units in which a value is being exp	ress	ea, or
			manner in which a measurement has been taken		



Not Used	C00108	1018	Exponent	0	R 1/15
Not Used	C00109	649	Power to which a unit is raised Multiplier	0	R 1/10
Not Used	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
0000			Code specifying the units in which a value is being expl	resse	ed, or
Not Used	C00111	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	0	R 1/10
Not	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	ο	ID 2/2
Used			Code specifying the units in which a value is being expl	resse	ed, or
Not Used	C00114	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not Used	C00115	649	Power to which a unit is raised Multiplier	ο	R 1/10
м	INC03	380	Value to be used as a multiplier to obtain a new value Quantity Numeric value of quantity	М	R 1/15
м	INC04	380	Indicates the total number of installments. Quantity	м	R 1/15
141	114004	500	Numeric value of quantity	141	IX 1/15
Net	INICOL	700	Indicates number of current installment.	^	D 4/40
Not Used	INC05	782	Monetary Amount Monetary amount	0	R 1/18



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

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	<u>Attr</u>	<u>ibutes</u>
Μ	ITA01	248	Allowance or Charge Indicator	Μ	ID 1/1
			Code which indicates an allowance or charge for the se	rvice	e specified
			A Allowance		·
			N No Allowance or Charge		
	ITA02	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
	ITA03	560	Special Services Code	Х	ID 2/10
			Code identifying the special service		
			CY County		
			ST State		
Μ	ITA04	331	Allowance or Charge Method of Handling Code	Μ	ID 2/2
			Code indicating method of handling for an allowance or	cha	rge
			04 Credit Customer Account		
			ZZ Mutually Defined		
Not	ITA05	341	Allowance or Charge Number	0	AN 1/16
Used					
			The number assigned by a vendor referencing an allow	ance) ,
			promotion, deal or charge		



Not Used	ITA06	359	Allowance or Charge Rate	0	R 1/15
	ITA07	360	Allowance or Charge Rate per Unit Allowance or Charge Total Amount	0	N2 1/15
Not Used	ITA08	378	Total dollar amount for the allowance or charge Allowance/Charge Percent Qualifier	0	ID 1/1
			Code indicating on what basis allowance or charge percenter calculated	cent	is
	ITA09	332	Percent	Х	R 1/6
N I (17440		Percent expressed as a percent	v	D 4/45
Not Used	ITA10	380	Quantity	Х	R 1/15
USEU			Numeric value of quantity		
Not Used	ITA11	355	Unit or Basis for Measurement Code	Х	ID 2/2
			Code specifying the units in which a value is being exp	resse	ed, or
Not Used	ITA12	380	manner in which a measurement has been taken Quantity	X	R 1/15
			Numeric value of quantity		
	ITA13	352	Description	Χ	AN 1/80
			A free-form description to clarify the related data eleme content	ents a	and their
	ITA14	150	Special Charge or Allowance Code	Х	ID 3/3
			Code identifying type of special charge or allowance		
			For a list of valid DE150 values, see Section 10.4 Main used by ETB within the ETB Guideline at the following		
Not	ITA15	822	http://www.atis.org/obf/etbguid_Iss9_Rev3.asp Source Subqualifier	0	AN 1/15
Used				•	/
			A reference that indicates the table or text maintained be Qualifier	by th	e Source
	ITA16	662	Relationship Code	0	ID 1/1
			Code indicating the relationship between entities		
Not	ITA17	355	O Information Only Unit or Basis for Measurement Code	0	ID 2/2
Used		000		Ŭ	
			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or



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:	

			Data Element Summary		
м	Ref. <u>Des.</u> TXI01	Data <u>Element</u> 963	Name Tax Type Code Code specifying the type of tax ST State Sales Tax	<u>Att</u> M	ributes ID 2/2
	TXI02	782	Monetary Amount	Х	R 1/18
Not Used	TX103	954	Monetary amount Percent	X	R 1/10
Not Used	TXI04	955	Percentage expressed as a decimal Tax Jurisdiction Code Qualifier	x	ID 2/2
Not Used	TXI05	956	Code identifying the source of the data used in tax juris Tax Jurisdiction Code	sdicti X	on code AN 1/10
Not Used	TXI06	441	Code identifying the taxing jurisdiction Tax Exempt Code	x	ID 1/1
USUU	TX107	662	Code identifying exemption status from sales and use a Relationship Code Code indicating the relationship between entities	ax O	ID 1/1
Not	TXI08	828	A Add Dollar Basis For Percent	0	R 1/9
Used			Dollar basis to be used in the percent calculation of the charge or tax	allo	wance,



Not Used	TXI09	325	Tax Identification Number	0	AN 1/20		
Not Used	TXI10	350	Number assigned to a purchaser (buyer, orderer) by a f jurisdiction (state, county, etc.); often called a tax exem certificate number Assigned Identification				
USEU			Alphanumeric characters assigned for differentiation with transaction set	assigned for differentiation within a			



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

Comments:

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	ributes
м	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			Code qualifying the Reference Identification		
			CIR Circuit Number		
			CT Contract Number		
			OW Service Order Number		
	BEE0 0	407	PO Purchase Order Number	v	
	REF02	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Trans	actic	on Set or as
			specified by the Reference Identification Qualifier		
Not	REF03	352	Description	Х	AN 1/80
Used					
			A free-form description to clarify the related data eleme	ents a	and their
			content		
Not	REF04	C040	Reference Identifier	0	
Used					
			To identify one or more reference numbers or identification	ation	numbers as
			specified by the Reference Qualifier		
Not	C04001	128	Reference Identification Qualifier	М	ID 2/3
Used	001001	120			10 2/0
0360			Code qualifying the Reference Identification		
Not	C04002	127	Reference Identification	м	AN 1/30
Not	C04002	127	Reference identification	IVI	AN 1/30
Used			Defense of the second first defined for a second		0.1
			Reference information as defined for a particular Trans	actic	on Set or as
			specified by the Reference Identification Qualifier		
Not	C04003	128	Reference Identification Qualifier	Х	ID 2/3
Used					
			Code qualifying the Reference Identification		
Not	C04004	127	Reference Identification	Х	AN 1/30
Used					
			Reference information as defined for a particular Trans	sactic	on Set or as
			specified by the Reference Identification Qualifier		



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3	
Not Used	C04006	127	Code qualifying the Reference Identification Reference Identification	x	AN 1/30	
			Reference information as defined for a particular Transaction Set specified by the Reference Identification Qualifier			



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

Comments:

			Data Element Summary			
	Ref.	Data				
	Des.	Element	Name	Att	<u>ributes</u>	
М	DTM01	374	Date/Time Qualifier	Μ	ID 3/3	
			Code specifying type of date or time, or both date and	time		
			007 Effective			
			150 Service Period Start			
			151 Service Period End			
			152 Effective Date of Change			
	DTM02	373	Date	Х	DT 8/8	
			Date expressed as CCYYMMDD			
Not Used	DTM03	337	Time	Х	TM 4/8	
Not	DTM04	623	Time expressed in 24-hour clock time as follows: HHM or HHMMSSD, or HHMMSSDD, where H = hours (00-2 (00-59), S = integer seconds (00-59) and DD = decimal decimal seconds are expressed as follows: D = tenths (hundredths (00-99) Time Code	23), N I sec	Λ = minutes onds;	
Used			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow			
Not	DTM05	1250	Date Time Period Format Qualifier	Х	ID 2/3	
Used						
Not Used	DTM06	1251	Code indicating the date format, time format, or date a Date Time Period	nd tii X	me format AN 1/35	
03EU			Expression of a date, a time, or range of dates, times of times	or dat	tes and	



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:	

	Ref.	Data	News		
	Des.	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
Μ	AMT01	522	Amount Qualifier Code	Μ	ID 1/3
			Code to qualify amount		
			AP Amount Prior to Fractionalization		
М	AMT02	782	Monetary Amount	Μ	R 1/18
			Monetary amount		
Not Used	AMT03	478	Credit/Debit Flag Code	0	ID 1/1
USEU					

