EXHIBIT OSS – 20

Local Exchange Ordering (LEO) Guide, Vol. 4

LEO-IG Vol ume 4 Issue 7F

Bell South Tel ecommunications EDI Central

EDI Documentation for Issue 7

Revision History Tabl e of Contents EDI Overview Transaction Sets 850 860 855 865 997 SOFC Codes Testing Guidel ines

October, 1999

EDI LEO-IG VOLUME 4 REVISION HISTORY

AFFECTED DOCUMENTS/ TRANSACTION SETS	REVISION DATE	PAGE #	REVISION(S)	REASON FOR REVISION(S)
LEO-IG Volume 4	Sep-98	All	Updated all headers and footers; table of contents; document issue and numbering convention; added a revision history; added a guide description	Clarification & changes made to entire document to comply with National OBF Standards and to simplify CLEC access to EDI documentation on the BST Website.
LEO-IG Volume 4	Oct-98	All	Updated All Headers & footers; document iss. Number; Revised 850 Transaction Set, (page 16 & 17) & 860 Transaction Set (page 15 & 16.	Add new SI header Service Characteristics Qualifier Code for data element 1000 and new Product/Service ID for date element 234: <i>UC</i> <i>Code for Basic Class of Service (BCS)</i>
	Nov-98	All	Updated to Issue 7c	
EDI LEO-IG Vol. 4 Revision History		All	Revised Chart Headings	For clarity regarding ongoing changes/revisions to document
EDI Guide Description		2	Changed 855 & 865 descriptions	To include pending order status notification
EDI Overview		5	Changed 855 & 865 descrptions	To include pending order status notification
855 Purchase Order Acknowledgment		7, 15, 16	Added specifications which impacted the following EDI header data segments: BAK, N9, and MSG	Specifications for EDI transmission of pending order status information
		8	Changed qualifier for RORD in REF segment from IV to 1V	To correct previous error
865 Purchase Order Acknowledgment/Request		8, 17, 18	Added specifications which impacted the following EDI header data segments: BCA, N9, and MSG	Specifications for EDI transmission of pending order status information
		10	Changed qualifier for RORD in REF segment for IV to 1V	To correct previous error
TCIF Service Order Feature Code (SOFC)		All	Inclusion of entire document into LEO IG Volume 4	Additional information for Vol. 4 that was left out of the original conversion of EDI information from Vol. 1 to Vol. 4.
850 Transaction Set 860 Transaction Set	Jan-99	11, 34 10, 32	Addition of specifications for data elements AN and ATN in REF header segment and for EAN and EATN in N1/REF header segment	Enhanced system functionality
855 Transaction Set 865 Transaction Set		9 10	Addition of specifications for data elements AN and ATN in REF header segment	
850 Transaction Set 860 Transaction Set	June-99	44 44	Addition of N103=41 qualification for PIC and LPIC fields	To correct previous error
850 Transaction Set 860 Transaction Set		51-55 50-54	Notation that all End User fields at the detail level are not currently valid at BellSouth.	Clarification of business rules
Testing Guidelines	July-99	App. A	Added 2 nd page to EDI Profile Sheet/CLEC Information—Marked Issue as 7e1.	Requested by NCS/LCSC

AFFECTED DOCUMENTS/ TRANSACTION SETS	REVISION DATE	PAGE #	REVISION(S)	REASON FOR REVISION(S)
850 Transaction Set 860 Transaction Set	Oct-99	52 51	Notation that SICCODE at the detail level is not currently valid at BellSouth	To correct previous error
865 Transaction Set		8	Change: If BCA01=06 and BCA02=RD then acknowledgment type = Reject (<u>860</u> required)	To correct previous error
Testing Guidelines		App. B	Changed EDI Contact Name/Phone Number	Provide current information
Cover Page			Changed title to reflect "Issue 7" and to reflect current documents included on website	For clarification
Revision History/Guide Description		All	Consolidated Guide Description into Table of Contents	For consistency and clarification
LEO-IG Volume 4		All	Updated all headers and footers	For consistency and clarification

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EDI OVERVIEW

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1.0 EDI OVERVIEW

- 1.1 Electronic Data Interchange (EDI) is defined as the computer application to computer application exchange of business documents in a standard format. EDI is a means for companies to exchange business documents via one computer to another computer over a communications path.
- 1.2 Companies that exchange transactions using EDI are called trading partners. Trading partners must define the business information that is necessary to transact business. This information is then encoded to fit a standard EDI transaction set for data transmission. EDI requires the use of industry standards that define the format and the data content of the business transaction. This allows each trading partner's system to clearly understand the transaction expected and the data necessary to conduct that transaction.
- 1.3 In the case of Local Exchange Ordering with BellSouth, if a trading partner desires to make a purchase electronically via EDI, the 850 Purchase Order Transaction Set would be used. Required data such as contact and billing information, type of service ordered, service features, etc., are transmitted by way of an 850 Transaction Set document using pre-defined data segments and data elements.
- 1.4 There are three basic components of EDI:
 - Standards
 - Software
 - Communications

<u>Standards</u>, developed by American National Standards Institute (ANSI) Accredited Standards X12 Committee (ASC), are utilized within the EDI environment. As a committee of the Alliance of Telecommunications Industry Solutions (ATIS), the Telecommunications Industry Forum (TCIF) acts to ensure that the ANSI ASC X12 standards used appropriately address the business needs within the ted-communications industry. TCIF acts as a guideline setting organization to promote understanding and implementation of these standards and the use of technology for the execution of electronic data interchange. Four EDI sub-committees of TCIF develop proposed EDI transaction sets and/or implementation guidelines for use within the industry.

• Financial EDI

- Procurement
- Telephone Bill Work Group
- Service Order Sub-committee (SOSC)

Software, the second component of EDI, is ordinarily referred to as translation software or "the translator." The translator is a data formatter that executes rules dictating translation processing of documents (purchase orders, invoices, etc.). It is the EDI system

component responsible for converting data between an internal application (such as BellSouth's Local Exchange Ordering System) and an industry standard format. At BellSouth, Harbinger Corporation EDI SeriesTM products are used by BellSouth's EDI group to manage EDI translations. Each trading partner is reponsible for maintaining their "translator" software in accordance with ANSI ASC X12 standards, unless otherwise required by telecommunications industry business rules.

A related software solution for local exchange ordering at BellSouth is the Harbinger TrustedLink CommerceTM PC package. The TrustedLink CommerceTM PC package provides a data entry point for ordering information. The PC package software converts data entries into the proper EDI format before submission to the BellSouth EDI translator. Returned information from BellSouth (firm order confirmations, completion notices, and notification of errors) can be displayed and reviewed via the PC package.

The third component of EDI, <u>Communications</u>, is the means for transmitting the EDI message (document) containing the EDI data. BellSouth currently has the capability to connect and transmit EDI documents via three methods-INDIAL, VAN-to-VAN, and CONNECT:DirectTM-all described below.

2.0 EDI COMMUNICATIONS

2.1 INDIAL Directly to BellSouth

A Gateway Communication product allows trading partners to dial into BellSouth's EDI Gateway and drop off and retrieve documents that belong to them. Trading Partners selecting this method for EDI communications with BellSouth are assigned a logon ID and password for their mailbox, which must be sent at logon time. The telephone number used for INDIAL is a Birmingham, Alabama local telephone number which is connected to a bank of BellSouth's AT&T Paradyne Comsphere 3810 PLUS V.34 modems.

AT&T Paradyne has provided a list of modem brands that were successfully tested against the Comsphere 3810 PLUS modem during its Beta testing. Those passing tests in synchronous dial mode are: Comsphere 3810, Comsphere 3800 PLUS V.34 Series, UDS V 3400, and UDS V 3229. Other modems may work, but are unproved. Current modem requirements for in-dial service are:

- Acceptable speeds are 4800 14.4 baud
- By-sync protocol

2.2 Value Added Network Service

BellSouth uses Harbinger VAN service as its primary Value Added Network (VAN) service. BellSouth trading partners, however, may subscribe to any VAN of their choice. Most registered VANs provide interconnection among themselves so that data can be transferred to the appropriate trading partner VAN. BellSouth would like to note, however, that interconnection may cause slower delivery of documents; these conditions must be recognized and considered if guaranteed time delivery of documents is critical.

Trading partners are responsible for their own delivery method to their VANof choice; most VANs can accommodate various methods of connectivity to their services.

2.3 <u>CONNECT:DirectTM (formerly Network Data Mover [NDM])</u>

CONNECT:Direct[™] is a file transfer product developed by Sterling Software. BellSouth trading partners selecting this communications option must provide a dedicated line between their facility and BellSouth's EDI Gateway. CONNECT:Direct[™] at BellSouth requires that the trading partner is licensed by Sterling Software to use this product and that both BellSouth and the trading partner have the same version of CONNECT:Direct[™] installed.

BellSouth is currently running the mainframe version of this product, although this product is available on multiple platforms. BellSouth presently has working solutions with CONNECT:DirectTM trading partners using the following platforms:

<u>SNA</u>			
IBM MVS	DEC VAX	MS-DOS-Based PC	SUN UNIX (in test)
IBM AS/400	IBM VSE	IBM RS/6000	
TCP/IP			
IBM MVS	Tandem	IBM RS/6000 (in test)	HP UNIX
W. I. NT			
windows IN I	SUN UNIX (in	test)	

3.0 EDI TRANSACTION SETS/DATA ELEMENTS

3.1 As stated earlier, to transmit the appropriate data via EDI, specific EDI transaction sets and data elements are used. The data elements are described in detail on individual data element sheets found throughout the various sections of this implementation guide reflecting BellSouth usage rules. For the most part, the data element characteristics and valid entries detailed on each sheet are the exact rules to be followed when transmitting data via EDI. There are, however, a few instances where EDI translator rules dictate a different transmission. These few exceptions are listed on the appropriate data segment pages in the specific EDI Transaction Set sections of this LEO Implementation Guide.

Note: It is imperative that trading partners closely coordinate their ordering systems based on the *BellSouth Local Exchange Ordering Implementation Guide's* usage rules. Also,

trading partner EDI systems should be coordinated with the EDI specifications as published in this document.

- 3.2 The five EDI Transaction Sets employed by BellSouth for Local Exchange Ordering are listed below. Detailed EDI specifications for the 850, 855, 860, 865 and 997 transaction sets are provided.
 - **850 Purchase Order** is used by a trading partner oplace a local exchange order.
 - **855 Purchase Order Acknowledgment** is sent by BellSouth to indicate a Firm Order Confirmation (FOC) or to notify a trading partner of a pending order status change, a reject or where clarification is required.
 - **860 Purchase Order Change Request** is used by a trading partner to make a change to a local exchange order.
 - **865 Purchase Order Change Acknowledgment** is used by BellSouth to provide a trading partner a Firm Order Confirmation for an order that has been changed (860 type) or as a completion notice. It is also used to notify a trading partner of a pending order status change, a reject, or where clarification is required.
 - **997 Functional Acknowledgments** are transmitted between BellSouth and its trading partners for notification purposes. Receipt of any 850, 860, 855, or 865 transaction set by BellSouth or a trading partner requires a 997 transaction set as an acknowledgment. BellSouth 997s indicate whether the transaction set was accepted or rejected; in the case of rejected 997s the nature of the error is provided.
- 3.3 How data is transferred from one computer to another via EDI transaction sets implies an understanding of EDI standards and syntactical rules. Each transaction set used in local exchange ordering with BelSouth has fixed specifications that show where and how, within the document (transaction set), each element of data is transferred. These EDI specifications are presented in separate sections of this implementation guide, labeled by the name of the transaction set.

4.0 INTRODUCTION TO USING EDI

- 4.1 In addition to the BellSouth EDI specifications in this implementation guide, the following brief EDI explanation is offered to aid users in understanding how EDI data is transferred. Using this information, along with the transaction set specifications should provide the basic understanding needed.
- 4.2 Transaction sets are separated into three areas: Header, Detail, and Summary. Within the Header and Detail areas, the usage of specific data segments and dat elements is dependent upon the type of information being transferred. The Header and Detail areas also contain looping areas, where groupings of information can be sent. The Summary area data segment and data elements are common to all transaction sets the information contained is, as the name suggests, summary type information.

The number of times a segment, loop, or data element can be used is dictated by a combination of the ANSI ASC X12 EDI standards and the BellSouth usage rules that apply.

- 4.3 Each EDI data segment has a specific purpose. There are data segments that contain reference numbers, date/time references, identification of service characteristics, product/item descriptions, name information, address information, etc. Each data segmen and its data elements has its own set of EDI usage and syntactical rules that apply. They are listed in the EDI transaction set specifications. The specifications, along with the BellSouth usage rules listed on the individual data element sheets (provded elsewhere in this implementation guide) provide the necessary information for the user to understand how information is to be transferred in the EDI transaction set (document).
- 4.4 EDI data elements within each data segment are referenced by the name of the data segment and a number identifier. For example, in the header area, the DTM01 EDI data element could contain an 007 which is used as a qualifier identifying that the date that will be contained in DTM02 is an Effective Bill Date. The twodigit century code designation would be sent as the DTM05 element. This line of data could be sent in an EDI document as follows:



An element delimiter isolates each piece of information, and a segment terminator ends each segment. These delimiters andseparators must be EDI valid characters used for terminator/delimiter purposes and must be identified when the trading partner begins testing with BellSouth as the characters that will be used in their transactions. In the example shown above, the * acts as the element delimiter and the ~ as the segment terminator.

As stated earlier, data can be sent in a loop so that the receiving computer recognizes it as belonging to a group. An N1 loop is a good example of this. The example below shows how the N1, N2, N3, and N4 EDI data segments, when sent as part of an N1 loop in an 850 transaction set, transmit a customer's final billing information. Please reference the specific page in the 850 transaction set EDI specifications for complete EDI details.

N1*X1*Alexander Johnson~ N2*Jon Applebee~ N3*312 Main Street~ N4*Tuscaloosa*AL*35401~

4.5 Data element information must be sent in the appropriate EDI data segment. Most often data being sent requires a corresponding qualifier. A good example of this is when ending information that uses the SI data segment for transmission. As in the earlier example that

showed a 007 qualifier to indicate Effective Bill Date, SI data elements, too, require qualifiers.

These transmitted EDI lines of code are translated asfollows:

	SI01 = TI SI02 = AA SI03 = A	Telecommunications Industry Qualifier indicating Account Activity Type will be next Code indicating Activity Type is an Add (New Installation)
SI *TI*AA*A~ SI *TI*TY*2B~ SI *TI*BN*2055551111~	SI01 = TI SI02 = TY SI03 = 2B	Telecommunications Industry Qualifier indicating Type of Service will be next Code indicating Type of Service is a residential single line
	SI01 = TI SI02 = BN SI03 = 2055551111	Telecommunications Industry Qualifier indicating Local Billing Account Number will be next Local Billing Account Number

Within the proper data segment, EDI data elements can be sent in a number of ways. For example, in the SI data segment, SI02 through SI21 dataelements may be transmitted in pairs– "stacked" or "strung out" in one line–in any order, as long as the appropriate Service Characteristics Qualifier precedes the Product/Service ID value. Please reference the SI data segment pages in the EDI specification sections of this guide for further information.

Examples 1 through 4 all correctly transmit the same values.

<u>Example 1 (stacked)</u> SI*TI*SA*A*TN*2055551111~ SI*TI*SA*A*FZ*B~ SI*TI*SA*A*TB*A~	Example 3 (strung out) SI*TI*SA*A*TN*2055551111*FZ*B*TB*A~
Example 2 (stacked) SI*TI*SA*A*TN*2055551111~ SI*TI*SA*A*TB*A~ SI*TI*SA*A*FZ*B~	Example 4 (strung out) SI*TI*SA*A*TN*2055551111*TB*A*FZ*B~

Other data segments process in the same way. Local Exchange Ordering at BellSouth uses the PER data segment for transmitting contact name and number information. The PER03 through PER08 data elements can be used much the same as SI usage is described above. The elements can be sent in pairs-"stacked" or "strung out" in one line-in any order, as long as the appropriate Communication Number Qualifier precedes the value being sent in the Communications Number data element. Please reference the PER data segment pages in the EDI specifications for further details.

5.0 TRANSACTION SET SPECIFICATIONS

The EDI specifications that have been referred to numerous times in this EDI overview follow this section. BellSouth EDI specifications are included for each of the five transaction sets that are used for Local Exchange Ordering.

- 850 Purchase Order
- 855 Purchase Order Acknowledgment
- 860 Purchase Order Change Request
- 865 Purchase Order Change Acknowledgment
- 997 Functional Acknowledgment

850 Purchase Order Transaction Set

Using the 850 Purchase Order Transaction Set within the context of an Electronic Data Interchange environment at BellSouth requires the following:

- A familiarity with both the EDI specifications which follow, and
- The BellSouth usage rules as stated on the individual data element sheets found throughout the various sections of Volume 1 of this LEO Implementation Guide.

For the most part, the data element characteristics and valid entries detailed on these data element sheets are the exact rules to be followed when transmitting data via EDI. There are, however, a few instances where EDI standards rules dictate a different data element characteristic or valid entry than the OBF rules contained on these sheets. These few exceptions are listed on the appropriate data segment pages, which follow.