Code indicating whether amount is a credit or debit



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

	Ref.	Data	•		
	Des.	Element	Name	Att	ributes
Μ	QTY01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			8H Minimum		
			92 Allotted Usage Quantity		
			94 Billable Quantity		
			99 Quantity Used		
	QTY02	380	Quantity	Х	R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure		
М	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being exp	ress	ed, or
			manner in which a measurement has been taken		
			C0 Calls (Messages)		
			HR Hours		
			MJ Minutes	_	
Not	C00102	1018	Exponent	0	R 1/15
Used					
			Power to which a unit is raised	-	
Not	C00103	649	Multiplier	0	R 1/10
Used					
	000404		Value to be used as a multiplier to obtain a new value	•	
Not	C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
Used					
			Code specifying the units in which a value is being exp	ress	ed, or
Net	000405	4040	manner in which a measurement has been taken	~	D 4/45
Not	C00105	1018	Exponent	0	R 1/15
Used			Device to which a writin price d		
Net	000400	0.40	Power to which a unit is raised	~	D 4/40
Not	C00106	649	Multiplier	0	R 1/10
Used			Value to be used on a multiplicate obtain a mountain		
			Value to be used as a multiplier to obtain a new value		



Not Used	C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
0300			Code specifying the units in which a value is being expl	ress	ed, or
Not Used	C00108	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not	C00109	649	Power to which a unit is raised Multiplier	ο	R 1/10
Used Not	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or
Not Used	C00111	1018	Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	ο	ID 2/2
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or
Not Used	C00114	1018	Exponent	0	R 1/15
Not Used	C00115	649	Power to which a unit is raised Multiplier	0	R 1/10
Not	QTY04	61	Value to be used as a multiplier to obtain a new value Free-Form Message	x	AN 1/30
Used			Free-form information		



Seman	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: omments:	1 If ei 2 If Ni 1 NM	Optional		
			Data Element Summary		
Μ	Ref. <u>Des.</u> NM101	Data <u>Element</u> 98	Name Entity Identifier Code Code identifying an organizational entity, a physical loc or an individual	Μ	r <u>ibutes</u> ID 2/3 n, property
М	NM102	1065	IA Installed At P9 Primary Interexchange Carrier (PIC Entity Type Qualifier Code qualifying the type of entity 2 Non-Person Entity) M	ID 1/1
	NM103	1035	Name Last or Organization Name Individual last name or organizational name	0	AN 1/35
Not Used	NM104	1036	Name First	0	AN 1/25
Not Used	NM105	1037	Individual first name Name Middle	0	AN 1/25
Not Used	NM106	1038	Individual middle name or initial Name Prefix	0	AN 1/10
Not	NM107	1039	Prefix to individual name Name Suffix	ο	AN 1/10
Used	NM108	66	Suffix to individual name Identification Code Qualifier Code designating the system/method of code structure Identification Code (67) 41 Telecommunications Carrier Identifi	icatic	
	NM109	67	91 Assigned by Seller or Seller's Agent Identification Code	t X	AN 2/80
Not	NM110	706	Code identifying a party or other code Entity Relationship Code	x	ID 2/2
Used Not Used	NM111	98	Code describing entity relationship Entity Identifier Code Code identifying an organizational entity, a physical loc or an individual	O catior	ID 2/3



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:	

	Ref.	Data	-	
	Des.	Element	Name	<u>Attributes</u>
И	N301	166	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.

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
	N401	19	City Name	0	AN 2/30
			Free-form text for city name		
	N402	156	State or Province Code	0	ID 2/2
			Code (Standard State/Province) as defined by appropr agency	iate (government
Not	N403	116	Postal Code	0	ID 3/15
Used					
			Code defining international postal zone code excluding	j pun	ctuation and
			blanks (zip code for United States)	•	
Not	N404	26	Country Code	0	ID 2/3
Used					
			Code identifying the country		
Not	N405	309	Location Qualifier	Х	ID 1/2
Used					
			Code identifying type of location		
Not	N406	310	Location Identifier	0	AN 1/30
Used					
			Code which identifies a specific location		



Segment:	TCD Itemized Call Detail
Position:	590
Loop:	TCD Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify detail information for itemized calls
Syntax Notes:	1 If either TCD04 or TCD05 is present, then the other is required.
-,	2 If either TCD07 or TCD08 is present, then the other is required.
Semantic Notes:	1 TCD12 is an undiscounted amount.
	2 TCD13 is a net amount after the discount has been applied to the amount in
	TCD12.
	3 TCD14 is an undiscounted amount.
	4 TCD15 is a net amount after the discount has been applied to the amount in
	TCD14.
	5 TCD16 is a code indicating the relationship of the price or amount to the
	associated segment.
Comments:	1 TCD01 is the detail information.
	2 TCD02 is the date of the call.
	3 TCD03 is the connect time of the call.
	4 TCD04, TCD05, and TCD06 are the "TO" location of the call.
	5 TCD07, TCD08, and TCD09 are the "FROM" location of the call.
	6 TCD10 and TCD11 are the total duration of the call. TCD10 is the time
	measured in minutes or minutes and tenths of minutes. TCD11 is time

measured in minutes or minutes and tenths of minutes. ICD11 is time measured in seconds or seconds and tenths of seconds.

Ref.	Data			
Des.	Element	<u>Name</u>	<u>Attr</u>	<u>ibutes</u>
TCD01	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation wi transaction set	thin a	a
TODAA	272		~	
TCD02	373	Date	0	DT 8/8
		Date expressed as CCYYMMDD		
TCD03	337	Time	0	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMI or HHMMSSD, or HHMMSSDD, where H = hours (00-2 (00-59), S = integer seconds (00-59) and DD = decimal decimal seconds are expressed as follows: D = tenths (hundredths (00-99)	23), M seco	1 = minutes onds;



	TCD04	309	Location Qualifier	Х	ID 1/2
			Code identifying type of location Code identifying the type of "TO" location provided in T TCD06. A value of "ZZ" indicates any point of originatic or service for a call that cannot be qualified by traditiona qualifiers (i.e., City or Country). The point of origination service that this code qualifies could be the name of an vehicle, or service where a call originated/terminated or was provided.	on/te al ge /terr airci	rmination ographic nination or raft, vessel,
			CC Country CI City		
	TCD05	310	ZZ Mutually Defined Location Identifier Code which identifies a specific location	x	AN 1/30
	TCD06	156	State or Province Code Code (Standard State/Province) as defined by appropria agency	O ate g	ID 2/2 overnment
	TCD07	309	Location Qualifier Code identifying type of location	X	ID 1/2
			Code identifying the type of "FROM" location in TCD08 value of "ZZ" indicates any point of origination/terminati for a call that cannot be qualified by traditional geograph (i.e., City or Country). The point of origination/terminati that this code qualifies could be the name of an aircraft, vehicle, or service where a call originated/terminated or was provided. CC Country CI City	on o nic q on o ves	r service ualifiers r service sel,
	TCD08	310	ZZ Mutually Defined Location Identifier	x	AN 1/30
	TCD09	156	Code which identifies a specific location State or Province Code Code (Standard State/Province) as defined by appropria agency	O ate g	ID 2/2 Jovernment
	TCD10	739	Measurement Value The value of the measurement	0	R 1/20
	TCD11	739	Measurement Value The value of the measurement	0	R 1/20
			The measurement is in seconds as related to the length This field can be used in conjunction with the TCD10 fie		
	TCD12	782	Monetary Amount Monetary amount	0	R 1/18
1	TCD13	782	Monetary Amount	0	R 1/18
I	TCD14	782	Monetary amount Monetary Amount	0	R 1/18
			Monetary amount		

Not Used

Not Used



Not Used	TCD15	782	Monetary Amount	0	R 1/18
	TCD16	662	Monetary amount Relationship Code Code indicating the relationship between entities I Included O Information Only	0	ID 1/1



	Segment:	SI Se	rvice Characterist	ic Identification			
	Position:	600					
	Loop:	TCD					
	Level:	Detail	••••••••				
	Usage:	Optional	l				
	Max Use:	2					
	Purpose:		ify service characte	aristic data			
	Syntax Notes:	•	•	present, then the other is required.			
	Syntax Notes.			present, then the other is required.			
				•			
				s present, then the other is required.			
				s present, then the other is required.			
				s present, then the other is required.			
				present, then the other is required.			
				present, then the other is required.			
				present, then the other is required.			
-		9 If eit	ther SI20 or SI21 is	present, then the other is required.			
Se	emantic Notes:						
	Comments:			e for each of the service characteristic			
	Notes:			ontains 21 data elements. SI01 provid			
				er 20 data elements are matched pairs			
				rmation is presented when the associa			
				mation may not be in the same position	onal	placement	
		as notec	I within the SI segn	nent.			
			Data Flem	ant Summary			
	Ref.	Data	Data Lient	ent Summary			
				ent Summary	Attr	ibutes	
м	Ref. <u>Des.</u> SI01	Data <u>Element</u> 559	Name		<u>Attr</u> M	<u>ibutes</u> ID 2/2	
Μ	Des.	Element	<u>Name</u> Agency Qualifier	Code			
Μ	Des.	Element	<u>Name</u> Agency Qualifier	Code he agency assigning the code values			
M	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI	Code he agency assigning the code values Telecommunications Industry			
	Des.	Element	Name Agency Qualifier Code identifying t TI Service Characte	Code he agency assigning the code values Telecommunications Industry pristics Qualifier	M	ID 2/2 AN 2/2	
	<u>Des.</u> SI01	<u>Element</u> 559	<u>Name</u> Agency Qualifier Code identifying t TI Service Characte Code from an inde	Code he agency assigning the code values Telecommunications Industry	M	ID 2/2 AN 2/2	
	<u>Des.</u> SI01	<u>Element</u> 559	<u>Name</u> Agency Qualifier Code identifying t TI Service Characte Code from an inducharacteristics	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se	M M ervice	ID 2/2 AN 2/2 e	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an inde characteristics One or more of th	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as	M M ervice	ID 2/2 AN 2/2 e	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an inde characteristics One or more of th	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment.	M M ervice socia	ID 2/2 AN 2/2 e	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an inde characteristics One or more of th value may be prese	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as	M M ervice socia	ID 2/2 AN 2/2 e	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Character Code from an inducharacteristics One or more of the value may be presended DA DC	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code	M M ervice socia	ID 2/2 AN 2/2 e	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an indicharacteristics One or more of the value may be presended DA DC MC	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class	M M ervice socia	ID 2/2 AN 2/2 e ated DE234	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an inducharacteristics One or more of the value may be present DA DC MC MI	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code (M M ervice socia	ID 2/2 AN 2/2 e ated DE234	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an indicharacteristics One or more of the value may be presended DA DC MC	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class	M M ervice socia	ID 2/2 AN 2/2 e ated DE234	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an inducharacteristics One or more of the value may be present DA DC MC MI MT	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type	M M ervice socia	ID 2/2 AN 2/2 e ated DE234	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Characte Code from an inducharacteristics One or more of the value may be present DA DC MC MI MT RP	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code	M M ervice socia	ID 2/2 AN 2/2 e ated DE234	
Μ	<u>Des.</u> SI01 SI02	<u>Element</u> 559 1000	Name Agency Qualifier Code identifying t TI Service Characte Code from an inducharacteristics One or more of the value may be present DA DC MC MI MT RP SD	 Code he agency assigning the code values Telecommunications Industry pristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code Message Service Type 	M M ervice socia	ID 2/2 AN 2/2 e ated DE234	
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code identifying t TI Service Character Code from an inducharacteristics One or more of the value may be present DA DC MC MI MT RP SD ST Product/Service	 Code he agency assigning the code values Telecommunications Industry pristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code Message Service Type ID 	M Mervico socia	ID 2/2 AN 2/2 e ated DE234	
Μ	<u>Des.</u> SI01 SI02	<u>Element</u> 559 1000	Name Agency Qualifier Code identifying t TI Service Characte Code from an indicharacteristics One or more of th value may be prese DA DC MC MI MT RP SD ST Product/Service Identifying number	 Code he agency assigning the code values Telecommunications Industry pristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code Message Service Type 	M Mervice socia Qual	ID 2/2 AN 2/2 e ated DE234 ifier AN 1/48	
Μ	<u>Des.</u> SI01 SI02	<u>Element</u> 559 1000	Name Agency Qualifier Code identifying t TI Service Characte Code from an indicharacteristics One or more of th value may be prese DA DC MC MI MT RP SD ST Product/Service Identifying number For a list of valid	 Code he agency assigning the code values Telecommunications Industry pristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code Message Service Type ID of a product or service 	M Mervica socia Qual M	ID 2/2 AN 2/2 e ated DE234 ifier AN 1/48 ng DE1000	
Μ	<u>Des.</u> SI01 SI02	<u>Element</u> 559 1000	Name Agency Qualifier Code identifying t TI Service Characte Code from an indicharacteristics One or more of the value may be prese DA DC MC MI MT RP SD ST Product/Service Identifying number For a list of valid values, see Section	Code he agency assigning the code values Telecommunications Industry eristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code Message Service Type ID er for a product or service DE234 values associated with the pre on 10.4 Maintained Code List used by	M Mervica socia Qual M	ID 2/2 AN 2/2 e ated DE234 ifier AN 1/48 ng DE1000	
Μ	<u>Des.</u> SI01 SI02	<u>Element</u> 559 1000	Name Agency Qualifier Code identifying t TI Service Characte Code from an inducharacteristics One or more of the value may be prese DA DC MC MI MT RP SD ST Product/Service Identifying number For a list of valid values, see Section ETB Guideline at	 Code he agency assigning the code values Telecommunications Industry pristics Qualifier ustry code list qualifying the type of se e following DE1000 values and it's as sent within the SI segment. Directory Assistance Category Code Direction Code Message/Rate Class Special Message Information Code of Message Type Rate Period Code Settlement Code Message Service Type ID of for a product or service DE234 values associated with the pre 	M Mervica socia Qual M	ID 2/2 AN 2/2 e ated DE234 ifier AN 1/48 ng DE1000	



SI04	1000	Service Characteristics Qualifier X Al Code from an industry code list qualifying the type of service characteristics	N 2/2
		BA Band	
		CC Calling Card Number	
		DI Department Code/Customer ID Code	
		DJ Sub-Departmental ID Code	
		FN From/Originating Station Telephone Numbe	r
		PN Personal Identification Number	
		SC Service Category Code	
SI05	234	TM To/Terminating Station Telephone Number Product/Service ID X AI	1 1/10
3105	234	Identifying number for a product or service	N 1/40
		This element will contain a locally defined code associated with	one of
		the preceding DE1000 values. Examples of a locally defined v	
		include a telephone number, USOC, department code, custome	
		code, etc.	
SI06	1000		N 2/2
		Code from an industry code list qualifying the type of service	
0107		characteristics	
SI07	234		N 1/48
SI08	1000	Identifying number for a product or service Service Characteristics Qualifier X AI	N 2/2
3100	1000	Code from an industry code list qualifying the type of service	
		characteristics	
SI09	234	Product/Service ID X AI	N 1/48
		Identifying number for a product or service	
SI10	1000	Service Characteristics Qualifier X Al	N 2/2
		Code from an industry code list qualifying the type of service	
		characteristics	
SI11	234		N 1/48
SI12	1000	Identifying number for a product or service Service Characteristics Qualifier X AI	N 2/2
3112	1000	Code from an industry code list qualifying the type of service	N <i>Z Z</i>
		characteristics	
SI13	234		N 1/48
		Identifying number for a product or service	
SI14	1000	Service Characteristics Qualifier X Al	N 2/2
		Code from an industry code list qualifying the type of service	
0145		characteristics	
SI15	234		N 1/48
SI16	1000	Identifying number for a product or service Service Characteristics Qualifier X AI	N 2/2
3110	1000	Code from an industry code list qualifying the type of service	N <i>Z Z</i>
		characteristics	
SI17	234		N 1/48
		Identifying number for a product or service	



SI18	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	ervice	9
SI19	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	ervice	Э
SI21	234	Product/Service ID	Х	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:	