The Telecommunications Industry Forum's guidelines for implementing the ANSI ASC X12 (American National Standards Institute, Accredited Standards Committee) standards are the basis for the specifications contained in this section. In some instances, to meet the needs of Local Exchange Ordering, it has been necessary for BellSouth to go outside the boundaries of these guidelines. These few instances are clearly indicated in the following specifications.

Where, in the following specifications, the standards state that an entry is required (marked "Must Use" and attributes show M), an entry <u>is</u> required. Where an EDI data element attribute shows AN (alphanumeric) and minimum and maximum field lengths, these rules also must be adhered to; BellSouth usage rules (found on the individual data element sheets in Volume 1 of this guide) further define the data characteristics to be passed in the relevant data elements.

In summary, use of the 850 Purchase Order Transaction Set requires adherence to the rules stated in the following specifications based on ANSI ASC X12 standards <u>and</u> the BellSouth usage rules defined for each applicable data element. It is critical that the specifications in this section be followed to avoid translator rejections. It is equally important that the BellSouth usage rules listed on the individual data element sheets found throughout Volume 1 of this LEO Implementation Guide be followed when creating data content for this transaction set.

850 Purchase Order



Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

Heading:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
Must Use	020	BEG	Beginning Segment for Purchase Order	М	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	0	1		
	050	REF	Reference Numbers	0	>1		
Not Used	060	PER	Administrative Communications Contact	0	3		
Not Used	070	TAX	Tax Reference	0	>1		
Not Used	080	FOB	F.O.B. Related Instructions	0	>1		
Not Used	090	CTP	Pricing Information	0	>1		
Not Used	095	PAM	Period Amount	0	10		
Not Used	110	CSH	Header Sale Condition	0	5		
			LOOP ID - SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge	0	1		
Not Used	125	CUR	Information Currency	0	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	0	5		
Not Used	140	DIS	Discount Detail	0	20		
Not Used	145	INC	Installment Information	0	1		
	150	DTM	Date/Time Reference	0	10		
Not Used	160	LDT	Lead Time	0	12		
Not Used	180	LIN	Item Identification	0	5		n1
	185	SI	Service Characteristic Identification	0	2		
	190	PID	Product/Item Description	0	200		
Not Used	200	MEA	Measurements	0	40		
	210	PWK	Paperwork	0	25		
Not Used	220	PKG	Marking, Packaging, Loading	0	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	0	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	250	TD3	Carrier Details (Equipment)	0	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		

lectron	ic Dat	a Interch	ange Ordering Implementation Guide (nange (EDI) se Order Transaction Set, Version 305			Issue Date: 10/28/1999 Issue: 7f Volume: 4
lot Used	270	MAN	Marks and Numbers	0	10	
lot Used	280	СТВ	Restrictions/ Conditions	0	5	
	285	TXI	Tax Information	0	>1	
			LOOP ID - AMT			>1
lot Used	287	AMT	Monetary Amount	0	1	
lot Used	288	AT	Financial Accounting	0	1	
lot Used	289	REF	Reference Numbers	0	>1	
			LOOP ID - N9			1000
	290	N9	Reference Number	0	1	
	300	MSG	Message Text	0	1000	
			LOOP ID - N1			200
	310	N1	Name	0	1	
	320	N2	Additional Name Information	0	2	
	330	N3	Address Information	0	2	
	340	N4	Geographic Location	0	>1	
	345	NX2	Real Estate Property ID Component	0	3	
	350	REF	Reference Numbers	0	12	
	360	PER	Administrative Communications Contact	0	>1	
lot Used	370	FOB	F.O.B. Related Instructions	0	1	
lot Used	380	TD1	Carrier Details (Quantity and Weight)	0	2	
lot Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
lot Used	400	TD3	Carrier Details (Equipment)	0	12	
lot Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
lot Used	420	PKG	Marking, Packaging, Loading	0	200	
			LOOP ID - LM			>1
lot Used	430	LM	Code Source Information	0	1	
lot Used	440	LQ	Industry Code	Μ	>1	
			LOOP ID - SPI			>1
lot Used	450	SPI	Specification Identifier	0	1	
lot Used	460	REF	Reference Numbers	0	5	
lot Used	470	DTM	Date/Time Reference	0	5	
lot Used	480	MSG	Message Text	0	50	
			LOOP ID - N1			20
lot Used	490	N1	Name	0	1	
lot Used	500	N2	Additional Name Information	0	2	
lot Used	510	N3	Address Information	0	2	
ot Used	520	N4	Geographic Location	0	1	
lot Used	530	REF	Reference Numbers	0	20	
lot Used	540	G61	Contact	0	1	
lot Used	550	MSG	Message Text	0	50	
			LOOP ID - CB1			>1
lot Used	560	CB1	Contract and Cost Accounting Standards Data	0	1	
lot Used	570	REF	Reference Numbers	0	20	

Electron	ic Dat	a Interch	ange Ordering Implement nange (EDI) se Order Transaction Set	, , , , , , , , , , , , , , , , , , ,		Issue Date: 10/28/1999 Issue: 7f Volume: 4	
Not Used	580	DTM	Date/Time Reference	О	5	[]	
Not Used	590	LDT	Lead Time	0	1		
Not Used	600	MSG	Message Text	0	50		

Detail:

Detail:							
Detuiit	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - PO1			100000	
Must Use	010	PO1	Baseline Item Data	М	1		n2
	018	SI	Service Characteristic Identification	0	5		
Not Used	020	CUR	Currency	0	1		
Not Used	025	CN1	Contract Information	0	1		
	030	PO3	Additional Item Detail	0	25		
Not Used	040	CTP	Pricing Information	0	>1		
Not Used	045	PAM	Period Amount	0	10		
Not Used	049	MEA	Measurements	0	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	0	1		
Not Used	060	MEA	Measurements	0	10		
Not Used	070	PWK	Paperwork	0	25		
Not Used	090	PO4	Item Physical Details	0	>1		
Not Used	100	REF	Reference Numbers	0	>1		
Not Used	110	PER	Administrative Communications Contact	0	3		
			LOOP ID - SAC			25	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	0	1		
Not Used	135	CUR	Currency	0	1		
Not Used	140	IT8	Conditions of Sale	0	1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	0	2		
Not Used	160	DIS	Discount Detail	0	20		
Not Used	165	INC	Installment Information	0	1		
Not Used	170	TAX	Tax Reference	0	>1		
Not Used	180	FOB	F.O.B. Related Instructions	0	>1		
Not Used	190	SDQ	Destination Quantity	0	500		
Not Used	200	IT3	Additional Item Data	0	5		
	210	DTM	Date/Time Reference	0	10		
Not Used	235	TC2	Commodity	0	2		
Not Used	240	TD1	Carrier Details (Quantity and Weight)	0	1		
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	260	TD3	Carrier Details (Equipment)	0	12		
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		
Not Used	280	MAN	Marks and Numbers	0	10		
Not Used	289	MSG	Message Text	0	>1		
Not Used	291	SPI	Specification Identifier	0	>1		
Not Used	292	TXI	Tax Information	0	>1		

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			LOOP ID - SCH			200	
Not Used	295	SCH	Line Item Schedule	0	1	200	n3
Not Used	295	TD1	Carrier Details (Quantity and Weight)	0	2		
Not Used	290	TD5	Carrier Details (Quantity and Weight) Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	297	TD3	Carrier Details (Equipment)	0	12		
Not Used	299	TD4	Carrier Details (Special Handling, or Hazardous	0	5		
itor esea	277	101	Materials, or Both)	0	5		
			LOOP ID - PKG			200	
Not Used	300	PKG	Marking, Packaging, Loading	0	1		
Not Used	310	MEA	Measurements	0	>1		
Not Used	320	LS	Loop Header	0	1		
			LOOP ID - LDT			>1	
Not Used	321	LDT	Lead Time	0	1		
Not Used	322	QTY	Quantity	0	>1		
Not Used	323	MSG	Message Text	0	1		
Not Used	324	REF	Reference Numbers	0	3		
			LOOP ID - LM			>1	
Not Used	325	LM	Code Source Information	0	1		
Not Used	326	LQ	Industry Code	М	>1		
Not Used	327	LE	Loop Trailer	0	1		
1100 Cood	027	22	LOOP ID - N9		•	1000	
Not Used	330	N9	Reference Number	0	1	1000	
Not Used	335	MEA	Measurements	0	40		
Not Used	340	MSG	Message Text	0	1000		
						200	
	350	N1	LOOP ID - N1 Name	0	1	200	
Not Used	350 360	N2	Additional Name Information	0	1 2		
Not Used	370	N3	Address Information	0	2		
Not Used	380	N4	Geographic Location	0	1		
Not Used	385	NX2	Real Estate Property ID Component	0	3		
Not Used	390	REF	Reference Numbers	0	12		
Not Used	400	PER	Administrative Communications Contact	0	3		
Not Used	400	FOB	F.O.B. Related Instructions	0	1		
Not Used	415	SCH	Line Item Schedule	0	200		
Not Used	420	TD1	Carrier Details (Quantity and Weight)	0	200		
Not Used	430	TD5	Carrier Details (Quality and Weight) Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	440	TD3	Carrier Details (Equipment)	0	12		
Not Used	450	TD4	Carrier Details (Special Handling, or Hazardous	0	5		
			Materials, or Both)				
Not Used	460	PKG	Marking, Packaging, Loading	0	200		
			LOOP ID - LDT			>1	
				-			
Not Used	462	LDT	Lead Time	0	1		
Not Used	464	MAN	Marks and Numbers	0	10		

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Not Used	469	REF	Reference Numbers	0	3	
			LOOP ID - SLN			1000
	470	SLN	Subline Item Detail	0	1	
	480	SI	Service Characteristic Identification	0	20	
	490	PID	Product/Item Description	0	1000	
Not Used	500	PO3	Additional Item Detail	0	104	
Not Used	505	TC2	Commodity	0	2	
			LOOP ID - SAC			10
Not Used	510	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	515	CUR	Currency	0	1	
Not Used	520	DTM	Date/Time Reference	0	10	
Not Used	522	CTP	Pricing Information	0	25	
Not Used	523	PAM	Period Amount	0	10	
Not Used	524	PO4	Item Physical Details	0	1	
Not Used	527	TAX	Tax Reference	0	3	
			LOOP ID - N1			10
	530	N1	Name	0	1	
	540	N2	Additional Name Information	0	>1	
	550	N3	Address Information	0	2	
	560	N4	Geographic Location	0	1	
	570	NX2	Real Estate Property ID Component	0	3	
Not Used	580	REF	Reference Numbers	0	12	
Not Used	590	PER	Administrative Communications Contact	0	3	
			LOOP ID - AMT			>1
Not Used	600	AMT	Monetary Amount	0	1	
Not Used	610	REF	Reference Numbers	0	1	
			LOOP ID - LM			>1
Not Used	620	LM	Code Source Information	0	1	
Not Used	630	LQ	Industry Code	М	>1	

Summary:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n4
Not Used	020	AMT	Monetary Amount	0	1		n5
Must Use	030	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

- **1.** If segment LIN is used, do not use LIN01.
- **2.** PO102 is required.
- **3.** The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

- **4.** The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.
- 5. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Segment:	ST Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) 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

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			850 X12.1 Purchase Order	
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique wit	thin the transaction set
			functional group assigned by the originator for a tra	ansaction set
			The value of the data element in ST02 in the Trans	saction Set Header (ST)
			must match the value of this same data element in a	SE02 in the Transaction
			Set Trailer (SE).	

	Segment:	BEC	 Beginning Segment for Purchase Order 		
	Position:	020	Beginning Segment for Turchase Order		
	Loop:	020			
	Level:	Heading			
	Usage:	Mandato	ſy		
	Max Use:	1			
	Purpose:		ate the beginning of the Purchase Order Transaction Set and and dates	trans	mit identifying
Svn	ntax Notes:	numbers	and dates		
	ntic Notes:	1 BEC	605 is the date assigned by the purchaser to purchase order.		
0	Comments:				
	_	_	Data Element Summary		
	Ref.	Data	N	• • •	•1 4
Must Use	<u>Des.</u> BEG01	Element 353	<u>Name</u> Transaction Set Purpose Code	<u>Atti</u> M	<u>ributes</u> ID 2/2
Wiust Use	DEGUI	555	Code identifying purpose of transaction set	IVI	10 2/2
			This represents the second character, from the valid entry I BST usage rules for REQTYP (elsewhere in this guide). (0 TRAN-SET-PURPOSE-CODE BellSouth valid EDI code: 00 Original		
Must Use	BEG02	92	Purchase Order Type Code	Μ	ID 2/2
			Code specifying the type of Purchase Order		
			TRAN-PO-TYPE-CODE		
			BellSouth valid code:		
			SS Supply or Service Order		
Must Use	BEG03	324	Purchase Order Number	M	AN 1/22
			Identifying number for Purchase Order assigned by the ord PON: Purchase Order Number	lerer/p	burchaser
Not Used	BEG04	270		0	ANI 1/20
Not Used	BEG04	328	Release Number Number identifying a release against a Purchase Order pre	-	AN 1/30 ly placed by
			the parties involved in the transaction	viousi	ly placed by
Must Use	BEG05	373	Date	Μ	DT 6/6
			Date (YYMMDD)		
Not Used	BEG06	367	Contract Number	0	AN 1/30
			Contract number		
	BEG07	587	Acknowledgment Type	0	ID 2/2
			Code specifying the type of acknowledgment		
			RTR: Response Type Requested		
			BellSouth valid EDI code: AT = Accepted (equivalent OBF code is C)		
Not Used	BEG08	1019	AT = Accepted (equivalent OBF code is C) Invoice Type Code	0	ID 3/3
1100 Oscu	DEGUO	1017	Code defining the method by which invoices are to be proc	-	
Not Used	BEG09	1166	Contract Type Code	0	ID 2/2
	-		Code identifying a contract type		
Not Used	BEG10	1232	Purchase Category	0	ID 2/2
			Code identifying the broad category of products or services	being	
Not Used	BEG11	786	Security Level Code	0	ID 2/2
			Code indicating the level of confidentiality assigned by the information following	sende	er to the

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

		D /	Data Ele	nent Summary			
	Ref.	Data Element	Name		A ttmibutos		
Must Use	<u>Des.</u> REF01	<u>128</u>	Reference Number	Oualifier	<u>Attributes</u> M ID 2/2		
Must ese	NLI VI	120	Code qualifying the				
			BellSouth valid code				
				11 Account Number			
				Number identifies a telecommunicatio	ns industry account		
			12	Billing Account			
			12	Account number under which billing i	s rendered		
			1V	Related Vendor Order Number	stendered		
			1 V		ition to a primary		
				A vendor's order number that is in addition to a primary order number			
			AE				
			СО	· · · · · ·			
			GP	GP Government Priority Number			
			JB	JB Job (Project) Number			
			OW	OW Service Order Number			
				Number assigned when a customer or	lers service and		
				equipment and which appears on bill			
			SY	Social Security Number			
	REF02	127	Reference Number		X AN 1/30		
				r identification number as defined for a	•		
				as specified by the Reference Number Q	ualifier.		
			If REF01 then RE 12 BAN	F02 I1 or BAN2: Billing Acct. Number 1 o	.)		
				RD: Related Order Number	L Z		
				I: Subscriber Authorization Number			
				N: Related Purchase Order Number			
				Telecommunications Service Priority			
				JECT: Project Identification			
				D: Order Number	Na *		
			If REF01 & REF03	SSN: Final Bill Contact Social Security	INO. *		
			11 AN	AN: Account Number			
			11 ATN	ATN: Account Telephone No.			
			*Not currently being	-			

REF03	352	Descriptio	Description			
		A free-form	n description to clarify the related data elements	and	their content	
		If REF01	then REF03			
		11	AN or ATN			
		12	BI1 or BI2: Billing Acct. No. Identifier 1	or 2		

Segment:	SAC	 Service, Promotion, Allowance, or Charge Information 			
Position:	120				
Loop:	SAC				
Level:	Heading				
Usage:	Optional				
Max Use:	1				
Purpose:	To reque	st or identify a service, promotion, allowance, or charge; to specify the amount or			
	percentag	ge for the service, promotion, allowance, or charge			
Syntax Notes:	1 At le	ast one of SAC02 or SAC03 is required.			
	2 If eit	her SAC03 or SAC04 is present, then the other is required.			
		her SAC06 or SAC07 is present, then the other is required.			
		her SAC09 or SAC10 is present, then the other is required.			
		AC11 is present, then SAC10 is required.			
		AC13 is present, then at least one of SAC02 or SAC04 is required.			
~		AC14 is present, then SAC13 is required.			
Semantic Notes:		AC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.			
		05 is the total amount for the service, promotion, allowance, or charge.			
		AC05 is present with SAC07 or SAC08, then SAC05 takes precedence.			
		08 is the allowance or charge rate per unit.			
		10 and SAC11 is the quantity basis when the allowance or charge quantity is ent from the purchase order or invoice quantity.			
		10 and SAC11 used together indicate a quantity range, which could be a dollar			
		int, that is applicable to service, promotion, allowance, or charge.			
		13 is used in conjunction with SAC02 or SAC04 to provide a specific reference			
	number as identified by the code used.				
		14 is used in conjunction with SAC13 to identify an option when there is more than			
		option of the promotion.			
Comments:		04 may be used to uniquely identify the service, promotion, allowance, or charge. In			
		tion, it may be used in conjunction to further the code in SAC02.			
	2 In some business applications, it is necessary to advise the trading partner of the actual				
		r amount that a particular allowance, charge, or promotion was based on to reduce			
	amb	guity. This amount is commonly referred to a "Dollar Basis Amount". It is			
	repro	esented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.			
Ref.	Data	Data Element Summary			
Des.	<u>Element</u>	Name Attributes			
Must Use SAC01	<u>248</u>	Allowance or Charge Indicator M ID 1/1			
Must ese brievi	240	Code which indicates an allowance or charge for the service specified			
		BellSouth valid code:			
	1200				
Not Used SAC02	1300	Service, Promotion, Allowance, or Charge Code X ID 4/4			
	Code identifying the service, promotion, allowance, or charge				
SAC03					
		Code identifying the agency assigning the code values			
		BellSouth valid code:			
	TI Telecommunications Industry				