	D .(Data	Data Element Summary		
м	Ref. <u>Des.</u> TXI01	Data <u>Element</u> 963		<u>Attı</u> M	ributes ID 2/2
IVI		903	Tax Type Code Code specifying the type of tax ST State Sales Tax	IVI	
	TXI02	782	Monetary Amount Monetary amount	X	R 1/18
Not Used	TX103	954	Percent	Х	R 1/10
			Percentage expressed as a decimal		
Not Used	TXI04	955	Tax Jurisdiction Code Qualifier	X	ID 2/2
			Code identifying the source of the data used in tax juris	dicti	on code
Not Used	TXI05	956	Tax Jurisdiction Code	X	AN 1/10
			Code identifying the taxing jurisdiction		
Not Used	TXI06	441	Tax Exempt Code	Х	ID 1/1
			Code identifying exemption status from sales and use t	ax	
	TX107	662	Relationship Code Code indicating the relationship between entities	0	ID 1/1
			A Add		
Not Used	TXI08	828	Dollar Basis For Percent	0	R 1/9
			Dollar basis to be used in the percent calculation of the charge or tax	allo	wance,



Not Used	TXI09	325	Tax Identification Number	0	AN 1/20	
Not Used	TXI10	350	Number assigned to a purchaser (buyer, orderer) by a f jurisdiction (state, county, etc.); often called a tax exem certificate number Assigned Identification			
USEU			Alphanumeric characters assigned for differentiation within a transaction set			



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:	

Data Element Summary

	Ref.	Data	-		
	Des.	Element	Name	Att	ributes
М	QTY01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			99 Quantity Used		
	QTY02	380	Quantity	Х	R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure		
М	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being exp	ress	ed, or
			manner in which a measurement has been taken		
			2P Kilobyte		
			NF Messages		
			UN Unit		
Not	C00102	1018	Exponent	0	R 1/15
Used					
			Power to which a unit is raised		
Not	C00103	649	Multiplier	0	R 1/10
Used					
	_		Value to be used as a multiplier to obtain a new value	-	
Not	C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
Used					
			Code specifying the units in which a value is being exp	ress	ed, or
			manner in which a measurement has been taken	_	
Not	C00105	1018	Exponent	0	R 1/15
Used					
	000465		Power to which a unit is raised	~	
Not	C00106	649	Multiplier	0	R 1/10
Used			Malua to be used as a multiplicate obtain a second to		
			Value to be used as a multiplier to obtain a new value		

Value to be used as a multiplier to obtain a new value



Not Used	C00107	355	Unit or Basis for Measurement Code	0	ID 2/2	
0300			Code specifying the units in which a value is being expl	ress	essed, or	
Not Used	C00108	1018	manner in which a measurement has been taken Exponent	0	R 1/15	
Not	C00109	649	Power to which a unit is raised Multiplier	ο	R 1/10	
Used Not	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2	
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or	
Not Used	C00111	1018	Exponent	0	R 1/15	
Not Used	C00112	649	Power to which a unit is raised Multiplier	ο	R 1/10	
Not	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	ο	ID 2/2	
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or	
Not Used	C00114	1018	Exponent	0	R 1/15	
Not Used	C00115	649	Power to which a unit is raised Multiplier	0	R 1/10	
Not	QTY04	61	Value to be used as a multiplier to obtain a new value Free-Form Message	x	AN 1/30	
Used			Free-form information			



Segment: Position: Loop: Level: Usage: Max Use: Purpose:	USD Usage Sensitive Detail 620 USD Optional Detail Optional 1 To specify usage-sensitive details which of special rates	
Syntax Notes:	 Only one of USD03 or USD04 may be If USD03 is present, then at least one required. If USD04 is present, then at least one If either USD05 or USD06 is present, If USD07 is present, then both USD05 If USD10 is present, then at least one If USD11 is present, then USD10 is re If USD12 is present, then USD10 is re 	of USD06 USD07 or USD08 is of USD08 or USD09 is required. then the other is required. 5 and USD06 are required. of USD11 or USD12 is required. equired.
Semantic Notes:	 USD01 is a code indicating the relation associated segment. USD03 is the allowance or charge rate USD04 is the discount percentage. USD06 is the quantity of usage. USD07 is a quantity of usage different USD07 is present, it is used in conjunt USD03 is applied. USD09 is the total amount of terms discussed in the total amount of terms discussed. 	e per unit. t than the quantity in USD06. When ction with USD06, and then the rate
Comments:	 If both USD03 and USD08 are present If USD11 is present and USD12 is not ended. If USD12 is present and USD11 is not Data Element Summary	it, then USD08 takes precedence. t present, then the range is open
Ref. <u>Des.</u>	Data <u>Element</u> <u>Name</u>	Attributes
M USD01	662 Relationship Code	M ID 1/1

	<u>Des.</u>	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
Μ	USD01	662	Relationship Code	Μ	ID 1/1
			Code indicating the relationship between entities		
			I Included		
			O Information Only		
	USD02	350	Assigned Identification	0	AN 1/20
			Alphanumeric characters assigned for differentiation wi	thin	а
			transaction set		
	USD03	118	Rate	Х	R 1/9
			Rate expressed in the standard monetary denomination	n for	the
			currency specified		
Not	USD04	954	Percent	Х	R 1/10
Used					
			Percentage expressed as a decimal		



	USD05	C001	Composite Unit of Measure	Х	
Μ	C00101	355	To identify a composite unit of measureUnit or Basis for Measurement CodeCode specifying the units in which a value is being expmanner in which a measurement has been takenAHAdditional MinutesC0Calls (Messages)EAHRHoursMJMinutes	M ress	ID 2/2 ed, or
Not Used	C00102	1018	Exponent	0	R 1/15
Not Used	C00103	649	Power to which a unit is raised Multiplier	0	R 1/10
Not Used	C00104	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
USEU			Code specifying the units in which a value is being exp	ress	ed, or
Not Used	C00105	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not	C00106	649	Power to which a unit is raised Multiplier	0	R 1/10
Used	000100	040		U	11 17 10
Not Used	C00107	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
			Code specifying the units in which a value is being exp manner in which a measurement has been taken	ress	ed, or
Not Used	C00108	1018	Exponent	0	R 1/15
Not Used	C00109	649	Power to which a unit is raised Multiplier	0	R 1/10
Not Used	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
USEU			Code specifying the units in which a value is being exp	ress	ed, or
Not Used	C00111	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not	C00112	649	Power to which a unit is raised Multiplier	0	R 1/10
Used			Value to be used as a multiplier to obtain a new value		



Not Used	C00113	355	Unit or Basis for Measurement Code	ο	ID 2/2	
0000			Code specifying the units in which a value is being expl manner in which a measurement has been taken	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	Exponent	0	R 1/15	
Not Used	C00115	649	Power to which a unit is raised Multiplier	0	R 1/10	
	USD06	380	Value to be used as a multiplier to obtain a new value Quantity Numeric value of quantity	x	R 1/15	
Not Used	USD07	380	Quantity	Х	R 1/15	
	USD08	782	Numeric value of quantity Monetary Amount Monetary amount	x	R 1/18	
Not Used	USD09	610	Amount	X	N2 1/15	
	USD10	C001	Monetary amount Composite Unit of Measure To identify a composite unit of measure	x		
Μ	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being exp manner in which a measurement has been taken	M resse	ID 2/2 ed, or	
Not Used	C00102	1018	HR Hours Exponent	0	R 1/15	
Not Used	C00103	649	Power to which a unit is raised Multiplier	0	R 1/10	
Not Used	C00104	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	ο	ID 2/2	
			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse		
Not Used	C00105	1018	Exponent	0	R 1/15	
Not Used	C00106	649	Power to which a unit is raised Multiplier	0	R 1/10	
Not Used	C00107	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2	
2004			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or	



Not Used	C00108	1018	Exponent	0	R 1/15
Not Used	C00109	649	Power to which a unit is raised Multiplier	0	R 1/10
Not	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being expr	resse	ed, or
Not Used	C00111	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not Used	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
USEU			Code specifying the units in which a value is being expr	resse	ed, or
Not Used	C00114	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not Used	C00115	649	Power to which a unit is raised Multiplier	ο	R 1/10
0304	USD11	740	Value to be used as a multiplier to obtain a new value Range Minimum The value specifying the minimum of the measurement	X	R 1/20
			If USD11 is present and USD12 is not present, then the ended.		
	USD12	741	Range Maximum The value specifying the maximum of the measuremen If USD12 is present and USD11 is not present, the mini		