	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	X	AN 1/10
			Agency maintained code identifying the service, promotior charge	n, allo	wance, or
			EEH: Engineering Charge (equivalent OBF name is AEN EXP: Expedited Service		
			OAC: Overtime Loading (Additional Labor) (equivalent OALBR) VT: Variable Term Agreement)BF n	ame is
Not Used	SAC05	610	Amount	0	N2 1/15
			Monetary amount		
Not Used	SAC06	378	Allowance/ Charge Percent Qualifier	Х	ID 1/1
			Code indicating on what basis allowance or charge percent		lculated
Not Used	SAC07	332	Percent	Х	R 1/6
			Percent expressed as a percent		
Not Used	SAC08	118	Rate	0	R 1/9
			Rate expressed in the standard monetary denomination for specified	the c	urrency
Not Used	SAC09	355	Unit or Basis for Measurement Code	x	ID 2/2
100 escu	511007	000	Code specifying the units in which a value is being express		
			which a measurement has been taken		
Not Used	SAC10	380	Quantity	Х	R 1/15
			Numeric value of quantity		
Not Used	SAC11	380	Quantity	0	R 1/15
			Numeric value of quantity		
Not Used	SAC12	331	Allowance or Charge Method of Handling Code	0	ID 2/2
			Code indicating method of handling for an allowance or ch	-	
Not Used	SAC13	127	Reference Number	X	AN 1/30
			Reference number or identification number as defined for a	-	
Not Used	SAC14	770	Transaction Set, or as specified by the Reference Number (Option Number		AN 1/20
Not Used	SAC14	//0	A unique number identifying available promotion or allow	-	
			more than one is offered		options when
	SAC15	352	Description	0	AN 1/80
			A free-form description to clarify the related data elements	and	their content
			VTA: Variable Term Pricing Description (use if SAC04='		
			<i>o</i>	,	

Segment:	DTM Date/Time Reference
Position:	150
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes: Comments:	

Data Element Summary							
	Ref.	Data					
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>	
Must Use	DTM01	374	Date/Time Qualifier		Μ	ID 3/3	
				Code specifying type of date or time, or both date and time			
			BellSouth vali	ellSouth valid codes:			
			007	Effective			
			097	Transaction Creation			
			150	Service Period Start			
			151	Service Period End			
			201	Acceptance			
			270	Date Filed			
			992	Date Requested			
	DTM02	373	Date		Х	DT 6/6	
			Date (YYMM	DD)			
			If DTM01 the	en DTM02			
			007	EBD: Effective Bill Date			
			097	D/SENT: Date Sent			
			150	DDD: Desired Due Date			
			151	DDDO: Desired Due Date Out			
			201	LSP AUTH DATE: Local Svc. Provider A	uthor	riz. Date	
			270	DATED: Agency Authorization Date		TT 5 4/0	
Not Used	DTM03	337	Time		X	TM 4/8	
			-	ed in 24-hour clock time as follows: HHMM,			
			HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$, $M = minutes (00-23)$				
				er seconds (00-59) and $DD =$ decimal second			
Not Used	DTM04	623	Time Code	as follows: $D = tenths (0-9) and DD = hundr$	o o consecutores o co	ID 2/2	
Not Used	D11104	025		ng the time. In accordance with Internationa	-		
			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;				
				stricted character, + and - are substituted by]		, .	
			codes that foll	•	anu		
			codes mai 1011	UW			

DTM05	624	Century		0	N0 2/2
		The first two charac	cters in the designation of the year (CC)	YY)	
		If DTM01 then DT	M05		
		007 EBD-	-CC: Effective Bill Date Century Code		
			NT-CC: Date Sent Century Code		
			-CC: Desired Due Date Century Code		
			O-CC: Desired Due Date Out Century		
			AUTH DATE-CC: LSP Authoriz. Date		
DTM06	1250	270 DAT Date Time Period	ED-CC: Agency Authoriz. Date Centur	y Coc X	ID 2/3
DIMO	1230		•		
			e date format, time format, or date and t	inte i	Ji mat
		BellSouth valid cod			
		RTM	Range of Time Expressed in Format H		
			A range of times expressed in the form		
			HHMM where HH is the numerical ex in the day based on a twenty-four hour	-	
			is the numerical expression of minutes		
			the first occurrence of HHMM is the s		
			the second is the ending time		
		TM	Time Expressed in Format HHMM		
			Time expressed in the format HHMM	wher	e HH is the
			numerical expression of hours in the c	lay ba	ased on a
			twenty-four hour clock and MM is the	num	erical
			expression of minutes within an hour		
DTM07	1251	Date Time Period		Х	AN 1/35
		•	e, a time, or range of dates, times or dat	es an	d times
		If DTM01 then DT			
		992 DFI	DT: Desired Frame Due Time (Range or	: Tim	e)
		When DTM06			
			ge (HHMM-HHMM) or		
			(HHMM)		

Semar	Segment: Position: Loop: Level: Usage: Max Use: Purpose: tax Notes: tax Notes: tax Notes: comments: Notes:	 185 Heading Optional 2 To specified 1 If eitien 2 If eitien 3 If eitien 4 If eitien 5 If eitien 6 If eitien 7 If eitien 8 If eitien 9 If eitien 1 SI01 BellSouth SI02 threen stacked allotted, state 	y service characteristic Identification y 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. her SI08 or SI09 is present, then the other is required. her SI10 or SI11 is present, then the other is required. her SI12 or SI13 is present, then the other is required. her SI14 or SI15 is present, then the other is required. her SI16 or SI17 is present, then the other is required. her SI18 or SI19 is present, then the other is required. her SI20 or SI21 is present, then the other is required. her SI20 or SI21 is present, then the other is required. her SI20 or SI21 is present, then the other is required. her SI20 or SI21 is present, then the other is required. her SI20 or SI21 is present, then the other is required.	cated below vo SI segments
			Data Element Summary	
Must Use	Ref. <u>Des.</u> SI01	Data <u>Element</u> 559	<u>Name</u> Agency Qualifier Code	Attributes M ID 2/2
Must Use	SI02	1000	Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of servi BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). AA: Code for Account Activity BN: Code for Local Billing Account Number FB: Code for Final Bill Indicator IW: Code for Inside Wire Option IX: Code for Inside Wire Option IX: Code for Design Routing Code LS: Code for Local Servicing Office NC: Code for Network Channel Interface Code NI: Code for Network Channel Interface Code RE: Code for Secondary Network Channel Interface Code RE: Code for Service Sub-Category TP: Code for Telecommunications Provider Office TY: Code for Type of Service UC: Code for Basic Class of Service	may be placed in data element 1000)

Must Use	SI03	234	Product/Service ID Identifying number for a product or service	М	AN 1/40
			BellSouth valid IDs are listed here. These IDs may be plac	ed in	any
			occurrence of a Product/Service ID (EDI data element 234)		•
			when preceded by the appropriate corresponding Service C		-
			Qualifer (EDI data element 1000).		
			If SI02 then SI03		
			AA ACT: Account Activity Type		
			BNLOCBAN: Local Billing Account NumberFBFBI: Final Bill Type Indicator		
			IW IWO: Inside Wire Option		
			IX IWBAN: Inside Wire Billing Account Numb	er	
			LR DRC: Design Routing Code		
			LS LSO: Local Servicing Office		
			NC NC: Network Channel Code		
			NI NCI: Network Channel Interface Code	~	
			NJ SECNCI: Secondary Network Channel Interf	ace C	ode
			REREQTYP: Requisiton Type *SSSPEC: Service Sub-Category		
			TP SC: Service Center		
			TY TOS: Type of Service		
			UC BCS: Basic Class of Service		
			* EDI recognizes REQTYP as a 1-char code. It is the first		-
			selection from the valid entry list shown in the BST usage in (closurbare in this guide)	ules t	tor REQTYP
	SI04	1000	(elsewhere in this guide). Service Characteristics Qualifier	X	ID 2/2
	5104	1000	Code from an industry code list qualifying the type of servi-		
	SI05	234	Product/Service ID	X	AN 1/40
	5105	234	Identifying number for a product or service	Λ	AIN 1/40
	SI06	1000	Service Characteristics Qualifier	X	ID 2/2
	5100	1000	Code from an industry code list qualifying the type of servi-		
	SI07	234	Product/Service ID	X	AN 1/40
	5107	234		Λ	AIN 1/40
	SI08	1000	Identifying number for a product or service Service Characteristics Qualifier	X	ID 2/2
	5108	1000	_		
	CIAO	224	Code from an industry code list qualifying the type of service		
	SI09	234	Product/Service ID	X	AN 1/40
	0110	1000	Identifying number for a product or service	N 7	ID 2/2
	SI10	1000	Service Characteristics Qualifier	X	ID 2/2
	~~		Code from an industry code list qualifying the type of service		
	SI11	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of servi-	ce cha	
	SI13	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		

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SI14	1000	Service Characteristics Qualifier	X	ID 2/2	
5114	1000	Code from an industry code list qualifying the typ		-	
SI15	234	Product/Service ID	X	AN 1/40	
5110	-01	Identifying number for a product or service			
SI16	1000	Service Characteristics Qualifier	X	ID 2/2	
	Code from an industry code list qualifying the type of service characterist				
SI17	234	Product/Service ID	X	AN 1/40	
		Identifying number for a product or service			
SI18	1000	Service Characteristics Qualifier	X	ID 2/2	
		Code from an industry code list qualifying the typ	e of service ch	aracteristics	
SI19	234	Product/Service ID	X	AN 1/40	
		Identifying number for a product or service			
SI20	1000	Service Characteristics Qualifier	X	ID 2/2	
Code from an industry code list qualifying the type of service characterist					
SI21	234	Product/Service ID	X	AN 1/40	
Identifying number for a product or service					

Segment:	PID Product/Item Description
Position:	190
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F''$, then $PID05$ is used. If $PID01 = S''$, then $PID04$ is used. If $PID01 =$
	`X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.

	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
Must Use	PID01	349	Item Description Type	Μ	ID 1/1
			Code indicating the format of a description		
			BellSouth valid code:		
			X Semi-structured (Code and Text)		
Not Used	PID02	750	Product/Process Characteristic Code	0	ID 2/3
			Code identifying the general class of a product or process of	charac	cteristic
	PID03	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	Х	AN 1/12
			A code from an industry code list which provides specific of	data a	bout a product
			characteristic		
			AH: Coordinated Hot Cut is Requested		
			AN: Special Construction is Pre-Authorized		
			AO: Agency Authorization Status		
			AF: End User is Moving		
		252	YPH: Code for Yellow Page Heading	T 7	A NI 1 (00
	PID05	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements	and t	their content
			If PID04 then PID05		
			YPH YPH: Code for Yellow Page Heading		
Not Used	PID06	752	Surface/Layer/Position Code	0	ID 2/2
			Code indicating the product surface, layer or position that	is beii	ng described

PID07	822		ubqualifier ce that indicat	tes the table or text maintained by th	O ne Sor	AN 1/15 urce Qualifier
		SO-RSQ				
PID08	1073	Yes/No C	Condition or F	Response Code	0	ID 1/1
		Code indi	cating a Yes o	or No condition or response		
		If PID04	& PID07 the	hen PID08		
		AH	SO-RSQ	CHC: Coordinated Hot Cut		
		AN	SO-RSQ	SCA: Special Construction		
		AO	SO-RSQ	AGAUTH: Agency Authorization	n	
		AF	SO-RSO	EUMI: End User Moving (equiva	lent (OBF code is 01)

Segment:	PWK Paperwork
Position:	210
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To identify the type and transmission of paperwork or supporting information
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:	
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number.
	2 PWK07 may be used to indicate special information to be shown on the specified report.
	3 PWK08 may be used to indicate action pertaining to a report.

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name		ributes
Must Use	PWK01	755	Report Type Code		ID 2/2
			Code indicating the title or contents of a document, re	port or sup	porting item
			BellSouth valid codes:		
			DI Directory		
			Reports that provide information product, etc	about a su	bject, name,
Not Used	PWK02	756	Report Transmission Code	0	ID 1/2
			Code defining timing, transmission method or format	by which	reports are to
			be sent	-	-
	PWK03	757	Report Copies Needed	0	N0 1/2
			The number of copies of a report that should be sent to	the addre	essee
			If PWK07 then PWK03		
			WP WPQTY: Number of White Pages Bo	oks Order	ed
			YP YPQTY: Number of Yellow Pages Bo	ooks Order	ed
Not Used	PWK04	98	Entity Identifier Code	0	ID 2/2
			Code identifying an organizational entity, a physical le	ocation, or	an individual
Not Used	PWK05	66	Identification Code Qualifier	Х	ID 1/2
			Code designating the system/method of code structure	used for I	dentification
			Code (67)		
Not Used	PWK06	67	Identification Code	X	AN 2/20
			Code identifying a party or other code		
	PWK07	352	Description	0	AN 1/80
			A free-form description to clarify the related data elem	ients and t	heir content
			WP: Code for White Pages Books		
		~~~~	YP: Code for Yellow Pages Books		
Not Used	PWK08	C002	Actions Indicated	0	
			Actions to be performed on the piece of paperwork ide	ntified	
Not Used	C00201	704	Paperwork/Report Action Code	Μ	ID 1/2
			Code specifying how the paperwork or report that is in		
	~~~		segment relates to the transaction set or to identify the		-
Not Used	C00202	704	Paperwork/Report Action Code	0	ID 1/2
			Code specifying how the paperwork or report that is in		
			segment relates to the transaction set or to identify the	action tha	u is required

Not Used	C00203	704	Paperwork/Report Action Code Code specifying how the paperwork or report that is identify segment relates to the transaction set or to identify the action	
Not Used	C00204	704	Paperwork/Report Action Code Code specifying how the paperwork or report that is identic segment relates to the transaction set or to identify the action	
Not Used	C00205	704	Paperwork/Report Action Code Code specifying how the paperwork or report that is identitissegment relates to the transaction set or to identify the action	

	Segment:	TXI	Tax Information				
	Position:	285					
	Loop:						
	Level:		Heading				
	Usage:	Optional					
	Max Use:	>1 Ta an a if					
Su	Purpose: ntax Notes:	-	y tax information east one of TXI02 TXI03 or TXI06 is required.				
Syl	nax notes:		her TXI04 or TXI05 is present, then the other is required.	h			
			KI08 is present, then TXI03 is required.	u.			
Sema	ntic Notes:		07 is a code indicating the relationship of the price or an	nount to t	he associated		
(Comments:	-	D2 is the monetary amount of the tax.				
			03 is the tax percent expressed as a decimal.				
			KI02 is not used, then the application of the percent (TX	I03) is be	tween trading		
		partr	•••	,	0		
			Data Element Summary				
	Ref.	Data					
N <i>G</i> (T)	Des.	Element	Name		ributes		
Must Use	TXI01	963	Tax Type Code	Μ	ID 2/2		
			Code specifying the type of tax BellSouth valid code:				
			TX All Taxes				
			Total of all applicable taxes				
Not Used	TXI02	782	Monetary Amount	Х	R 1/15		
		~ ~ .	Monetary amount				
Not Used	TXI03	954	Percent	Х	R 1/10		
		055	Percentage expressed as a decimal	•	ID 2/2		
Not Used	TXI04	955	Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax juris	X adjustion of	ID 2/2		
Not Used	TX105	956	Tax Jurisdiction Code	X	AN 1/10		
Not Used	1 1105	950	Code identifying the taxing jurisdiction	Λ	AN 1/10		
	TXI06	441	Tax Exempt Code	х	ID 1/1		
	17100	441	Code identifying exemption status from sales and use t				
			BellSouth valid codes for TE: Tax Exemption	ал			
			(Note: $L =$ Letter on File)				
			1 Yes (Tax Exempt)				
			2 No (Not Tax Exempt)				
			L Exempt Local Service				
			Indicates that telecommunications	services	provided		
			within the serving area are exemp		-		
Not Used	TXI07	662	Relationship Code	0	ID 1/1		
			Code indicating the relationship between entities				
Not Used	TXI08	828	Dollar Basis For Percent Dollar basis to be used in the percent calculation of the	O allowanc	R 1/9		
			tax		-,		
Not Used	TXI09	325	Tax Identification Number	0	AN 1/20		
			Number assigned to a purchaser (buyer, orderer) by a ta				
			(state, county, etc.); often called a tax exemption numb	er or cert	ificate number		

Not UsedTXI10350Assigned IdentificationOAN 1/11Alphanumeric characters assigned for differentiation within a transaction set

Segment:	N9 Reference Number
Position:	290
Loop:	N9
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference
	number qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
Comments:	

			Data Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
Must Use	N901	128	Reference Number Qualifier	Μ	ID 2/2
			Code qualifying the Reference Number.		
			BellSouth valid codes:		
			(Note: $H7 = retained and L1 = non-retained)$		
			H7 Standard Clause		
			L1 Letters or Notes		
	N902	127	Reference Number	Х	AN 1/30
			Reference number or identification number as defined for Transaction Set, or as specified by the Reference Number ORI Order Instructions (used when N901 = H7 or L1)		
			ACC Access Instructions (used when $N901 = L1$)		
Not Used	N903	369	Free-form Description	Х	AN 1/45
			Free-form descriptive text		
Not Used	N904	373	Date	0	DT 6/6
			Date (YYMMDD)		
Not Used	N905	337	Time	Х	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM,		
			HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$,		
			59), S = integer seconds (00-59) and DD = decimal second		
			are expressed as follows: $D = tenths$ (0-9) and $DD = hundred and DD = hundred and $	redths	, ,
Not Used	N906	623	Time Code	0	ID 2/2
			Code identifying the time. In accordance with International		
			Organization standard 8601, time can be specified by $a + c$		
			indication in hours in relation to Universal Time Coordina	· ·	,
			since + is a restricted character, + and - are substituted by codes that follow	P and	M in the

934

Not Used MSG02

Position:300Loop:N9Level:HeadingUsage:OptionalMax Use:1000Purpose:To provide a free form format that would allow the transmission of text information.Syntax Notes:Semantic Notes:
Level: Heading Usage: Optional Max Use: 1000 Purpose: To provide a free form format that would allow the transmission of text information. Syntax Notes: Semantic Notes:
Usage:OptionalMax Use:1000Purpose:To provide a free form format that would allow the transmission of text information.Syntax Notes:Semantic Notes:
Max Use:1000Purpose:To provide a free form format that would allow the transmission of text information.Syntax Notes:Semantic Notes:
Purpose: To provide a free form format that would allow the transmission of text information. Syntax Notes: Semantic Notes:
Syntax Notes: Semantic Notes:
Semantic Notes:
Comments: 1 MSG02 is not related to the specific characteristics of a printer, but identifies top of
page, advance a line, etc.
Data Element Summary
Ref. Data
Des. Element Name Attributes
Must Use MSG01 933 Free-Form Message Text M AN 1/264
Free-form message text
If N901 & N902 then MSG01
L1 or H7 ORI REMARKS: Remarks
L1 ACC ACC: Access Information

Printer Carriage Control Code

A field to be used for the control of the line feed of the receiving printer

ID 2/2

0

Segment:	N1 Name
Position:	310
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
-	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101

2 N105 and N106 further define the type of entity in N101.

		_		Data	Element Summary
Must Use	Ref. <u>Des.</u>] N101	Data <u>Element</u> 98	<u>Name</u> Entity Io Code ide		er Code <u>Attributes</u> g an organizational entity, a physical location, or an individual
			BellSout	h valid	codes:
			78		Service Requester
			AN		Authorized From
					A geographic location designated as an authorized pick-up or origin point for a shipment
			BT		Bill-to-Party
			BY		Buying Party (Purchaser)
			DA		Delivery Address
			DG		Design Engineering
					Identifies the design engineer or office of the design engineer who will receive design specifications
			IT		Installation on Site
			SE		Selling Party
			X1		Mail to
					An address to which a specified item is to be mailed
	N102	93	Name		X AN 1/35
			Free-form		2
			If N101 78 AN BT DA DG IT SE X1 & BY	then N103 25	N102 CCNA: Customer Carrier Name Abbrev. AUTHNM: Authorization Name BILLNM: Bill and Ship To Name DDA-NAME: Directory Delivery To Name DSGCON: Design/Engrg. Contact EU-NAME: End-User Name LSP AUTHNAME: Local Svc. Provider Authoriz. Name FB-BILLNM: Final Bill To Name CUST: Customer Name

	N103	66	Identification Cod	le Qualifier	X	ID 1/2
			Code designating t Code (67)	he system/method of code structure used	d for l	dentification
			BellSouth valid co	des:		
			25	Carrier's Customer Code		
			41	Telecommunications Carrier Identific	cation	Code
				Identifies the Interexchange carrier for being billed	or the	charges
			92	Assigned by Buyer or Buyer's Agent		
			SI	Standard Industry Code (SIC)		
	N104	67	Identification Cod	le	Х	AN 2/20
			Code identifying a	party or other code		
			If N101 & N103	then N104		
			BY 25	CC: Company Code		
			IT SI	SIC CODE: SIC Code		
			SE 41	LSP AUTH: Local Svc. Provider A	uthori	zation
			BT 92	ACNA: Access Customer Name Al	obrevi	ation
			78 41	CIC: Carrier Identification Code		
Not Used	N105	706	Entity Relationsh	-	0	ID 2/2
			Code describing er	•	_	
Not Used	N106	98	Entity Identifier (0	ID 2/2
			Code identifying a	n organizational entity, a physical location	ion, o	r an individual

Segment:	${ m N2}$ Additional Name Information
Position:	320
Loop:	N1
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:	

Must Use	Ref. <u>Des.</u> N201	Data <u>Element</u> 93	<u>Name</u> Name Free-form na	M	<u>tributes</u> AN 1/35
			If N101 the BT DA X1	 N201 SBILLNM: Secondary Bill Name DDA-NAME2: Continuation of Delivery Nam FB-SBILLNM: Final Bill Secondary Bill Nam 	
Not Used	N202	93	Name Free-form na	0	AN 1/35

Segment:	$\mathbf{N3}$ Address Information
Position:	330
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

	Ref. Des.	Data <u>Element</u>	Name	Attributes
Must Use	N301	166	Address Information Address information	M AN 1/35
			If N101 then N301	
			78 INIT-STREET: Initiator Street Addres	S
			BT BILLNM-STREET: Bill Name Street A	Address
			DA DDA-ADDRESS 1: Directory Deliver	y Address 1
			DG DSGCON-STREET: Design/Engr. Cor	ntact Street Address
			IT EU-STREET 1: End User Street Addre	ess
			X1 FB-STREET: Final Bill Street Address	
	N302	166	Address Information	O AN 1/35
			Address information	
			If N101 then N302	
			DA DDA-ADDRESS 2: Continuation of Dire	ctory Delivery Address
			IT EU-STREET 2: 2nd Line End User Stree	t Address

Segment:	N4 Geographic Location					
Position:	340					
Loop:	N1					
Level:	Heading					
Usage:	Optional					
Max Use:	>1					
Purpose:	To specify the geographic place of the named party					
Syntax Notes:	1 If N406 is present, then N405 is required.					
Semantic Notes:						
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.					

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

Data Element Summary

	Ref.	Data	Data Element Summary		
	Des.	Element	Name	Att	ributes
	N401	19	City Name	0	AN 2/30
			Free-form text for city name		
			If N101 then N401		
			78 INIT-CITY: Initiator City		
			BT BILLNM-CITY: Bill Name City		
			DA DDA-CITY: Directory Delivery City		
			DG DSGCON-CITY: Design/Engr. City		
			IT EU-CITY: End User City		
	N/402	156	X1 FB-CITY: Final Bill City	0	ID 2/2
	N402	156	State or Province Code	0	ID 2/2
			Code (Standard State/Province) as defined by appropriate	gover	nment agency
			If N101 then N402		
			78 INIT-STATE: Initiator State		
			BT BILLNM-STATE: Bill Name State		
			DA DDA-STATE: Directory Delivery State DG DSGCON-STATE: Design/Engr. State		
			DG DSGCON-STATE: Design/Engr. State IT EU-STATE: End User State		
			X1 FB-STATE: Final Bill State		
	N403	116	Postal Code	0	ID 3/11
			Code defining international postal zone code excluding p	inctua	
			blanks (zip code for United States)		
			If N101 then N403		
			78 INIT-ZIP CODE: Initiator Zip Code		
			BT BILLNM-ZIP CODE: Bill Name Zip Cod	e	
			DA DDA-ZIP CODE: Directory Delivery Zip	Code	
			DG DSGCON-ZIP CODE: Design/Engr. Zip G	Code	
			IT EU-ZIP CODE: End User Zip Code		
			X1 FB-ZIP CODE: Final Bill Zip Code	~	
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 Code which identifies a specific location	0	AN 1/30

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	345 N1 Heading Optional 3 To defin		ographic location of real estate prope	erty
Semantic Notes:		01 defines the type of ad 02 defines the address co	omponent indentified in NX201.	
Comments:	3 NX2	03 is used to designate the	ne county of the property.	
Comments.			. 9	
Ref.	Data	Data Elemer	at Summary	
Des.	<u>Element</u>	<u>Name</u>		Attributes
Must Use NX201	1106	Address Component (Jualifier e of address component	M ID 2/2
		BellSouth valid codes:	e of address component	
			ilding Name	
			oor	
		А	particular floor or level of a building	5
		35 Ro	oom	
		А	walled room or partitioned area of a	building
		90 Ac	ccess Customer Terminal Location	
		91 Ac	lditional Point of Termination	
		92 Lo	cal Service Termination	
Must Use NX202	166	Address Information		M AN 1/35
		Address information If		
		N101 & NX201 then \exists	NX202	
			L: Access Customer Terminal Locati	ion
		91 APO'	Γ: Additional Point of Termination	
			Local Service Termination	
			FLOOR: Initiator Floor	~/MS
			-ROOM/MAIL STOP: Initiator Roor VM-FLOOR: Bill Name Floor	m/MS
			NM-ROOM: Billing Name Room	
		DG 32 DSG	CON-FLOOR: Design/Engrg. Floor	
			CON-ROOM/MAIL STOP: Design/E	Engrg.Room/MS
			BLDG: End User Building LOOR: End User Floor	
			COOM: End User Room	
			LOOR: Final Billing Name Floor	
			OOM: Final Billing Name Room	
Not Used NX203	1096	County Designator	unty within a state	O ID 5/5
		Code identifying the co	anty within a state	

Segment:	REF Reference Numbers
Position:	350
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

D

Must Use	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	<u>Name</u> Reference Num Code qualifying	-	<u>Attribu</u> M III	
			BellSouth valid		*****	
			11	Account Nu	mber	
				Number ider account	ntifies a telecommunications industr	ry.
	REF02	127	Reference Num	ber	X Al	N 1/30
	REF03	352	Transaction Set, If N101 & REF0 IT 11 IT 11		EAN: Existing Account Number EATN: Existing Account Telep	r
	KEF US	352	Description	wintion to alarify		
			If REF01 then R		the related data elements and their	content

Segment:	PER	Administra	ative Comn	unications Contact	
Position:	360				
Loop:	N1				
Level:	Heading				
Usage:	Optional				
Max Use:	>1				
Purpose:	To identi	fy a person of	r office to w	hom administrative communication	ns should be directed
Syntax Notes:	2 If eit	her PER05 of	r PER06 is j	present, then the other is required.	
Semantic Notes: Comments:	3 If eit	HEI PERU/ O	I PERUð IS J	present, then the other is required.	
Notes:	below"s	arough PER0 stacked" or "s	strung out" i	ents may be transmitted in pairs as n one linein any order, as long as r precedes the Communication Nur	the appropriate
Ref.	Data	D	ata Elemen	t Summary	
Must Use PER01	Element 366	<u>Name</u> Contact Fu			Attributes M ID 2/2
		named	tying the ma	jor duty or responsibility of the per	son or group
		BellSouth va	alid codes.		
		AG		ont	
			-	ent Contoct	
		AL		ernate Contact	, , . ,
				son to be contacted when the main vilable	contact 1s not
		BI		l Inquiry Contact	
		DI		vice Provider contact for making in	nguiros about
				ormation on the invoice	iiquites about
		CA		stomer Contact Granting Appointn	nent
		CN		neral Contact	
		DE		sign Engineer	
PER02	93	Name			O AN 1/35
		Free-form n	ame		0 11 1,000
		If N101 & F		PER02	
			AG	INIT: Initiator	
			CN	IMPCON: Implementation Contac	ct
		78 A	AL .	ALTIMPCON: Alternate Implem	
			BI	BILLCON: Billing Contact	
			CA	LCON: Local Contact	
			CN	IWCON: Inside Wire Contact	
		XI E	BI	FBCON: Final Bill Contact	

PER03	365	Communication Number Qualifier Code identifying the type of communication number	X	ID 2/2
		BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Communication Number Qualifier (El 365) in the PER segment when followed by the appropriat Communication Number (EDI data element 364).	DI dat	a element
		BN Beeper Number		
		EM Electronic Mail		
		FX Facsimile		
		TE Telephone		
PER04	364	Communication Number	Х	AN 1/80
		Complete communications number including country or a applicable		
		BellSouth valid communications numbers are listed here. may be placed in any occurrence of a Communication Nur element 364) in the PER segment when preceded by the ap corresponding Communication Number Qualifier (EDI da	nber (opropi	EDI data [.] iate
		If N101 PER01 PER03 then PER04		
		78 AG TE INIT-TEL NO: Initiator Telephone78 CN TE IMPCON-TEL NO: Implem. Conta		lenhone
		78 AL TE ALTIMPCON-TEL NO: Alternate		-
		BT BI TE BILLCON-TEL NO: Billing Conta	-	
		DG DE TE DSGCON-TEL NO: Design/Engr		
		IT CA TE LCON-TEL NO: Local Contact Te	-	
		IT CN TE IWCON-TEL NO: Inside Wire Con X1 BI TE FBCON-TEL NO: Final Bill Conta		-
		78 CN BN IMPCON-PAGER: Impl. Contact		-
		78 AL BN ALTIMPCON-PAGER: Alt. Impl.	-	
		DG DE EM DSGCON-EMAIL: Design/Engrg		-
		78 AG FX INIT-FAX NO: Initiator Fax No.		
		DG DE FX DSGCON-FAX NO: Design/Engr	-	
PER05	365	Communication Number Qualifier	Х	ID 2/2
		Code identifying the type of communication number		
PER06	364	Communication Number	X	AN 1/80
		Complete communications number including country or as applicable	rea co	de when
PER07	365	Communication Number Qualifier	Х	ID 2/2
		Code identifying the type of communication number		
PER08	364	Communication Number	Х	AN 1/80
		Complete communications number including country or a applicable	rea co	de when
PER09	443	Contact Inquiry Reference	0	AN 1/20
		Additional reference number or description to clarify a con	ntact r	umber

Segment:	PO1 Baseline Item Data
Position:	010
Loop:	PO1
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used line item data
Syntax Notes:	1 If PO103 is present, then PO102 is required.
v	2 If PO105 is present, then PO104 is required.
	3 If either PO106 or PO107 is present, then the other is required.
	4 If either PO108 or PO109 is present, then the other is required.
	5 If either PO110 or PO111 is present, then the other is required.
	6 If either PO112 or PO113 is present, then the other is required.
	7 If either PO114 or PO115 is present, then the other is required.
	8 If either PO116 or PO117 is present, then the other is required.
	9 If either PO118 or PO119 is present, then the other is required.
	10 If either PO120 or PO121 is present, then the other is required.
	11 If either PO122 or PO123 is present, then the other is required.
	12 If either PO124 or PO125 is present, then the other is required.
Semantic Notes:	
Comments:	1 See the Data Dictionary for a complete list of ID's.
	2 PO101 is the line item identification.