		CI			
	Segment:		rvice Characteristic Identification		
	Position:	625			
	Loop:	USD Detail	Optional		
	Level: Usage:	Optional			
	Max Use:	2			
	Purpose:		ify service characteristic data		
	Syntax Notes:		ther SI04 or SI05 is present, then the other is required.		
			ther SI06 or SI07 is present, then the other is required.		
		3 If eit	her SI08 or SI09 is present, then the other is required.		
		4 If eit	ther SI10 or SI11 is present, then the other is required.		
			ther SI12 or SI13 is present, then the other is required.		
			ther SI14 or SI15 is present, then the other is required.		
			ther SI16 or SI17 is present, then the other is required.		
			ther SI18 or SI19 is present, then the other is required.		
	Semantic Notes:	9 If eit	ther SI20 or SI21 is present, then the other is required.		
	Comments:	1 SI01	defines the source for each of the service characteristic	s au	alifiers
	Notes:		egment actually contains 21 data elements. SI01 provid		
			r Code and the other 20 data elements are matched pairs		
			/DE234 paired information is presented when the associa		
			e. The paired information may not be in the same position	onal p	placement
		as noted	I within the SI segment.		
			Data Element Summary		
	Ref.	Data			
	Ref. Des.	Data Element	Name	Attri	ibutes
М	Ref. <u>Des.</u> SI01	Data <u>Element</u> 559	<u>Name</u> Agency Qualifier Code	<u>Attri</u> M	ibutes ID 2/2
М	Des.	Element	Agency Qualifier CodeCode identifying the agency assigning the code values		
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications Industry	М	ID 2/2
M	Des.	Element	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics Qualifier	M	ID 2/2 AN 2/2
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of set	M	ID 2/2 AN 2/2
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristics	M M ervice	ID 2/2 AN 2/2
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as	M M ervice	ID 2/2 AN 2/2
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's asvalue may be present within the SI segment.CHCharge/Usage Status Code	M M ervice	ID 2/2 AN 2/2
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code Direction Code	M M ervice	ID 2/2 AN 2/2
Μ	<u>Des.</u> SI01 SI02	Element 559 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period Code	M M ervice socia	ID 2/2 AN 2/2 atted DE234
	<u>Des.</u> SI01	Element 559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID	M M ervice	ID 2/2 AN 2/2
Μ	<u>Des.</u> SI01 SI02	Element 559 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or service	M M ervice socia	ID 2/2 AN 2/2 atted DE234 AN 1/48
Μ	<u>Des.</u> SI01 SI02	Element 559 1000	Agency Qualifier CodeCode identifying the agency assigning the code values TITITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the present	M M ervice socia M	ID 2/2 AN 2/2 atted DE234 AN 1/48
Μ	<u>Des.</u> SI01 SI02	Element 559 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or service	M M ervice socia M	ID 2/2 AN 2/2 atted DE234 AN 1/48
Μ	Des. SI01 SI02 SI03	Element 559 1000 234	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the pre- values, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.asp	M M ervice socia M	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the
Μ	<u>Des.</u> SI01 SI02	Element 559 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the pre- values, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier	M ervice socia M cedir ETB	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2
Μ	Des. SI01 SI02 SI03	Element 559 1000 234	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of set	M ervice socia M cedir ETB	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2
Μ	Des. SI01 SI02 SI03	Element 559 1000 234	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics	M ervice socia M cedir ETB	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2
Μ	Des. SI01 SI02 SI03 SI04	Element 559 1000 234 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics SCService Category Code	M ervice socia M cedir ETB X ervice	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2
Μ	Des. SI01 SI02 SI03	Element 559 1000 234	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service IDIdentifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of sec characteristics SCService Category CodeProduct/Service ID	M ervice socia M cedir ETB	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2
Μ	Des. SI01 SI02 SI03 SI04	Element 559 1000 234 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service ID Identifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of secharacteristics SCService Category Code	M ervice socia M cedir ETB X ervice X	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2 AN 1/48
Μ	Des. SI01 SI02 SI03 SI04	Element 559 1000 234 1000	Agency Qualifier CodeCode identifying the agency assigning the code values TITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service IDIdentifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of sec characteristics SCScService Category CodeProduct/Service ID Identifying number for a product or serviceThis element will contain a locally defined code associal preceding DE1000 value. Examples of a locally defined	M ervice socia M cedir ETB X ervice X ted v	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2 AN 1/48 vith the
Μ	Des. SI01 SI02 SI03 SI04	Element 559 1000 234 1000	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of secharacteristicsOne or more of the following DE1000 values and it's as value may be present within the SI segment.CHCharge/Usage Status Code DCDCDirection Code RPRate Period CodeProduct/Service IDIdentifying number for a product or serviceFor a list of valid DE234 values associated with the prevalues, see Section 10.4 Maintained Code List used by ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.aspService Characteristics Qualifier Code from an industry code list qualifying the type of sec characteristics SCScService Category CodeProduct/Service ID Identifying number for a product or service	M ervice socia M cedir ETB X ervice X ted v	ID 2/2 AN 2/2 atted DE234 AN 1/48 ag DE1000 within the AN 2/2 AN 1/48 vith the



SI06	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of se characteristics	X ervico	AN 2/2 e
SI07	234	Product/Service ID Identifying number for a product or service	Х	AN 1/48
SI08	1000	Service Characteristics Qualifier	X	AN 2/2
		Code from an industry code list qualifying the type of se characteristics	ervic	e
SI09	234	Product/Service ID	Х	AN 1/48
SI10	1000	Identifying number for a product or service Service Characteristics Qualifier	х	AN 2/2
5110	1000	Code from an industry code list qualifying the type of se		-
		characteristics		6
SI11	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	е
		characteristics		
SI13	234	Product/Service ID	Х	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 se characteristics	ervic	e
SI15	234	Product/Service ID	х	AN 1/48
0115	234	Identifying number for a product or service	~	
SI16	1000	Service Characteristics Qualifier	х	AN 2/2
••		Code from an industry code list qualifying the type of se		
		characteristics	-	-
SI17	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	AN 2/2
		Code from an industry code list qualifying the type of se	ervic	е
		characteristics		
SI19	234	Product/Service ID	Х	AN 1/48
SI20	1000	Identifying number for a product or service Service Characteristics Qualifier	х	AN 2/2
3120	1000	Code from an industry code list qualifying the type of se		
		characteristics		5
SI21	234	Product/Service ID	Х	AN 1/48
2		Identifying number for a product or service		
		, , , , , , , , , , , , , , , , , , , ,		



Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	ITA Allowance, Charge or Service 630 USD Optional Detail Optional 2 To specify allowances, charges, or services 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
-	 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. ITA12 is the quantity of free goods.
Comments:	 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. ITA02 identifies the source of the code value in ITA03 or ITA15. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

			Data Element Gummary				
	Ref.	Data					
	Des.	Element	Name	Att	ributes		
М	ITA01	248	Allowance or Charge Indicator	Μ	ID 1/1		
			Code which indicates an allowance or charge for the service specified				
			A Allowance		•		
			N No Allowance or Charge				
	ITA02	559	Agency Qualifier Code	Х	ID 2/2		
			Code identifying the agency assigning the code values				
			TI Telecommunications Industry				
Not Used	ITA03	560	Special Services Code	Х	ID 2/10		
			Code identifying the special service				
М	ITA04	331	Allowance or Charge Method of Handling Code	М	ID 2/2		
			Code indicating method of handling for an allowance or charge				
			04 Credit Customer Account		0		
			ZZ Mutually Defined				
Not Used	ITA05	341	Allowance or Charge Number	0	AN 1/16		
			The number assigned by a vendor referencing an allowance, promotion, deal or charge				