S

- PO101 is the line item identification. 2
- **3** PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

	Ref.	Data	Data Element Summary		
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
	PO101	350	Assigned Identification	0	AN 1/11
			Alphanumeric characters assigned for differentiation within	n a tr	ansaction set
			REFNUM		
	PO102	330	Quantity Ordered	Х	R 1/9
			Quantity ordered		
	PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
			Code specifying the units in which a value is being express which a measurement has been taken	ed, o	r manner in
Not Used	PO104	212	Unit Price	Х	R 1/17
			Price per unit of product, service, commodity, etc.		
Not Used	PO105	639	Basis of Unit Price Code	0	ID 2/2
			Code identifying the type of unit price for an item		
	PO106	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in
			BellSouth valid code:		
			TY Telecommunications Industry Service	Code	e
	PO107	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
			If PO106 then PO107		
			TY LNECLSSVC: Line Class of Service USOC		

PO108	235	Product/Service ID Qualifier	Х	ID 2/2
		Code identifying the type/source of the descriptive number	used i	in
		Product/Service ID (234)		
PO109	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
PO110	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number	used i	in
PO111	234	Product/Service ID (234) Product/Service ID	x	AN 1/40
10111	234	Identifying number for a product or service	Л	AIN 1/40
PO112	235	Product/Service ID Qualifier	x	ID 2/2
10112	200	Code identifying the type/source of the descriptive number		
		Product/Service ID (234)	useu	
PO113	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
PO114	235	Product/Service ID Qualifier	Х	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used i	in
PO115	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
PO116	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number	used i	in
		Product/Service ID (234)		
PO117	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
PO118	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number	used i	in
PO119	234	Product/Service ID (234) Product/Service ID	X	AN 1/40
1011)	234	Identifying number for a product or service	Δ	AI I 1/4 0
PO120	235	Product/Service ID Qualifier	X	ID 2/2
10120	200	Code identifying the type/source of the descriptive number		
		Product/Service ID (234)	ubeu i	
PO121	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
PO122	235	Product/Service ID Qualifier	Х	ID 2/2
		Code identifying the type/source of the descriptive number	used i	in
-		Product/Service ID (234)		
PO123	234	Product/Service ID	X	AN 1/40
DOIN		Identifying number for a product or service		
PO124	235	Product/Service ID Qualifier	X	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used i	ın
PO125	234		x	AN 1/40
PO125	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40

	Segment:	SI sa	rvice Characteristic Identification				
	Position:	018	rvice characteristic identification				
	Loop:	PO1					
	Loop. Level:	Detail					
	Usage:	Optional					
	Max Use:	5					
	Purpose:	To specif	fy service characteristic data				
Syı	ntax Notes:	-	ther SI04 or SI05 is present, then the other is required.				
·		2 If eit	ther SI06 or SI07 is present, then the other is required.				
		3 If eit	ther 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.				
Como		9 If eit	ther SI20 or SI21 is present, then the other is required.				
	ntic Notes: Comments:	1 SI01	l defines the source for each of the service characteristics qual	lifiors			
,	Notes:	BellSout	•	inners.			
	Notes.		rough SI21 data segments may be transmitted in pairs as indic	rated below			
			" or "strung out" in one linein any order, on any of the five S				
			as long as the appropriate Service Characteristics Qualifier p				
			Service ID value.				
			Data Element Summary				
			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name	Attributes			
Must Use	_		<u>Name</u> Agency Qualifier Code	Attributes M ID 2/2			
Must Use	Des.	<u>Element</u>	Name Agency Qualifier Code Code identifying the agency assigning the code values				
Must Use	Des.	<u>Element</u>	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code:				
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry	M ID 2/2			
Must Use Must Use	<u>Des.</u> SI01	<u>Element</u>	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier	M ID 2/2 M ID 2/2			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service	M ID 2/2 M ID 2/2 ee characteristics			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers represented by the type of service	M ID 2/2 M ID 2/2 the characteristics may be placed in			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI composition)	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI c in the SI segment when followed by the appropriate correspondence	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI composition)	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI content of the SI segment when followed by the appropriate correspondence) Product/Service ID (EDI data element 234).	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI context) The segment when followed by the appropriate correspondence of the service	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI c in the SI segment when followed by the appropriate correspondence/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI co in the SI segment when followed by the appropriate correspondence (Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI co in the SI segment when followed by the appropriate correspondenct/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI c in the SI segment when followed by the appropriate correspondence/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI c in the SI segment when followed by the appropriate correspondent of the SI segment when followed by the appropriate correspondent of the Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI c in the SI segment when followed by the appropriate correspondence/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID K2: Cable ID	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI didient expression) Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID K2: Cable ID K3: Shelf	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI dial in the SI segment when followed by the appropriate correspondenct/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID K2: Cable ID K3: Shelf K4: Slot	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI d in the SI segment when followed by the appropriate correspondenct/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI dial in the SI segment when followed by the appropriate correspondenct/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID K2: Cable ID K3: Shelf K4: Slot	M ID 2/2 M ID 2/2 the characteristics may be placed in data element 1000)			

			NM: Code for Number of Stations Requested for DID Feat	ure	
			NN: Code for Number of Stations to be Activated		
			OT: Old/Out Telephone Number		
			PE: Code for Pulse RI: Route Index		
			SA: Code for Service Activity		
			T5: Code for Terminal		
			T6: Transfer of Calls Option		
			T8: Code for Transfer to Secondary Number		
			TB: Code for Toll Billing Exception		
			TC: Code for Transfer Announcement Number		
			TH: Interim Number Portability Trunk Group		
			TN: Code for Telephone Number		
			TS: Code for Type of Signaling		
Must Use	SI03	234	Product/Service ID	Μ	AN 1/40
			Identifying number for a product or service		
			BellSouth valid IDs are listed here. These IDs may be place	ed in	any
			occurrence of a Product/Service ID (EDI data element 234)	in th	e SI segment
			when preceded by the appropriate corresponding Service C	harac	teristics
			Qualifer (EDI data element 1000).		
			If SI02 then SI03		
			C2 CFTN: Call Forward To Number		
			CM CKR: Customer Circuit Reference		
			CN ECCKT: Exchange Company Circuit ID DD DOP NUM: Dialing Plan Code (digits outpuls)	ad)	
			DD DOP NUM: Dialing Plan Code (digits outpulse FZ FPI: Freeze PIC Indicator	eu)	
			IP INPT: Interim Number Portability Type		
			K1 SYSTEM ID: System Identification		
			K2 CABLE ID: Cable Identification		
			K3 SHELF: Shelf Identification		
			K4 SLOT: Slot Identification		
			K5 RELAY RACK: Relay Rack Identification		
			K6 CHAN/PAIR: Channel/Pair		
			LM LRN: Local Routing No. (LNP)		
			NM NUM ST: Number of Stations Requested for D	ID Fe	ature
			NN ACTST: Number of Stations to be Activated		
			OT OTN: Old/Out Telephone Number		
			PE PULSE: Type of Pulsing		
			RI RTI: Route Index		
			SALNA: Line Activity TypeT5TER: Terminal		
			T6 TC OPT: Transfer of Calls Option		
			T8 TCTO-SECONDARY: Transfer of Calls to Sec	onda	ry No
			TB TBE: Toll Billing/Blocking Exception	onua	ly 140.
			TC TCTO-PRIMARY: Transfer Announcement N	umbe	r
			TH INPTG: Interim Number Portability Trunk Gro		
			TN TN: Telephone Number	1	
			TS SGNL: Type of Signaling		
	SI04	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of servi-	ce cha	aracteristics
	SI05	234	Product/Service ID	Х	AN 1/40
		-			

		Identifying number for a product or service		
SI06	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI07	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI09	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI11	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI13	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI15	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI17	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI19	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of ser	vice ch	aracteristics
SI21	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		

Segment:	PO3 Additional Item Detail
Position:	030
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To specify additional item-related data involving variations in normal price/quantity
	structure
Syntax Notes:	1 If PO304 is present, then at least one of PO303 or PO305 is required.
Semantic Notes:	
Comments:	1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
	2 PO307 defines the unit of measure for PO306.

Must Use	Ref. <u>Des.</u> PO301	Data <u>Element</u> 371	Name Change Reason Code Code specifying the reason for price or quantity change BellSouth valid code:	Att M	<u>ributes</u> ID 2/2
Not Used	PO302	373	QO Quantity Ordered Date Date (YYMMDD)	0	DT 6/6
Not Used	PO303	236	Price Identifier Code Code identifying pricing specification	X	ID 3/3
Not Used	PO304	212	Unit Price Price per unit of product, service, commodity, etc.	0	R 1/17
Not Used	PO305	639	Basis of Unit Price Code Code identifying the type of unit price for an item	X	ID 2/2
Must Use	PO306	380	Quantity Numeric value of quantity TNP: Total Number of Paths	Μ	R 1/15
Must Use	PO307	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being express which a measurement has been taken EA Each	M ssed, o	ID 2/2 r manner in
Not Used	PO308	352	Description A free-form description to clarify the related data element	O s and t	AN 1/80 heir content

Segment:	PID Product/Item Description
Position:	050
Loop:	PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F'$, then $PID05$ is used. If $PID01 = S'$, then $PID04$ is used. If $PID01 = PID01 = PID01$
	``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.
	3 PID07 specifies the individual code list of the agency specified in PID03.

			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>
Must Use	PID01	349	Item Description Type	Μ	ID 1/1
			Code indicating the format of a description		
			BellSouth valid code:		
			X Semi-structured (Code and Text)		
Not Used	PID02	750	Product/Process Characteristic Code	0	ID 2/3
			Code identifying the general class of a product or process of	harac	cteristic
	PID03	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	Х	AN 1/12
			A code from an industry code list which provides specific or characteristic	lata a	bout a product
			BC: Code for Ten-Digit Trigger (LNP)		
			CFA: Code for Connecting Facility Assignment		
	PID05	352	Description	Х	AN 1/80
			A free-form description to clarify the related data elements	and t	heir content
			If PID04 then PID05		
			CFA CFA: Connecting Facility Assignment		
Not Used	PID06	752	Surface/Layer/Position Code	0	ID 2/2
			Code indicating the product surface, layer or position that	is bein	ng described

Not Used	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by t	O he Soi	AN 1/15 urce Qualifier
	PID08	1073	Yes/No Condition or Response Code	0	ID 1/1
			Code indicating a Yes or No condition or response		
			If PID04 then PID08		
			BC TDT: Ten Digit Trigger (LNP)		

Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes: ntic Notes: Comments:	210 PO1 Detail Optional 10 To specif 1 At le	fy pertinent dates and east one of DTM02 I			
			Data Ele	ement Summary		
Must Use	Ref. <u>Des.</u> DTM01	Data <u>Element</u> 374		pe of date or time, or both date and time	<u>Attı</u> M	ributes ID 3/3
			BellSouth valid coo			
			244 376	Estimated Start The revised plan or estimate of the sta or activity Delivery End The date that deliveries will end	rt dat	e for a task
	DTM02	373	Date		X	DT 6/6
				ГМ02 PER-DATE: Transfer Calls to Period Da DATE: Directory Listing Date	ate	
Not Used	DTM03	337	HHMMSSD, or HH 59), $S = integer sec$	24-hour clock time as follows: HHMM, HMMSSDD, where $H =$ hours (00-23), N conds (00-59) and DD = decimal second llows: D = tenths (0-9) and DD = hundr	A = m s; dec	ninutes (00- vimal seconds
Not Used	DTM04	623	Time Code Code identifying th Organization stand indication in hours	the time. In accordance with International lard 8601, time can be specified by a + o in relation to Universal Time Coordinat ed character, + and - are substituted by H	0 l Stan r - an te (U	ID 2/2 adards d an ΓC) time;
	DTM05	624	Century		0	N0 2/2
			If DTM01 then DT			
				PER-DATE-CC: Transfer of Calls Date DATE-CC: Advance Dir. Listing Date O		•
Not Used	DTM06	1250	Date Time Period	Format Qualifier	Х	ID 2/3
 . -			-	e date format, time format, or date and the		
Not Used	DTM07	1251	Date Time Period Expression of a dat	e, a time, or range of dates, times or dat	X es an	AN 1/35 d times

Expression of a date, a time, or range of dates, times or dates and times

Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes: ntic Notes: Comments:	 At le If eit This organ prov. 	fy a party by type of organization, name, and code ast one of N102 or N103 is required. her N103 or N104 is present, then the other is required. segment, used alone, provides the most efficient method of nizational identification. To obtain this efficiency the "ID C de a key to the table maintained by the transaction processis and N106 further define the type of entity in N101.	ode" (N104) must
	-	-	Data Element Summary	
	Ref.	Data	NT	A 44
Must Use	<u>Des.</u> N101	<u>Element</u> 98	<u>Name</u> Entity Identifier Code	<u>Attributes</u> M ID 2/2
Must Osc		70	Code identifying an organizational entity, a physical locati	
			BellSouth valid codes:	
			8B Primary Residence	
			8C Second Home	
			8V Primary Intra-LATA (Local Access T	ransport Area)
			Carrier	runsport / neu)
			P9 Primary Interexchange Carrier (PIC)	
			Identifies the carrier who will handle the in	nterexchange calls
	N102	93	Name	X AN 1/35
			Free-form name	
			If N101 then N102	
			8B TC NAME-PRIMARY: Primary Name to Tran	
			8C TC NAME-SECONDARY: Second Name to T	ransfer Calls To
			8V (not used in N102)	
	N103	66	P9 (not used in N102) Identification Code Qualifier	X ID 1/2
	11103	UU	Identification Code Qualifier Code designating the system/method of code structure used	
			Code (67)	
			BellSouth valid code:	
			41 Telecommunications Carrier Identific	ation Code
			Identifies the Interexchange carrier for	r the charges
			being billed	C
	N104	67	Identification Code	X AN 2/20
			Code identifying a party or other code	
			If N101 & N103 then N104	
			P9 41 PIC: Primary Interexchange Carrier (
Not Ugod	N105	706	8V 41 LPIC: Local Primary Interexchange C	
Not Used	11102	/00	Entity Relationship Code Code describing entity relationship	O ID 2/2
Not Used	N106	98	Entity Identifier Code	O ID 2/2
100 Obeu		20	Code identifying an organizational entity, a physical locati	

Segment:	SLN Subline Item Detail
Position:	470
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If SLN07 is present, then SLN06 is required.
	2 If SLN08 is present, then SLN06 is required.
	3 If either SLN09 or SLN10 is present, then the other is required.
	4 If either SLN11 or SLN12 is present, then the other is required.
	5 If either SLN13 or SLN14 is present, then the other is required.
	6 If either SLN15 or SLN16 is present, then the other is required.
	7 If either SLN17 or SLN18 is present, then the other is required.
	8 If either SLN19 or SLN20 is present, then the other is required.
	9 If either SLN21 or SLN22 is present, then the other is required.
	10 If either SLN23 or SLN24 is present, then the other is required.
	11 If either SLN25 or SLN26 is present, then the other is required.
	12 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1 SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 See the Data Dictionary for a complete list of ID's.
00000000	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number.
	Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	 3 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
	To example. Case, Color, Drawing No., Of C No., ISBN No., Woder No., SKU.

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>	Att	ributes
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation with	M nin a tr	AN 1/11 ansaction set
Not Used	SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation with	O nin a tr	AN 1/11 ansaction set
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities BellSouth valid code:	Μ	ID 1/1
			I Included		
Must Use	SLN04	380	Quantity Numeric value of quantity	Μ	R 1/15
Must Use	SLN05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being express which a measurement has been taken BellSouth valid code: EA Each	M ssed, o	ID 2/2 r manner in

	Data Interc		DI) Transaction Set, Version 3050	Issue: 7f Volume: 4	
ensouth	oou Purcha	se Urder		volume: 4	
ot Used	SLN06	212	Unit Price Price per unit of product, service, commodity, etc.	X	R 1/17
ot Used	SLN07	639	Basis of Unit Price Code Code identifying the type of unit price for an item	0	ID 2/2
ot Used	SLN08	662	Relationship Code Code indicating the relationship between entities	0	ID 1/1
ot Used	SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive Product/Service ID (234)	X number used	ID 2/2 in
ot Used	SLN10	234	Product/Service ID (254) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN11	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN12	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN14	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN15	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN16	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN17	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN18	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN20	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN21	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN22	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN23	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN24	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
ot Used	SLN25	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive	X number used	ID 2/2 in
ot Used	SLN26	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40

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

Segment:	SI Service Characteristic Identification
Position:	480
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	20
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:	BellSouth usage:
	SI04 through SI21 data segments may be transmitted in pairs as indicated below
	"stacked" or "strung out" in one lineon any of the 20 SI segments allotted, as long as the
	appropriate Service Characteristics Qualifier precedes the Product/Service ID value. *
	*For hunting, the SG/HUNT GROUP ID combination must follow the FEATURE and any
	associated optional FEATURE DETAIL, as shown in the following example:
	SI*TI*SA*fa*SF*feature*FD*featuredetail*99*moredetail*SG*huntgroupid
	Please note: BellSouth has changed the maximum usage to 20 for this segment and the
	maximum length for EDI data element 234 to 30.
	Data Element Summary

	Ref. Des.	Data Element	Name	Att	ributes		
Must Use	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values	M	ID 2/2		
			BellSouth valid code:				
			TI Telecommunications Industry				
Must Use	SI021000Service Characteristics Qualifier Code from an industry code list qualifying the type of ser		M ce ch	ID 2/2 aracteristics			
			SA: Service Activity Code				
Must Use	ust Use SI03 234		Product/Service ID Identifying number for a product or service	Μ	AN 1/30		
			If SI02 then SI03 SA FA: Feature Activity Type				
	SI04	1000	Service Characteristics Qualifier	Х	ID 2/2		
			Code from an industry code list qualifying the type of service character				
			SF: Code for Features found in TCIF List				
			SC: Code for Features found in BellSouth List				