Not Used	ITA06	359	Allowance or Charge Rate	0	R 1/15			
	ITA07	360	Allowance or Charge Rate per Unit Allowance or Charge Total Amount	0	N2 1/15			
Not Used	ITA08	378	Total dollar amount for the allowance or charge Allowance/Charge Percent Qualifier	0	ID 1/1			
			Code indicating on what basis allowance or charge percenter of the calculated	•				
	ITA09	332	Percent Percent expressed as a percent	Х	R 1/6			
Not Used	ITA10	380	Quantity	Х	R 1/15			
Not Used	ITA11	355	Numeric value of quantity Unit or Basis for Measurement Code	x	ID 2/2			
USEU			Code specifying the units in which a value is being exp manner in which a measurement has been taken	pecifying the units in which a value is being expressed, or				
Not Used	ITA12	380	Quantity	X	R 1/15			
	ITA13	352	Numeric value of quantity	х	AN 1/80			
Not Used	11A13	352	Description					
			A free-form description to clarify the related data elements and their content					
	ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance	Х	ID 3/3			
			For a list of valid DE150 values, see Section 10.4 Maintained Code List used by ETB within the ETB Guideline at the following website: http://www.atis.org/obf/etbguid_Iss9_Rev3.asp					
Not Used	ITA15	822	Source Subqualifier	0	AN 1/15			
Used			A reference that indicates the table or text maintained by the Source Qualifier					
	ITA16	662	Relationship Code Code indicating the relationship between entities I Included O Information Only	0	ID 1/1			
Not	ITA17	355	Unit or Basis for Measurement Code	0	ID 2/2			
Used			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or			



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.

	Ref.	Data	Data Liement Summary		
	Des.	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
М	TRF01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			AE Minimum Average Time Requireme	nt (N	/IATR) Units
М	TRF02	C001	Composite Unit of Measure	Μ	
			To identify a composite unit of measure		
Μ	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being exp	resse	ed, or
			manner in which a measurement has been taken MJ Minutes		
Not	C00102	1018	Exponent	0	R 1/15
Used	000102	1010	Exponent	Ŭ	
0000			Power to which a unit is raised		
Not	C00103	649	Multiplier	0	R 1/10
Used					
			Value to be used as a multiplier to obtain a new value		
Not	C00104	355	Unit or Basis for Measurement Code	0	ID 2/2
Used			• • • • • • • • • • • • • • • •		
			Code specifying the units in which a value is being exp	resse	ed, or
Not	C00105	1018	manner in which a measurement has been taken	0	R 1/15
Used	C00105	1010	Exponent	U	K 1/15
USEU			Power to which a unit is raised		
Not	C00106	649	Multiplier	0	R 1/10
Used		••••		•	
			Value to be used as a multiplier to obtain a new value		
Not	C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
Used					
			Code specifying the units in which a value is being exp	resse	ed, or
			manner in which a measurement has been taken		



Not Used	C00108	1018	Exponent	0	R 1/15
Not	C00109	649	Power to which a unit is raised Multiplier	ο	R 1/10
Used Not	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being exp	resse	ed, or
Not Used	C00111	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	0	R 1/10
Not	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being exp	resse	ed, or
Not Used	C00114	1018	manner in which a measurement has been taken Exponent	0	R 1/15
	C00115	649	Power to which a unit is raised	ο	R 1/10
Not Used	C00115	049	Multiplier	U	R 1/10
М	TRF03	380	Value to be used as a multiplier to obtain a new value Quantity	м	R 1/15
М	TRF04	C001	Numeric value of quantity Composite Unit of Measure	М	
Μ	C00101	355	To identify a composite unit of measure Unit or Basis for Measurement Code Code specifying the units in which a value is being exp manner in which a measurement has been taken	M ress	ID 2/2 ed, or
			C0 Calls (Messages)		
Not Used	C00102	1018	Exponent	0	R 1/15
Not Used	C00103	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not Used	C00104	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
USEU			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or



Not Used	C00105	1018	Exponent	0	R 1/15
Not Used	C00106	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not Used	C00107	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
USeu			Code specifying the units in which a value is being expl manner in which a measurement has been taken	resse	ed, or
Not Used	C00108	1018	Exponent	0	R 1/15
Not Used	C00109	649	Power to which a unit is raised Multiplier	ο	R 1/10
Not Used	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	ο	ID 2/2
USEU			Code specifying the units in which a value is being expl manner in which a measurement has been taken	resse	ed, or
Not Used	C00111	1018	Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	0	R 1/10
Not Used	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
0304			Code specifying the units in which a value is being expl manner in which a measurement has been taken	resse	ed, or
Not Used	C00114	1018	Exponent	0	R 1/15
Not Used	C00115	649	Power to which a unit is raised Multiplier	0	R 1/10
M	TRF05	380	Value to be used as a multiplier to obtain a new value Quantity Numeric value of quantity	М	R 1/15



Segment:	QTY Quantity
Position:	650
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	 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:	
	Data Element Summary
Ref.	Data

	Des.	Element	Name	Attr	ibutes
м	QTY01	673	Quantity Qualifier	M	ID 2/2
			Code specifying the type of quantity		
			92 Allotted Usage Quantity		
			94 Billable Quantity		
			99 Quantity Used		
			AE Minimum Average Time Requireme	nt (M	IATR) Units
	QTY02	380	Quantity	X	R 1/15
			Numeric value of quantity		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure		
Μ	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being expl	esse	ed, or
			manner in which a measurement has been taken		
			C0 Calls (Messages)		
			HR Hours		
			MJ Minutes		
			UB Telecommunications Lines in Servic		
			UF Usage per Telecommunications Line	-	-
Not	C00102	1018	Exponent	0	R 1/15
Used			Device to which a well is acted		
Nat	000400	C 40	Power to which a unit is raised	~	D 4/40
Not	C00103	649	Multiplier	0	R 1/10
Used			Value to be used as a multiplicate obtain a neurophysic		
Not	C00104	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	•	ID 2/2
Not	C00104	300	Unit of Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being expl		d or
			manner in which a measurement has been taken	6226	u, 01
Not	C00105	1018	Exponent	ο	R 1/15
Used	000105	1010	Exponent	U	IX 1/13
UJCU			Power to which a unit is raised		
Not	C00106	649	Multiplier	0	R 1/10
Used	000100	VTV	maniphot	Ŭ	
0000			Value to be used as a multiplier to obtain a new value		



Not Used	C00107	355	Unit or Basis for Measurement Code	0	ID 2/2
oscu			Code specifying the units in which a value is being expl	ress	ed, or
Not Used	C00108	1018	manner in which a measurement has been taken Exponent	0	R 1/15
Not	C00109	649	Power to which a unit is raised Multiplier	ο	R 1/10
Used Not	C00110	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or
Not Used	C00111	1018	Exponent	0	R 1/15
Not Used	C00112	649	Power to which a unit is raised Multiplier	0	R 1/10
Not	C00113	355	Value to be used as a multiplier to obtain a new value Unit or Basis for Measurement Code	0	ID 2/2
Used			Code specifying the units in which a value is being expl manner in which a measurement has been taken	ress	ed, or
Not Used	C00114	1018	Exponent	0	R 1/15
Not Used	C00115	649	Power to which a unit is raised Multiplier	0	R 1/10
Not	QTY04	61	Value to be used as a multiplier to obtain a new value Free-Form Message	x	AN 1/30
Used			Free-form information		



Segment:	TDS Total Monetary Value Summary
Position: Loop:	010
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	
	Ref.	Data		
	Des.	<u>Element</u>	Name	<u>Attributes</u>
М	TDS01	610	Amount	M N2 1/15
			Monetary amount	
Not	TDS02	610	Amount	O N2 1/15
Used				
			Monetary amount	
Not	TDS03	610	Amount	O N2 1/15
Used				
			Monetary amount	
Not	TDS04	610	Amount	O N2 1/15
Used				
			Monetary amount	



Segment: Position: Loop: Level: Usage: Max Use:	ITA Allowance, Charge or Service 020 ITA Optional Summary Optional 1
Purpose: Syntax Notes:	To specify allowances, charges, or services 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
Syntax Notes.	 If ITA02 is present, then ITA09 is required. If either ITA10 or ITA11 is present, then the other is required. If ITA15 is present, then ITA02 is required. If ITA15 is present, then ITA02 is required. If ITA17 is present, then ITA12 is required.
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:	 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06,
	 ITA07, or ITA08 must be present. ITA02 identifies the source of the code value in ITA03 or ITA15. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

			Data Liement Summary		
	Ref.	Data			
	Des.	Element	Name	Attr	ributes
м	ITA01	248	Allowance or Charge Indicator	M	ID 1/1
IAI	ITAUI	240	-		
			Code which indicates an allowance or charge for the se	rvice	e specified
			A Allowance		
			C Charge		
	ITA02	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
NL-1	17400	500		v	
Not	ITA03	560	Special Services Code	Х	ID 2/10
Used					
			Code identifying the special service		
Μ	ITA04	331	Allowance or Charge Method of Handling Code	Μ	ID 2/2
			Code indicating method of handling for an allowance or	cha	rae
			04 Credit Customer Account	00.	
	17405			~	
	ITA05	341	Allowance or Charge Number	Ο	AN 1/16
			The number assigned by a vendor referencing an allow	ance	Э,
			promotion, deal or charge		
Not	ITA06	359	Allowance or Charge Rate	0	R 1/15
Used			·····	5	
USEU			Allowance of Charge Date nor Unit		
			Allowance or Charge Rate per Unit		



	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	0	N2 1/15
Not Used	ITA08	378	Allowance/Charge Percent Qualifier	0	ID 1/1
Useu			Code indicating on what basis allowance or charge pero calculated	cent	is
Not Used	ITA09	332	Percent	X	R 1/6
Not	ITA10	380	Percent expressed as a percent Quantity	x	R 1/15
Used			Numeric value of quantity		
Not Used	ITA11	355	Unit or Basis for Measurement Code	X	ID 2/2
0000			Code specifying the units in which a value is being exp manner in which a measurement has been taken	ress	ed, or
Not Used	ITA12	380	Quantity	X	R 1/15
Not	ITA13	352	Numeric value of quantity Description	х	AN 1/80
Used			A free-form description to clarify the related data eleme	ents	and their
		450	content		
	ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance For a list of valid DE150 values, see Section 10.4 Main used by ETB within the ETB Guideline at the following		
			http://www.atis.org/obf/etbguid_lss9_Rev3.asp		
Not Used	ITA15	822	Source Subqualifier	0	AN 1/15
			A reference that indicates the table or text maintained to Qualifier	by th	e Source
	ITA16	662	Relationship Code	0	ID 1/1
			Code indicating the relationship between entities A Add		
Not Used	ITA17	355	O Information Only Unit or Basis for Measurement Code	0	ID 2/2
0350			Code specifying the units in which a value is being exp manner in which a measurement has been taken	ress	ed, or



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:	 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
A	

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Attr	ibutes
М	DTM01	374	Date/Time Qualifier	М	ID 3/3
	Dimoi	014	Code specifying type of date or time, or both date and t		12 0/0
			007 Effective	IIIIC	
	DTM02	373	Date	Х	DT 8/8
			Date expressed as CCYYMMDD		
Not	DTM03	337	Time	Х	TM 4/8
Used					
			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	DTM04	623	Time Code	0	ID 2/2
Used					
			Code identifying the time. In accordance with Internatio Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted the codes that follow	i + oi nate	r - and an (UTC) time;
Not	DTM05	1250	Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted	i + oi nate	r - and an (UTC) time;
Not Used	DTM05	1250	Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted the codes that follow	n + oi nate by F	r - and an (UTC) time; P and M in
	DTM05	1250	Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted the codes that follow Date Time Period Format Qualifier	n + or nate by F X	r - and an (UTC) time; P and M in ID 2/3
	DTM05 DTM06		Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted the codes that follow	n + or nate by F X	r - and an (UTC) time; P and M in ID 2/3 ne format
Used		1250 1251	Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordin since + is a restricted character, + and - are substituted the codes that follow Date Time Period Format Qualifier Code indicating the date format, time format, or date ar	n + or nate by F X nd tir X	r - and an (UTC) time; ^o and M in ID 2/3 ne format 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:	 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.
A	

	- <i>i</i>	D (Data Element Summary		
	Ref.	Data		_	
	Des.	<u>Element</u>	Name		<u>ributes</u>
Μ	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			12 Billing Account		
	REF02	127	Reference Identification	Х	AN 1/30
			Reference information as defined for a particular Trans	sactic	on Set or as
			specified by the Reference Identification Qualifier		
Not	REF03	352	Description	Х	AN 1/80
Used					
			A free-form description to clarify the related data eleme	ents a	and their
			content		
Not	REF04	C040	Reference Identifier	0	
Used					
			To identify one or more reference numbers or identification numbers as		
			specified by the Reference Qualifier		
Not	C04001	128	Reference Identification Qualifier	Μ	ID 2/3
Used					
			Code qualifying the Reference Identification		
Not	C04002	127	Reference Identification	Μ	AN 1/30
Used					
			Reference information as defined for a particular Trans	sactic	on Set or as
			specified by the Reference Identification Qualifier		
Not	C04003	128	Reference Identification Qualifier	Х	ID 2/3
Used					
			Code qualifying the Reference Identification		
Not	C04004	127	Reference Identification	Х	AN 1/30
Used					_
			Reference information as defined for a particular Trans	sactic	on Set or as
			specified by the Reference Identification Qualifier		



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3	
Not Used	C04006	127	Code qualifying the Reference Identification Reference Identification	x	AN 1/30	
			Reference information as defined for a particular Transaction specified by the Reference Identification Qualifier			



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 Ref. Data Element Name Des. **Attributes** BAL01 Μ Balance Type Code M ID 1/2 951 Code indicating the type of balance Adjustment А Μ Current Month Р Previous Month Μ BAL02 522 **Amount Qualifier Code** M ID 1/3 Code to qualify amount ΒT Bank Reject Total NA Net Adjustment PΒ Billed Amount TΡ Total payment amount **Total Transaction Amount** TΤ Μ BAL03 782 **Monetary Amount** M R 1/18 Monetary amount



F F Synta Semanti	Gegment: Position: Loop: Level: Usage: Max Use: Purpose: Dax Notes: To Notes: mments:	060 N1 0 Summar Optional 1 To identi 1 At le 2 If eit 1 This orga mus party	ify a party by type o east one of N102 or her N103 or N104 i segment, used alo nizational identifica t provide a key to th y.	of organization, name, and code N103 is required. is present, then the other is required. ne, provides the most efficient methor ation. To obtain this efficiency the "ID he table maintained by the transaction define the type of entity in N101.	Code	e" (N104)
			Data Elomo	ant Summary		
М	Ref. <u>Des.</u> N101	Data <u>Element</u> 98	Name Entity Identifier (Code identifying a or an individual 87	n organizational entity, a physical loca Pay-to Provider	Μ	ibutes ID 2/3 , property
	N102	93	SJ Name	Service Provider	х	AN 1/60
	INTUZ	33	Free-form name		^	AN 1/00
	N103	66	Identification Code 41 42 91	the system/method of code structure e (67) Telecommunications Carrier Identific Telecommunications Pseudo Carrier Code Assigned by Seller or Seller's Agent	ation Ider	n Code htification
	N104	67	Identification Co	party or other code	Х	AN 2/80
Not Used	N105	706	Entity Relationsh	ip Code	0	ID 2/2
Not Used	N106	98	Code describing e Entity Identifier (Code identifying a or an individual		O ation	ID 2/3 , property



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:	

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



Segment: Position: Loop: Level: Usage: Max Use:	ITA Allowance, Charge or Service 090 ITA Optional Summary Optional 1
Purpose: Syntax Notes:	To specify allowances, charges, or services 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.
Syntax Notes:	 If ITA02 is present, then ITA09 is required. If either ITA10 or ITA11 is present, then the other is required. If ITA15 is present, then ITA02 is required. If ITA17 is present, then ITA12 is required.
Semantic Notes:	 ITA09 is the allowance or charge percent. ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
Comments:	 ITA12 is the quantity of free goods. If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. ITA02 identifies the source of the code value in ITA03 or ITA15. If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. ITA13 is used to clarify the allowance, charge, or service. ITA15 specifies the individual code list of the agency specified in ITA02. ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