SI05	234	Product/Service ID	Х	AN 1/30
		Identifying number for a product or service		
		If SI04 then SI05		
		SF FEATURE: Features found in TCIF List		
STOC	1000	SC FEATURE: Features found in BellSouth List	v	ID 2/2
SI06	1000	Service Characteristics Qualifier FD: Code for Additional Feature Detail	X	ID 2/2
		99: Code for continuation of Feature Detail		
		SG: Code for Service Group		
		Code from an industry code list qualifying the type of service	ce cha	racteristics
SI07	234	Product/Service ID	Х	AN 1/30
		If SI06 then SI07		
		FD FEATURE-DETAIL: Additional Feature		
		Detail		
		99 Continuation of FEATURE-DETAILSG HUNTING: Hunt Group ID		
		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of service	e cha	racteristics
SI09	234	Product/Service ID	X	AN 1/30
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of service	e cha	racteristics
SI11	234	Product/Service ID	X	AN 1/30
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of service	e cha	racteristics
SI13	234	Product/Service ID	X	AN 1/30
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of service		
SI15	234	Product/Service ID	Х	AN 1/30
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	ID 2/2
~~		Code from an industry code list qualifying the type of service		
SI17	234	Product/Service ID	X	AN 1/30
0110	1000	Identifying number for a product or service	T 7	ID 4/4
SI18	1000	Service Characteristics Qualifier	X	ID 2/2
0110	224	Code from an industry code list qualifying the type of service		
SI19	234	Product/Service ID	X	AN 1/30
GTAA	1000	Identifying number for a product or service	T 7	ID 4/4
SI20	1000	Service Characteristics Qualifier	X	ID 2/2
0101	224	Code from an industry code list qualifying the type of service		
SI21	234	Product/Service ID	X	AN 1/30
		Identifying number for a product or service		

DID

	Segment:	PID	Product/Item Description	
	Position:	490		
	Loop:	SLN		
	Level:	Detail		
	Usage:	Optional		
	Max Use:	1000		
	Purpose:	To descri	be a product or process in coded or free-form format	
Syn	tax Notes:		D04 is present, then PID03 is required.	
			ast one of PID04 or PID05 is required.	
			2007 is present, then PID03 is required.	
Sema	ntic Notes:		D08 is present, then PID03 is required. PID03 to indicate the organization that publishes the code lis	t being referred to
Sema	nue motes.		4 should be used for industry-specific product description co	
			8 describes the physical characteristics of the product identif	
			ates that the specified attribute applies to this item. A ``N" in	
			7. Any other value is indeterminate.	
(Comments:		D01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04	is used. If $PID01 =$
			then both PID04 and PID05 are used.	1 • 1 • 1 • 1
			PID06 when necessary to refer to the product surface or layer	being described in the
		segm 3 PID0	7 specifies the individual code list of the agency specified in	PID03
	Notes:			11005.
	100005	BellSou	th usage: This PID segment is reserved for future use.	
		_	Data Element Summary	
	Ref.	Data		. .
		Element	<u>Name</u>	<u>Attributes</u>
Must Use	PID01	349	Item Description Type	M ID 1/1
			Code indicating the format of a description	
			BellSouth valid code:	
			X Semi-structured (Code and Text)	
Not Used	PID02	750	Product/Process Characteristic Code	O ID 2/3
			Code identifying the general class of a product or process ch	naracteristic
	PID03	559	Agency Qualifier Code	X ID 2/2
			Code identifying the agency assigning the code values	
			BellSouth valid code:	
			TI Telecommunications Industry	
	PID04	751	Product Description Code	X AN 1/12
	11004	751	A code from an industry code list which provides specific da	
			characteristic	ata about a product
			YPH: Code for Yellow Page Heading	
	DID05	252		X AN 1/80
	PID05	352	Description	
			A free-form description to clarify the related data elements	and their content
			If PID04 then PID05	
			YPH YPH: Yellow Page Heading	
Not Used	PID06	752	Surface/Layer/Position Code	O ID 2/2
			Code indicating the product surface, layer or position that is	
Not Used	PID07	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by th	-
Not Used	PID08	1073	Yes/No Condition or Response Code	O ID 1/1
			Code indicating a Yes or No condition or response	

Segment:	N1 _{Name}
Position:	530
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.

	Ref.	Data	Dutu L	lenent Summary					
	Des.	<u>Element</u>	Name	~ -	<u>Att</u> M	<u>ributes</u> ID 2/2			
Must Use	N101	98		Entity Identifier Code Code identifying an organizational entity, a physical locati					
					on, or	r an individual			
			BellSouth valid co						
			EN	End User					
			IT	Installation on Site					
	N102	93	Name		Х	AN 1/35			
			Free-form name						
			If N101 then N102						
				First Line Listing Name					
			IT EU-NAME: Service Name * *not currently being used by BellSouth						
	N103	66			X	ID 1/2			
	11105	00		Identification Code QualifierXICode designating the system/method of code structure used for Iden					
			Code (67)	the system/method of code structure used	1 101 1	dentification			
			BellSouth valid co	ode:					
			93	Code assigned by the organization or	ginat	ing the			
				transaction set	0	C			
			SI	Standard Industry Code (SIC)					
	N104	67	Identification Co	de	Х	AN 2/20			
			Code identifying a	a party or other code					
			If N101 & N103 t	hen N104					
			EN 93	LIST: Type of Listing (Codes Provideo	l by B	BellSouth)			
			IT SI	SICCODE: Standard Industry Code *					
		-0.6		ng used by BellSouth	0	ID 4/4			
Not Used	N105	706	Entity Relationsh	-	0	ID 2/2			
	N107	00	Code describing e	•	0	ID 0/0			
Not Used	N106	98	Entity Identifier		0	ID 2/2			
			Code identifying a	an organizational entity, a physical locati	011, 01	an murvioual			

Segmer	nt: N2 A	dditional I	Name Information	
Positio	on: 540			
Loo	p: N1			
Leve	el: Detail			
Usag	ge: Optional			
Max Us	se: 6			
Purpos	se: To specif	y additiona	al names or those longer than 35 characters in length	
Syntax Note	es:	-		
Semantic Note				
Comment	ts:			
Note	es: BellSout	h usage rul	les: This segment can occur up to 6 times to accommo	date the
	Listing N	Name inform	mation	
			Data Element Summary	
Ref.	Data			
Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Must Use N201	93	Name	Μ	AN 1/35
		Free-form	n name	
		If N101 th	hen N201	
		EN	LISTED NAME OVERFLOW: Additional Listing	Name Info
N202	93	Name	0	AN 1/35
		Free-form	n name	
		If N101 tl	hen N202	
		EN	LISTED NAME OVERFLOW: Additional Listing	Name Info

Segment:	${f N3}$ Address Information
Position:	550
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

	Ref.	Data			
	Des.	<u>Element</u>	Name	Att	ributes
Must Use	N301	166	Address Information	Μ	AN 1/35
			Address information		
			If N101 then N301		
			EN LA: Listing Address		
			IT EU-STREET 1: Service Address *		
			*not currently being used by BellSouth		
	N302	166	Address Information	0	AN 1/35
			Address information		
			If N101 then N302		
			EN continuation of LA (Listing Address)		
			IT EU-STREET 2: continuation of Service Addres	s *	
			*not currently being used by BellSouth		

Segment:	N4 Geographic Location
Position:	560
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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

	Ref.	Data	2 and Literation Summary			
	Des.	Element	Name	Att	ributes	
	N401	19	City Name	0	AN 2/30	
			Free-form text for city name			
			If N101 then N401			
			IT EU-CITY: City of Service *			
			*not currently being used by BellSouth			
	N402	156	State or Province Code	0	ID 2/2	
			Code (Standard State/Province) as defined by appropriate government agence			
			If N101 then N402			
			IT EU-STATE: State of Service *			
			*not currently being used by BellSouth			
	N403	116	Postal Code	0	ID 3/11	
			Code defining international postal zone code excluding pu	nctua	tion and	
			blanks (zip code for United States)			
			If N101 then N403			
			IT EU-ZIP CODE: Zip Code of Service *			
			•			
			*not currently being used by BellSouth	~		
Not Used	N404	26	*not currently being used by BellSouth Country Code	0	ID 2/3	
Not Used	N404	26	*not currently being used by BellSouth Country Code Code identifying the country	0		
Not Used Not Used	N404 N405	26 309	*not currently being used by BellSouth Country Code Code identifying the country Location Qualifier	O X	ID 2/3 ID 1/2	
			*not currently being used by BellSouth Country Code Code identifying the country	-		
			*not currently being used by BellSouth Country Code Code identifying the country Location Qualifier	-		

Segment:	NX2 Real Estate Property ID Component
Position:	570
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	3
Purpose:	To define types and values for geographic location of real estate property
Syntax Notes:	
Semantic Notes:	1 NX201 defines the type of address component.
	2 NX202 defines the address component indentified in NX201.
	3 NX203 is used to designate the county of the property.

Comments:

	Ref. <u>Des.</u>	Data <u>Element</u>	Name		Att	<u>ributes</u>
Must Use	NX201	1106	Address Compone	nt Qualifier	Μ	ID 2/2
			Code qualifying the	e type of address component		
			BellSouth valid cod	les:		
			12	Building Name		
			32	Floor		
				A particular floor or level of a building	ıg	
			35	Room		
				A walled room or partitioned area of a	a buil	ding
Must Use	NX202	166	Address Information		Μ	AN 1/35
			If N101 & NX201	then NX202		
			IT 12	EU-BLDG: Building Location of Ser	vice *	:
			IT 32	EU-FLOOR: Floor Location of Servi	ce *	
			IT 35	EU-ROOM: Room Location of Servi	ce *	
			*not currently bein	g used by BellSouth		
Not Used	NX203	1096	County Designator		0	ID 5/5
			Code identifying th	e county within a state		

Segment:	CTT Transaction Totals					
Position:	010					
Loop:						
Level:	Summary					
Usage:	Mandatory					
Max Use:	1					
Purpose:	To transmit a hash total for a specific element in the transaction set					
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.					
	2 If either CTT05 or CTT06 is present, then the other is required.					
Semantic Notes:						
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.					

	Ref.	Data	2				
	Des.	Element	Name	Att	<u>ributes</u>		
Must Use	CTT01	354	Number of Line Items	Μ	N0 1/6		
			Total number of line items in the transaction set				
			Total Number of PO1 Segments				
Not Used	CTT02	347	Hash Total	0	R 1/10		
			Sum of values of the specified data element. All values in the data element				
			will be summed without regard to decimal points (explicit or implicit) or				
			signs. Truncation will occur on the left most digits if the su	ım is	greater than		
	CTTA	01	the maximum size of the hash total of the data element.	N 7	D 1/10		
Not Used	CTT03	81	Weight	X	R 1/10		
			Numeric value of weight				
Not Used	CTT04	355	Unit or Basis for Measurement Code	X	ID 2/2		
			Code specifying the units in which a value is being express which a measurement has been taken	ea, or	r manner in		
Not Used	CTT05	183	Volume	x	R 1/8		
1101 Oscu	01105	105	Value of volumetric measure	2	K 1/0		
Not Used	CTT06	355	Unit or Basis for Measurement Code	x	ID 2/2		
Hot Oseu	C1100	555	Code specifying the units in which a value is being express				
			which a measurement has been taken	c a, 01	i manner m		
Not Used	CTT07	352	Description	0	AN 1/80		
	-		A free-form description to clarify the related data elements	and 1	their content		
			÷ •				

	Segment:	SE T	ransaction Set Trailer						
	Position:	030							
	Loop:								
	Level:	Summary							
	Usage:	Mandatory							
	Max Use:	: 1							
	Purpose: To indicate the end of the transaction set and provide the count of the transmitted segment (including the beginning (ST) and ending (SE) segments).								
Syntax Notes: Semantic Notes:			s the last segment of each transaction set.						
Data Element Summary Ref. Data									
	Des.	Element	Name	Δttı	ributes				
Must Use	<u>501</u>	<u>96</u>	Number of Included Segments		N0 1/10				
ivide ese	5201		Total number of segments included in a transaction set inc segments						
Must Use	SE02	329	Transaction Set Control Number	Μ	AN 4/9				
		Identifying control number that must be unique within the transaction set							
		functional group assigned by the originator for a transaction set							
	The value of the data element in ST02 in the Transaction Set Header (ST) must match the value of this same data element in SE02 in the Transaction Set Trailer (SE).								

860 Purchase Order Change Request Transaction Set

Using the 860 Purchase Order Change Request Transaction Set within the context of an Electronic Data Interchange environment at BellSouth requires the following:

- A familiarity with both the EDI specifications which follow, and
- The BellSouth usage rules as stated on the individual data element sheets found throughout the various sections of Volume 1 of this LEO Implementation Guide.

For the most part, the data element characteristics and valid entries detailed on these data element sheets are the exact rules to be followed when transmitting data via EDI. There are, however, a few instances where EDI standards rules dictate a different data element characteristic or valid entry than the OBF rules contained on these sheets. These few exceptions are listed on the appropriate data segment pages which follow.

The Telecommunications Industry Forum's guidelines for implementing the ANSI ASC X12 (American National Standards Institute, Accredited Standards Committee) standards are the basis for the specifications contained in this section. In some instances, to meet the needs of Local Exchange Ordering, it has been necessary for BellSouth to go outside the boundaries of these guidelines. These few instances are clearly indicated in the following specifications.

Where, in the following specifications, the standards state that an entry is required (marked "Must Use" and attributes show M), an entry <u>is</u> required. Where an EDI data element attribute shows AN (alphanumeric) and minimum and maximum field lengths, these rules also must be adhered to; BellSouth usage rules (found on the individual data element sheets in Volume 1 of this guide) further define the data characteristics to be passed in the relevant data elements.

In summary, use of the 860 Purchase Order Change Request Transaction Set requires adherence to the rules stated in the following specifications based on ANSI ASC X12 standards <u>and</u> the BellSouth usage rules defined for each applicable data element. It is critical that the specifications in this section be followed to avoid translator rejections. It is equally important that the BellSouth usage rules listed on the individual data element sheets found throughout Volume 1 of this LEO Implementation Guide be followed when creating data content for this transaction set.

860 Purchase Order Change Request - Buyer Initiated

Functional Group ID=**PC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Heading:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
Must Use	020	BCH	Beginning Segment for Purchase Order Change	М	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	0	1		
	050	REF	Reference Numbers	0	>1		
Not Used	060	PER	Administrative Communications Contact	0	3		
Not Used	070	TAX	Tax Reference	0	>1		
Not Used	080	FOB	F.O.B. Related Instructions	0	>1		
Not Used	090	CTP	Pricing Information	0	>1		
Not Used	095	PAM	Period Amount	0	10		
Not Used	110	CSH	Header Sale Condition	0	5		
			LOOP ID - SAC			25	
	120	SAC	Service, Promotion, Allowance, or Charge	0	1		
Not Used	125	CUR	Information Currency	0	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	0	5		
Not Used	140	DIS	Discount Detail	0	20		
Not Used	145	INC	Installment Information	0	1		
	150	DTM	Date/Time Reference	0	10		
Not Used	160	LDT	Lead Time	0	12		
Not Used	180	LIN	Item Identification	0	5		n1
	185	SI	Service Characteristic Identification	0	2		
	190	PID	Product/Item Description	0	200		
Not Used	200	MEA	Measurements	0	40		
	210	PWK	Paperwork	0	25		
Not Used	220	PKG	Marking, Packaging, Loading	0	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	0	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	250	TD3	Carrier Details (Equipment)	0	12		

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Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	270	MAN	Marks and Numbers	0	10	
Not Used	274	G53	Maintenance Type	0	>1	
	275	TXI	Tax Information	0	>1	
			LOOP ID - AMT			>1
Not Used	277	AMT	Monetary Amount	0	1	
Not Used	278	AT	Financial Accounting	0	1	
Not Used	279	REF	Reference Numbers	0	>1	
			LOOP ID - N9			1000
	280	N9	Reference Number	0	1	
	290	MSG	Message Text	0	1000	
			LOOP ID - N1	-		200
	200	N11		0	1	200
	300	N1	Name	0	1	
	310	N2	Additional Name Information	0	2	
	320	N3	Address Information	0	2	
	330	N4	Geographic Location	0	>1	
	335	NX2	Real Estate Property ID Component	0	3	
	340	REF	Reference Numbers	0	12	
	350	PER	Administrative Communications Contact	0	>1	
Not Used	360	FOB	F.O.B. Related Instructions	0	1	
Not Used	370	TD1	Carrier Details (Quantity and Weight)	0	2	
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
Not Used	390	TD3	Carrier Details (Equipment)	0	12	
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	410	PKG	Marking, Packaging, Loading	0	200	
			LOOP ID - LM			>1
Not Used	420	LM	Code Source Information	0	1	
Not Used	430	LQ	Industry Code	М	>1	
		-	LOOP ID - SPI			>1
N-4 II J	4.40	CDI		0	1	>1
Not Used	440	SPI	Specification Identifier	0	1	
Not Used	450	REF	Reference Numbers	0	5	
Not Used	460	DTM	Date/Time Reference	0	5	
Not Used	470	MSG	Message Text	0	50	20
NT / TT 1	400	NT1	LOOP ID - N1	0		20
Not Used	480	N1	Name	0	1	
Not Used	490	N2	Additional Name Information	0	2	
Not Used	500	N3	Address Information	0	2	
Not Used	510	N4	Geographic Location	0	1	
Not Used	520	REF	Reference Numbers	0	20	
Not Used	530	G61	Contact	0	1	
Not Used	540	MSG	Message Text	0	50	
			LOOP ID - CB1			>1
Not Used	550	CB1	Contract and Cost Accounting Standards Data	0	1	

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Not Used	560	REF	Reference Numbers	О	20		
Not Used	570	DTM	Date/Time Reference	0	5		
Not Used	580	LDT	Lead Time	0	1		
Not Used	590	MSG	Message Text	0	50		