			Data Liement Summary		
	Ref.	Data			
	_		Name	A ++ 1	ributes
	Des.	Element			
М	ITA01	248	Allowance or Charge Indicator	Μ	ID 1/1
			Code which indicates an allowance or charge for the se	rvice	e specified
			A Allowance		
			C Charge		
	ITA02	559	Agency Qualifier Code	х	ID 2/2
	IT AUZ	333	• •	~	
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
Not	ITA03	560	Special Services Code	Х	ID 2/10
Used					
			Code identifying the special service		
М	ITA04	331	Allowance or Charge Method of Handling Code	м	ID 2/2
	117104	001	Code indicating method of handling for an allowance or		
				una	iye
			04 Credit Customer Account		
			06 Charge to be Paid by Customer		
	ITA05	341	Allowance or Charge Number	0	AN 1/16
			The number assigned by a vendor referencing an allow	ance	Э.
			promotion, deal or charge		
Not	ITA06	359		0	R 1/15
	II AUO	339	Allowance or Charge Rate	U	K 1/15
Used					
			Allowance or Charge Rate per Unit		
			-		



	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge		N2 1/15
Not Used	ITA08	378	Allowance/Charge Percent Qualifier	0	ID 1/1
			Code indicating on what basis allowance or charge per calculated	cent	is
Not Used	ITA09	332	Percent	Х	R 1/6
Not Used	ITA10	380	Percent expressed as a percent Quantity	x	R 1/15
Not Used	ITA11	355	Numeric value of quantity Unit or Basis for Measurement Code	x	ID 2/2
0004			xpressed, or		
Not Used	ITA12	380	manner in which a measurement has been taken Quantity	X	R 1/15
	ITA13	352	Numeric value of quantity Description A free-form description to clarify the related data element	X ents a	AN 1/80 and their
	ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance	X	ID 3/3
			For a list of valid DE150 values, see Section 10.4 Main used by ETB within the ETB Guideline at the following http://www.atis.org/obf/etbguid_Iss9_Rev3.asp		
Not Used	ITA15	822	Source Subqualifier	0	AN 1/15
0304			A reference that indicates the table or text maintained b Qualifier	by th	e Source
	ITA16	662	Relationship Code Code indicating the relationship between entities O Information Only	0	ID 1/1
Not Used	ITA17	355	Unit or Basis for Measurement Code	ο	ID 2/2
0350			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or



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:	 At least one of DTM02 DTM03 or DTM05 is required.
	2 If DTM04 is present, then DTM03 is required.
	3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:	
Semantic Notes.	

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	ributes
Μ	DTM01	374	Date/Time Qualifier	Μ	ID 3/3
			Code specifying type of date or time, or both date and	time	
			007 Effective		
	DTM02	373	Date	Х	DT 8/8
			Date expressed as CCYYMMDD		
Not	DTM03	337	Time	Х	TM 4/8
Used					
			Time expressed in 24-hour clock time as follows: HHM or HHMMSSD, or HHMMSSDD, where H = hours (00-2	23), N	A = minutes
			(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD =		
Nat		600	hundredths (00-99)	~	
Not	DTM04	623	Time Code	0	ID 2/2
Used			Code identifying the time. In accordance with Internation Organization standard 8601, time can be specified by a indication in hours in relation to Universal Time Coordi since + is a restricted character, + and - are substituted the codes that follow	a + o nate	r - and an (UTC) time;
Not	DTM05	1250	Date Time Period Format Qualifier	Х	ID 2/3
Used					
			Code indicating the date format, time format, or date a		
Not Used	DTM06	1251	Date Time Period	Х	AN 1/35
			Expression of a date, a time, or range of dates, times of times	or dat	tes and



Segment:	REF Reference Identification
Position:	105
Loop:	ITA Optional
Level:	Summary
Usage:	Optional
Max Use:	5
Purpose:	To specify identifying information
Syntax Notes:	 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.

			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>	<u>Attr</u>	<u>ributes</u>
Μ	REF01	128	Reference Identification Qualifier	Μ	ID 2/3
			Code qualifying the Reference Identification		
			12 Billing Account		
	REF02	127	Reference Identification	Х	AN 1/30
			Reference information as defined for a particular Trans	actic	
			specified by the Reference Identification Qualifier		
Not	REF03	352	Description	х	AN 1/80
Used		001		~	/
0000			A free-form description to clarify the related data eleme	onts :	and their
			content	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Not	REF04	C040	Reference Identifier	0	
Used		0040		Ŭ	
0300			To identify one or more reference numbers or identification	ation	numbere as
			specified by the Reference Qualifier		
Not	C04001	128	Reference Identification Qualifier	м	ID 2/3
Used	004001	120		141	10 2/3
USeu			Code qualifying the Reference Identification		
Not	C04002	127	Reference Identification	м	AN 1/30
Used	C04002	121	Reference identification	IVI	AN 1/30
Useu			Reference information as defined for a particular Trans	octic	n Sot or oc
			specified by the Reference Identification Qualifier	actic	Set of as
Not	C04003	128	Reference Identification Qualifier	х	ID 2/3
Used	004003	120		~	10 2/3
0360			Code qualifying the Reference Identification		
Not	C04004	127	Code qualifying the Reference Identification Reference Identification	х	AN 1/30
	C04004	121	Reference identification	^	AN 1/30
Used			Potoronce information as defined for a particular Trans	tic	n Sot or oc
			Reference information as defined for a particular Trans	actic	on Set OF as
			specified by the Reference Identification Qualifier		



Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
Not Used	C04006	127	Code qualifying the Reference Identification Reference Identification	x	AN 1/30
			Reference information as defined for a particular Transaction Set or specified by the Reference Identification Qualifier		



Semar	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: ntic Notes: comments: Notes:	115 Summa Optiona 1 To trans 1 If eir 2 If eir 1 This com	T smit a hash total for a specific element in the transaction ther CTT03 or CTT04 is present, then the other is require ther CTT05 or CTT06 is present, then the other is require s segment is intended to provide hash totals to validate to pleteness and correctness. The of line items (CTT01) is the accumulation of the num	ed. ed. ransa	
			Data Element Summary		
	Ref.	Data			
м	<u>Des.</u> CTT01	Element 354	<u>Name</u> Number of Line Items	<u>Attı</u> M	<u>ibutes</u> N0 1/6
IVI	CITUT	554	Total number of line items in the transaction set	IVI	
			Number of IT1 segments in this transaction set.		
Not Used	CTT02	347	Hash Total	0	R 1/10
			Sum of values of the specified data element. All values element will be summed without regard to decimal poir implicit) or signs. Truncation will occur on the left most is greater than the maximum size of the hash total of th Example:0018 First occurrence of value being hashe occurrence of value being hashed. 1.8 Third occurrenc hashed. 18.01 Fourth occurrence of value being hashe Hash total prior to truncation. 855 Hash total after trunc digit field.	nts (e digit ne da d1 e of v d	xplicit or s if the sum ta element. 8 Second value being 1855 n to three-
Not Used	CTT03	81	Weight	Х	R 1/10
Not Used	CTT04	355	Numeric value of weight Unit or Basis for Measurement Code Code specifying the units in which a value is being exp	X	ID 2/2 ed, or
			manner in which a measurement has been taken		
Not Used	CTT05	183	Volume	Х	R 1/8
USEU			Value of volumetric measure		
Not	CTT06	355	Unit or Basis for Measurement Code	Х	ID 2/2
Used			Code specifying the units in which a value is being exp manner in which a measurement has been taken	resse	ed, or
Not	CTT07	352	Description	0	AN 1/80
Used			A free-form description to clarify the related data eleme	ents a	and their



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	
	Ref.	Data		
	Des.	Element	Name	<u>Attributes</u>
Μ	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction se and SE segments	t including ST
М	SE02	329	Transaction Set Control Number Identifying control number that must be unique within t set functional group assigned by the originator for a tra	