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>
		200	LOOP ID - POC			>1	
	010	POC	Line Item Change	0	1		
	018	SI	Service Characteristic Identification	0	5		
Not Used	020	CUR	Currency	0	1		
Not Used	025	CN1	Contract Information	0	1		
	030	PO3	Additional Item Detail	0	25		
Not Used	040	СТР	Pricing Information	0	>1		
Not Used	041	PAM	Period Amount	0	10		
Not Used	049	MEA	Measurements	0	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	0	1		
Not Used	060	MEA	Measurements	0	10		
Not Used	070	PWK	Paperwork	0	25		
Not Used	080	PKG	Marking, Packaging, Loading	0	200		
Not Used	090	PO4	Item Physical Details	0	>1		
Not Used	100	REF	Reference Numbers	0	>1		
Not Used	110	PER	Administrative Communications Contact	0	3		
			LOOP ID - SAC			25	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge	0	1		
Not Used	135	CUR	Information Currency	0	1		
Not Used	140	IT8	Conditions of Sale	0	1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	0	2		
Not Used	160	DIS	Discount Detail	0	20		
Not Used	165	INC	Installment Information	0	1		
Not Used	170	TAX	Tax Reference	0	>1		
Not Used	180	FOB	F.O.B. Related Instructions	0	>1		
Not Used	190	SDQ	Destination Quantity	0	500		
	200	DTM	Date/Time Reference	0	10		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	0	1		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	250	TD3	Carrier Details (Equipment)	0	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		
Not Used	270	MAN	Marks and Numbers	0	10		
Not Used	285	TC2	Commodity	0	2		
Not Used	290	TXI	Tax Information	0	>1		
Not Used	291	SPI	Specification Identifier	0	>1		

bell200	11 800	Purcha	se Order Change Request Transaction		5000	Volume: 4
ot Used	292	MSG	Message Text	0	>1	
			LOOP ID - SCH			200
lot Used	295	SCH	Line Item Schedule	0	1	
ot Used	300	TD1	Carrier Details (Quantity and Weight)	0	2	
ot Used	305	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
lot Used	310	TD3	Carrier Details (Equipment)	0	12	
lot Used	315	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
			LOOP ID - N9			1000
ot Used	320	N9	Reference Number	0	1	
lot Used	330	MSG	Message Text	0	1000	
ot Used	331	LS	Loop Header	0	1	
			LOOP ID - LDT			>1
ot Used	332	LDT	Lead Time	0	1	
ot Used	333	QTY	Quantity	0	>1	
ot Used	334	MSG	Message Text	0	1	
ot Used	335	REF	Reference Numbers	0	3	
			LOOP ID - LM			>1
lot Used	336	LM	Code Source Information	0	1	
ot Used	337	LQ	Industry Code	М	>1	
ot Used	338	LE	Loop Trailer	0	1	·
			LOOP ID - N1			200
	340	N1	Name	0	1	
ot Used	350	N2	Additional Name Information	0	2	
ot Used	360	N3	Address Information	0	2	
ot Used	370	N4	Geographic Location	0	1	
ot Used	375	NX2	Real Estate Property ID Component	0	3	
ot Used	380	REF	Reference Numbers	0	12	
ot Used	390	PER	Administrative Communications Contact	0	3	
ot Used	400	FOB	F.O.B. Related Instructions	0	1	
ot Used	405	SCH	Line Item Schedule	0	200	
ot Used	410	TD1	Carrier Details (Quantity and Weight)	0	2	
ot Used	420	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
ot Used	430	TD3	Carrier Details (Equipment)	0	12	
ot Used	440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
ot Used	450	PKG	Marking, Packaging, Loading	0	200	
- 4 1 7 1	4 - 1	LDT	LOOP ID - LDT	0	4	>1
ot Used	451	LDT	Lead Time	0	1	
ot Used	452	MAN	Marks and Numbers	0	10	
ot Used	453	QTY	Quantity	0	5	
ot Used	454	MSG	Message Text	0	1	
lot Used	455	REF	Reference Numbers	0	3	
			LOOP ID - SLN			1000
	460	SLN	Subline Item Detail	0	1	

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BellSouth Proprietary Information

Issue Date: 10/28/1999 Issue: 7f

Electron	ic Dat	a Intercl	ange Ordering Implementation Guide hange (EDI) se Order Change Request Transact	,		Issue Date: 10/28/199 Issue: 7f Volume: 4
	470	SI	Service Characteristic Identification	0	20	
	480	PID	Product/Item Description	0	1000	
Not Used	490	PO3	Additional Item Detail	0	104	
Not Used	495	TC2	Commodity	0	2	
			LOOP ID - SAC			10
Not Used	500	SAC	Service, Promotion, Allowance, or Charge Information	0	1	
Not Used	505	CUR	Currency	0	1	
Not Used	510	DTM	Date/Time Reference	0	10	
Not Used	512	CTP	Pricing Information	0	25	
Not Used	513	PAM	Period Amount	0	10	
Not Used	514	PO4	Item Physical Details	0	1	
Not Used	517	TAX	Tax Reference	0	3	
			LOOP ID - N1			10
	520	N1	Name	0	1	
	530	N2	Additional Name Information	0	>1	
	540	N3	Address Information	0	2	
	550	N4	Geographic Location	0	1	
	560	NX2	Real Estate Property ID Component	0	3	
Not Used	570	REF	Reference Numbers	0	12	
Not Used	580	PER	Administrative Communications Contact	0	3	
			LOOP ID - AMT			>1
Not Used	590	AMT	Monetary Amount	0	1	
Not Used	600	REF	Reference Numbers	0	1	
			LOOP ID - LM			>1
Not Used	610	LM	Code Source Information	0	1	
Not Used	620	LQ	Industry Code	М	>1	

Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	<u>No.</u>	ID	<u>Name</u>	Des.	Max.Use	Repeat	Comments
Must Use	010	CTT	Transaction Totals	Μ	1		n2
Not Used	020	AMT	Monetary Amount	0	5		n3
Must Use	030	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

- **1.** If segment LIN is used, do not use LIN01.
- 2. Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.
- **3.** When AMT is used, then one occurrence of AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Segment:	ST Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) 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 Summar	У

Must Use	Ref. <u>Des.</u> ST01	Data <u>Element</u> 143	<u>Name</u> Transaction Set Identifier Code	<u>Attributes</u> M ID 3/3
			Code uniquely identifying a Transaction Set	
			860 X12.15 Purchase Order Cha Initiated	ange Request - Buyer
Must Use	ST02	329	Transaction Set Control NumberMAN 4/9Identifying control number that must be unique within the transaction setfunctional group assigned by the originator for a transaction set	
			The value of the data element in ST02 in the Transaction Set Header (ST) must match the value of this same data element in SE02 in the Transaction Set Trailer (SE).	

Segment:	BCH Beginning Segment for Purchase Order Change			
Position:	020			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates			
Syntax Notes:				
Semantic Notes:	1 BCH06 is the date assigned by the purchaser to purchase order.			
	2 BCH09 is the seller's order number.			
	3 BCH10 is the date assigned by the sender to the acknowledgment.			
	4 BCH11 is the date of the purchase order change request.			
Comments:	- • •			

Data Element Su	mmary
-----------------	-------

	Ref.	Data	Data Element Summary		
			Nome	A ++	wibutog
Marge Ilas	Des.	Element	Name Transportion Set Durmone Code	M Att	ributes
Must Use	BCH01	353	Transaction Set Purpose Code	IVI	ID 2/2
			Code identifying purpose of transaction set		
			SUP: Supplement Type		
			BellSouth valid EDI usage:		
			01 = Cancellation		
			04 = Change (New Desired Due Date) (equivalent OBF	code	is 02)
	_ ~_ ~ ~		05 = Replace (equivalent OBF code is 03)		
Must Use	BCH02	92	Purchase Order Type Code	Μ	ID 2/2
			Code specifying the type of Purchase Order		
			TRAN-PO-TYPE-CODE		
			BellSouth valid code:		
			SS Supply or Service Order		
Must Use	BCH03	324	Purchase Order Number	Μ	AN 1/22
			Identifying number for Purchase Order assigned by the ord	lerer/r	ourchaser
			PON: Purchase Order Number		
Not Used	BCH04	328	Release Number	0	AN 1/30
			Number identifying a release against a Purchase Order pre	vious	ly placed by
			the parties involved in the transaction		
	BCH05	327	Change Order Sequence Number	0	AN 1/8
			Number assigned by the orderer identifying a specific char	ige or	revision to a
			previously transmitted transaction set		
			VER: Version Identification		
Must Use	BCH06	373	Date	Μ	DT 6/6
			Date (YYMMDD)		
Not Used	BCH07	326	Request Reference Number	0	AN 1/45
			Reference number or RFQ number to use to identify a part	icular	transaction
			set and query (additional reference number or description	which	can be used
			with contract number)		
Not Used	BCH08	367	Contract Number	0	AN 1/30
			Contract number		
Not Used	BCH09	127	Reference Number	0	AN 1/30

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BellSouth	860 Purcha	se Order	Change Request Transaction Set, Version 3050	Volu	me: 4
Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.					
Not Used	BCH10	373	Date Date (YYMMDD)	0	DT 6/6
Not Used	BCH11	373	Date Date (YYMMDD)	0	DT 6/6
Not Used	BCH12	1166	Contract Type Code Code identifying a contract type	0	ID 2/2
Not Used	BCH13	786	Security Level Code Code indicating the level of confidentiality assigned by the information following	O he send	ID 2/2 ler to the
	BCH14	587	Acknowledgment Type Code specifying the type of acknowledgment RTR: Response Type Requested BellSouth valid EDI code:	0	ID 2/2
Not Used	BCH15	640	AT = Accepted (equivalent OBF code is C) Transaction Type Code Code specifying the type of transaction	0	ID 2/2
Not Used	BCH16	1232	Purchase Category Code identifying the broad category of products or servic	O tes bein	ID 2/2 g acquired

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

Must Use	Ref. <u>Des.</u> REF01	Data <u>Element</u> 128	NameAttributesReference Number QualifierMCode qualifying the Reference Number.				
			BellSouth valid code	es:			
			11	Account Number			
				Number identifies a telecommunication	ons industry account		
			12	Billing Account			
				Account number under which billing	is rendered		
			1V	Related Vendor Order Number			
				A vendor's order number that is in add order number	dition to a primary		
			2I	Tracking Number			
			AE	Authorization for Expense (AFE) Nur	nber		
			CO	Customer Order Number			
			GP	Government Priority Number			
			JB	Job (Project) Number			
			OW	Service Order Number			
				Number assigned when a customer or equipment and which appears on bill	ders service and		
			SY	Social Security Number			
	REF02	127	Reference Number		X AN 1/30		
				r identification number as defined for a	•		
			If REF01 then RE	as specified by the Reference Number (Juanner.		
				102 11 or BAN2: Billing Acct. Number 1 o	or 2		
				RD: Related Order Number			
				NO: Local Service Request Number			
				I: Subscriber Authorization Number			
				N: Related Purchase Order Number			
				Telecommunications Service Priority JECT: Project Identification			
				D: Order Number			
				SSN: Final Bill Contact Social Security	No. *		
			If REF01 & REF03				
			11 AN	AN: Account Number			
			11 ATN *Not currently being	ATN: Account Telephone No.			
			*Not currently being	s used by Delisoutil			

REF03	352	Description	Х	AN 1/80
		A free-form description to clarify the related data element	s and	their content
		If REF01 then REF03		
		11 AN or ATN		
		12 BI1 or BI2: Billing Acct. No. Identifier	1 or 2	

Segment:	SAC	Service, Promotion, Allowance, or Charge Information					
Position:	120						
Loop:	SAC						
Level:	Heading						
Usage:	Optional						
Max Use:	1						
Purpose:	To reque	To request or identify a service, promotion, allowance, or charge; to specify the amount or					
		ge for the service, promotion, allowance, or charge					
Syntax Notes:		ast one of SAC02 or SAC03 is required.					
		her SAC03 or SAC04 is present, then the other is required.					
		her SAC06 or SAC07 is present, then the other is required.					
		her SAC09 or SAC10 is present, then the other is required.					
		C11 is present, then SAC10 is required.					
		AC13 is present, then at least one of SAC02 or SAC04 is required.					
Comontio Notore		C14 is present, then SAC13 is required.					
Semantic Notes:		AC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.					
		05 is the total amount for the service, promotion, allowance, or charge. AC05 is present with SAC07 or SAC08, then SAC05 takes precedence.					
3 SAC05 is present with SAC07 of SAC05, then SAC05 takes precedence.3 SAC08 is the allowance or charge rate per unit.							
	 SACto is the anowance of charge rate per unit. SACto and SAC11 is the quantity basis when the allowance or charge quantity is 						
		rent from the purchase order or invoice quantity.					
		10 and SAC11 used together indicate a quantity range, which could be a dollar					
		ant, that is applicable to service, promotion, allowance, or charge.					
		C13 is used in conjunction with SAC02 or SAC04 to provide a specific reference					
	num	ber as identified by the code used.					
	6 SAC	14 is used in conjunction with SAC13 to identify an option when there is more than					
		option of the promotion.					
Comments:		04 may be used to uniquely identify the service, promotion, allowance, or charge. In					
		addition, it may be used in conjunction to further the code in SAC02.					
		In some business applications, it is necessary to advise the trading partner of the actual					
		r amount that a particular allowance, charge, or promotion was based on to reduce guity. This amount is commonly referred to a "Dollar Basis Amount". It is					
		esented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.					
	repre	sented in the brie segment in brie to using the quannel 'DO' Donars in brieby.					
		Data Element Summary					
Ref.	Data						
Des.	Element	Name <u>Attributes</u>					
Must Use SAC01	248	Allowance or Charge Indicator M ID 1/1					
		Code which indicates an allowance or charge for the service specified					
		BellSouth valid code:					
		N No Allowance or Charge					
Not Used SAC02	1300	Service, Promotion, Allowance, or Charge Code X ID 4/4					
<u> </u>		Code identifying the service, promotion, allowance, or charge					
SAC03	559	Agency Qualifier Code X ID 2/2					
		Code identifying the agency assigning the code values					
		BellSouth valid code:					
		TI Telecommunications Industry					

	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotior charge	X n, allo	AN 1/10 owance, or	
			EEH: Engineering Charge (equivalent OBF name is AENE EXP: Expedited Service OAC: Overtime Loading (Additional Labor) (equivalent C ALBR) VT: Variable Term Agreement		ame is	
Not Used	SAC05	610	Amount Monetary amount	0	N2 1/15	
Not Used	SAC06	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent	X t is ca	ID 1/1 lculated	
Not Used	SAC07	332	Percent Percent expressed as a percent	X	R 1/6	
Not Used	SAC08	118	Rate Rate expressed in the standard monetary denomination for specified	O the c	R 1/9 urrency	
Not Used	SAC09	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being express which a measurement has been taken	X sed, o	ID 2/2 r manner in	
Not Used	SAC10	380	Quantity Numeric value of quantity	X	R 1/15	
Not Used	SAC11	380	Quantity Numeric value of quantity	0	R 1/15	
Not Used	SAC12	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or ch	O narge	ID 2/2	
Not Used	SAC13	127	Reference Number Reference number or identification number as defined for a Transaction Set, or as specified by the Reference Number (-		
Not Used	SAC14	770	Option Number A unique number identifying available promotion or allow more than one is offered	0	AN 1/20	1
	SAC15	352	Description	0	AN 1/80	
			A free-form description to clarify the related data elements		their content	
			VTA: Variable Term Pricing Description (use if SAC04=V	1)		

Segment:	DTM Date/Time Reference
Position:	150
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	

	Ref.	Data	Da	ta Element Summary		
	Des.	Element	Name		Att	ributes
Must Use		374	Date/Time Q	ualifier	M	ID 3/3
			-	ng type of date or time, or both date and time		
			BellSouth val	id codes:		
			007	Effective		
			097	Transaction Creation		
			150	Service Period Start		
			151	Service Period End		
			201	Acceptance		
			270	Date Filed		
			992	Date Requested		
	DTM02	373	Date		Х	DT 6/6
			Date (YYMM	(DD)		
			If DTM01 the	en DTM02		
			007	EBD: Effective Bill Date		
			097	D/SENT: Date Sent		
			150	DDD: Desired Due Date		
			151	DDDO: Desired Due Date Out	_	
			201 270	LSP AUTH DATE: Local Svc. Provider A	uthor	riz. Date
Not Used	DTM03	337	Time	DATED: Agency Authorization Date	X	TM 4/8
Not Useu	DIWIUS	557		ed in 24-hour clock time as follows: HHMM,		
			-	or HHMMSSDD, where $H = hours (00-23)$, N		
				er seconds (00-59) and $DD =$ decimal second		•
			are expressed	as follows: $D = tenths$ (0-9) and $DD = hundr$	edths	(00-99)
Not Used	DTM04	623	Time Code		0	ID 2/2
			Code identify	ing the time. In accordance with Internationa	l Star	ndards
			-	standard 8601, time can be specified by $a + o$		
				hours in relation to Universal Time Coordina		, .
				stricted character, + and - are substituted by l	P and	M in the
	DTM05	624	codes that foll Century	low.	0	N0 2/2
	D 1 11103	047	-	characters in the designation of the year (CC)	-	110 4/4
			If DTM01 the			
			007	EBD-CC: Effective Bill Date Century Code		
			007	LDD CC. Effective Diff Date Century Code		

BellSouth Local Excha Electronic Data Interch BellSouth 860 Purchas	ange (El	DI)	n Guide (LEO-IG) ransaction Set, Version 3050	Issue Date: 10/28/1999 Issue: 7f Volume: 4		
DTM06	1250	150 DDD 151 DDD 201 LSP 270 DAT	NT-CC: Date Sent Century Code -CC: Desired Due Date Century Co O-CC: Desired Due Date Out Cen AUTH DATE-CC: LSP Authoriz. ED-CC: Agency Authoriz. Date Co Format Qualifier e date format, time format, or date a	atury Code Date Century Code entury Code X ID 2/3		
		BellSouth valid codes: RTM Range of Time Expressed in Format HHMM-HHMM A range of times expressed in the form HHMM-				
		TM	A range of times expressed in the HHMM where HH is the numeric in the day based on a twenty-four is the numerical expression of mi the first occurrence of HHMM is the second is the ending time Time Expressed in Format HHM	cal expression of hours hour clock and MM inutes within an hour; the starting time and		
			Time expressed in the format HH numerical expression of hours in twenty-four hour clock and MM expression of minutes within an l	the day based on a is the numerical		
DTM07	1251	Date Time Period		X AN 1/35		
		-	e, a time, or range of dates, times of	or dates and times		
		When DTM06 RTM Rang	M07 DT: Desired Frame Due Time (Ran ge (HHMM-HHMM) or (HHMM)	ige or Time)		

Pos I U Max	sition: 185 Loop: Level: Heading Jsage: Optional & Use: 2	rvice Characteristic Identification					
Syntax I Semantic I	 2 If eit 3 If eit 4 If eit 5 If eit 6 If eit 7 If eit 8 If eit 9 If eit 9 If eit 	 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 SI18 or SI19 is present, then the other is required. If either SI20 or SI21 is present, then the other is required. 					
Comn P	Notes: BellSout SI02 thre "stacked" allotted,	 SI01 defines the source for each of the service characteristics qualifiers. BellSouth usage: SI02 through SI21 data segments may be transmitted in pairs as indicated below "stacked" or "strung out" in one linein any order, on either of the two SI segments allotted, as long as the appropriate Service Characteristics Qualifier precedes the Product/Service ID value. Data Element Summary 					
	tef. Data Des. <u>Element</u> 1 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry	<u>Attributes</u> M ID 2/2				
Must Use SI0	2 1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of set BellSouth valid qualifiers are listed here. These qualifie any occurrence of a Service Characteristics Qualifier (EI in the SI segment when followed by the appropriate corr Product/Service ID (EDI data element 234). AA: Code for Account Activity BN: Code for Local Billing Account Number FB: Code for Final Bill Indicator IW: Code for Inside Wire Option IX: Code for Inside Wire Billing Account Number LR: Code for Design Routing Code LS: Code for Network Channel Code NI: Code for Network Channel Interface Code NJ: Code for Secondary Network Channel Interface Cod RE: Code for Service Sub-Category TP: Code for Telecommunications Provider Office	ers may be placed in DI data element 1000) esponding				

Must Use	SI03	234	Product/Service ID Identifying number for a product or service		AN 1/40
			BellSouth valid IDs are listed here. These IDs may be plac occurrence of a Product/Service ID (EDI data element 234) when preceded by the appropriate corresponding Service C Qualifer (EDI data element 1000).	in th	e SI segment
			If SI02 thenSI03AAACT: Account Activity TypeBNLOCBAN: Local Billing Account NumberFBFBI: Final Bill Type IndicatorIWIWO: Inside Wire OptionIXIWBAN: Inside Wire Billing Account NumberLRDRC: Design Routing CodeLSLSO: Local Servicing OfficeNCNC: Network Channel CodeNINCI: Network Channel Interface CodeNJSECNCI: Secondary Network Channel InterfaceREREQTYP: Requisition Type *SSSPEC: Service Sub-CategoryTPSC: Service CenterTYTOS: Type of ServiceUCBCS: Basic Class of Service* EDI recognizes REQTYP as a 1-char code. It is the first selection from the valid entry list shown in the BST usage r(elsewhere in this guide).	ace C	acter of your
	SI04	1000	Service Characteristics Qualifier	X	ID 2/2
	SI05	234	Code from an industry code list qualifying the type of service Product/Service ID	ce cha X	aracteristics AN 1/40
	5105	234	Identifying number for a product or service	Λ	AIN 1/40
	SI06	1000	Service Characteristics Qualifier	X	ID 2/2
	SI07	234	Code from an industry code list qualifying the type of service Product/Service ID Identifying number for a product or service	ce cha X	AN 1/40
	SI08	1000	Service Characteristics Qualifier	X	ID 2/2
	GTAA		Code from an industry code list qualifying the type of service		
	SI09	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
	SI10	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service	X ce cha	ID 2/2 aracteristics
	SI11	234	Product/Service ID	X	AN 1/40
	6110	1000	Identifying number for a product or service	N 7	ID 4/2
	SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of service	X ce ch	ID 2/2 aracteristics
	SI13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40

BellSouth Proprietary Information

SI14	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of service	ce cha	aracteristics
SI15	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of service	ce cha	aracteristics
SI17	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of service	ce cha	aracteristics
SI19	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of service	ce cha	aracteristics
SI21	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		

Segment:	PID Product/Item Description
Position:	190
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F'$, then $PID05$ is used. If $PID01 = S'$, then $PID04$ is used. If $PID01 = PID01$
	`X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.
	3 PID07 specifies the individual code list of the agency specified in PID03

3 PID07 specifies the individual code list of the agency specified in PID03.

	Ref.	Data Element	Name	A ++	ributes			
Must Use	<u>Des.</u> PID01	<u>349</u>	Item Description Type Code indicating the format of a description	M	ID 1/1			
			BellSouth valid code:					
			X Semi-structured (Code and Text)					
Not Used	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process	O charac	ID 2/3 eteristic			
	PID03	559	Agency Qualifier Code	Х	ID 2/2			
			Code identifying the agency assigning the code values					
			BellSouth valid code:					
			TI Telecommunications Industry					
	PID04	751	Product Description Code	Х	AN 1/12			
			A code from an industry code list which provides specific characteristic	data a	bout a product			
			AH: Coordinated Hot Cut is Requested					
			AN: Special Construction is Pre-Authorized					
			AO: Agency Authorization Status					
			AF: End User is Moving YPH: Code for Yellow Page Heading					
	PID05	352	Description	Х	AN 1/80			
			A free-form description to clarify the related data elements	s and t	heir content			
			If PID04 then PID05					
			YPH YPH: Code for Yellow Page Heading					

ot Used	PID06	752	Surface/Layer/Position Code			0	ID 2/2	
			Code ind	licating the pro	oduct surface, layer or position that	t is bein	ng described	
	PID07	822	Source S	Subqualifier	0	AN 1/15		
			A referen	nce that indica	the Sou	urce Qualifier		
			SO-RSQ					
	PID08	1073	Yes/No	Condition or I	0	ID 1/1		
			Code indicating a Yes or No condition or response					
			If PID04	& PID07 th	en PID08			
			AH	SO-RSQ	CHC: Coordinated Hot Cut			
AN SO-RSQ SCA:					SCA: Special Construction			
		AO SO-RSQ AGAUTH: Agency Authorization						
			AF	SO-RSQ	EUMI: End User Moving (equiv	valent (OBF code is 01)	

Segment:	PWK Paperwork
Position:	210
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	25
Purpose:	To identify the type and transmission of paperwork or supporting information
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:	
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number.
	2 PWK07 may be used to indicate special information to be shown on the specified report.
	3 PWK08 may be used to indicate action pertaining to a report.

	-	-	Data Element Summary			
	Ref.	Data				
	Des.	Element	Name		<u>ributes</u>	
Must Use	PWK01	755	Report Type Code		M ID 2/2	
			Code indicating the title or contents of a document,	report or sup	porting item	
			BellSouth valid code:			
			DI Directory			
			Reports that provide informati product, etc.	on about a su	bject, name,	
Not Used	PWK02	756	Report Transmission Code	0	ID 1/2	
			Code defining timing, transmission method or form be sent	hat by which	reports are to	
			BW Best Way (Sender's Option)			
	PWK03	757	Report Copies Needed	0	N0 1/2	
			The number of copies of a report that should be sen	t to the addre	essee	
			If PWK07 then PWK03			
			WP WPQTY: Number of White Pages	Books Order	ed	
			YP YPQTY: Number of Yellow Pages			
Not Used	PWK04	98	Entity Identifier Code	0	ID 2/2	
			Code identifying an organizational entity, a physical	al location, or	an individual	
Not Used	PWK05	66	Identification Code Qualifier	Х	ID 1/2	
			Code designating the system/method of code structu Code (67)	ure used for I	dentification	
Not Used	PWK06	67	Identification Code	Х	AN 2/20	
			Code identifying a party or other code			
	PWK07	352	Description	0	AN 1/80	
			A free-form description to clarify the related data el	lements and t	heir content	
			WP: Code for White Pages Books			
			YP: Code for Yellow Pages Books			
Not Used	PWK08	C002	Actions Indicated	0		
			Actions to be performed on the piece of paperwork	identified		
Not Used	C00201	704	Paperwork/Report Action Code	Μ	ID 1/2	
			Code specifying how the paperwork or report that is			
			segment relates to the transaction set or to identify	the action that	at is required	
Not Used	C00202	704	Paperwork/Report Action Code	0	ID 1/2	
			Code specifying how the paperwork or report that is	s identified ir	n the PWK	

			segment relates to the transaction set or to identify the action that is required				
Not Used	C00203	704	Paperwork/Report Action Code	0	ID 1/2		
			Code specifying how the paperwork or report that is identi	fied ir	n the PWK		
			segment relates to the transaction set or to identify the acti	on the	at is required		
Not Used	C00204	704	Paperwork/Report Action Code	0	ID 1/2		
			Code specifying how the paperwork or report that is identi	fied ir	n the PWK		
			segment relates to the transaction set or to identify the acti	on the	at is required		
Not Used	C00205	704	Paperwork/Report Action Code	0	ID 1/2		
			Code specifying how the paperwork or report that is identified in the PWK				
			segment relates to the transaction set or to identify the action that is required				

Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes:	275 Heading Optional >1 To specif 1 At le 2 If eit 3 If T2 1 TXI	Ty tax information east one of TXI02 TXI03 or TXI06 is required. ther TXI04 or TXI05 is present, then the other is required. KI08 is present, then TXI03 is required. O7 is a code indicating the relationship of the price or amount to	o the a	ssociated segment.
(Comments:		D2 is the monetary amount of the tax. D3 is the tax percent expressed as a decimal.		
			All 2 is not used, then the application of the percent (TXI03) is betwee	een tra	ding partners.
		_	Data Element Summary		
	Ref.	Data <u>Element</u>	Name	A ++	<u>ributes</u>
Must Use	<u>Des.</u> TXI01	<u>963</u>	Tax Type Code	M	ID 2/2
			Code specifying the type of tax		
			BellSouth valid code:		
			TX All Taxes		
			Total of all applicable taxes		
Not Used	TXI02	782	Monetary Amount Monetary amount	Х	R 1/15
Not Used	TXI03	954	Percent Percentage expressed as a decimal	X	R 1/10
Not Used	TXI04	955	Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdic	X tion c	ID 2/2 ode
Not Used	TXI05	956	Tax Jurisdiction Code Code identifying the taxing jurisdiction	X	AN 1/10
	TXI06	441	Tax Exempt Code	X	ID 1/1
			Code identifying exemption status from sales and use tax BellSouth valid codes for TE: Tax Exemption (Note: L = Letter on File)		
			1 Yes (Tax Exempt)		
			2 No (Not Tax Exempt)		
			L Exempt Local Service	nioos	provided
			Indicates that telecommunications ser within the serving area are exempt fro		•
Not Used	TXI07	662	Relationship Code Code indicating the relationship between entities	0	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 all	owanc	ce, charge or
Not Used	TXI09	325	tax Tax Identification Number	0	AN 1/20
THE USED	1 /107	543	Number assigned to a purchaser (buyer, orderer) by a taxir (state, county, etc.); often called a tax exemption number of	ng juri	isdiction
Not Used	TXI10	350	Assigned Identification Alphanumeric characters assigned for differentiation within	0	AN 1/11

Segment:	N9 Reference Number
Position:	280
Loop:	N9
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference
	number qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
Semantic Notes:	1 N906 reflects the time zone which the time reflects.
Comments:	

			Data Element Summary				
	Ref.	Data					
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>		
Must Use	N901	128	Reference Number Qualifier	Μ	ID 2/2		
			Code qualifying the Reference Number.				
			BellSouth valid codes:				
			(Note: $H7 = retained and L1 = non-retained)$				
			H7 Standard Clause				
			L1 Letters or Notes				
	N902	127	Reference Number	Х	AN 1/30		
			Reference number or identification number as defined for Transaction Set, or as specified by the Reference Number				
			ORI Order Instructions (used when N901 = H7 or L1)				
	NOOS	2(0	ACC Access Instructions (used when $N901 = L1$)	T 7			
Not Used	N903	369	Free-form Description	Х	AN 1/45		
			Free-form descriptive text				
Not Used	N904	373	Date Date (YYMMDD)	0	DT 6/6		
Not Used	N905	337	Time	Х	TM 4/8		
			Time expressed in 24-hour clock time as follows: HHMM,	or HI	HMMSS, or		
			HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$, 1	M = n	ninutes (00-		
			59), $S = integer$ seconds (00-59) and $DD = decimal second$	ls; dec	cimal seconds		
			are expressed as follows: $D = tenths (0-9)$ and $DD = hundred and DD = hundred and $	edths	(00-99)		
Not Used	N906	623	Time Code	0	ID 2/2		
			Code identifying the time. In accordance with International				
			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				

Segment:	MSG Message Text								
Position:	290								
Loop:	N9								
Level:	Heading								
Usage:	Optional								
Max Use:	1000								
Purpose:	ose: To provide a free form format that would allow the transmission of text information.								
Syntax Notes:	-								
Semantic Notes:									
Comments:	1 MSG02 is not related to the specific characteristic page, advance a line, etc.	es of a printer, but identifies top of							
Def	Data Element Summary								
Ref.	Data El (N								
Des.	<u>Element</u> <u>Name</u>	<u>Attributes</u>							
Inst Use MSG01	933 Free-Form Message Text	M AN 1/264							

Must Use	MSG01	933	Free-Form Message Text Free-form message text		M	AN 1/264	
				ORI	MSG01 REMARKS: Remarks ACC: Access Information		
Not Used	MSG02	934	Printer Carri A field to be u		bl Code control of the line feed of the rec	O eiving	ID 2/2 printer

Segment:	N1 Name
Position:	300
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

		_		Data	Element Summary
	Ref.	Data	N		
M	<u>Des.</u>	Element	<u>Name</u>	1	Attributes
Must Use	N101	98	Entity Io		
				-	g an organizational entity, a physical location, or an individual
			BellSout	h valid	
			78		Service Requester
			AN		Authorized From
			BT		A geographic location designated as an authorized pick-up or origin point for a shipment Bill-to-Party
			BY		Buying Party (Purchaser)
			DA		Delivery Address
			DG		Design Engineering
					Identifies the design engineer or office of the design engineer who will receive design specifications
			IT		Installation on Site
			SE		Selling Party
			X1		Mail to
					An address to which a specified item is to be mailed
	N102	93	Name		X AN 1/35
			Free-form	n name	
			If N101 78 AN BT DA DG IT SE X1 & BY	then N103 25	N102 CCNA: Customer Carrier Name Abbrev. AUTHNM: Authorization Name BILLNM: Bill and Ship To Name DDA-NAME: Directory Delivery To Name DSGCON: Design/Engrg. Contact EU-NAME: End-User Name LSP AUTHNAME: Local Svc. Provider Authoriz. Name FB-BILLNM: Final Bill To Name CUST: Customer Name

	N103	66	Identification Co Code designating Code (67) BellSouth valid co	the system/method of code structure used	X d for I	ID 1/2 dentification
			25	Carrier's Customer Code		
			41	Telecommunications Carrier Identific	cation	Code
				Identifies the Interexchange carrier for being billed	or the	charges
			92	Assigned by Buyer or Buyer's Agent		
			SI	Standard Industry Code (SIC)		
	N104	67	Identification Co	de	Х	AN 2/20
			Code identifying a	a party or other code		
			If N101 & N103	then N104		
			BY 25	CC: Company Code		
			IT SI	SIC CODE: SIC Code		
			SE 41	LSP AUTH: Local Svc. Provider A		
			BT 92	ACNA: Access Customer Name Al	obrevi	ation
			78 41	CIC: Carrier Identification Code		
Not Used	N105	706	Entity Relations	-	0	ID 2/2
			Code describing e	ntity relationship		
Not Used	N106	98	Entity Identifier	Code	0	ID 2/2
			Code identifying a	an organizational entity, a physical locat	ion, o	r an individual

Segment:	${ m N2}$ Additional Name Information
Position:	310
Loop:	N1
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:	

Must Use	Ref. <u>Des.</u> N201	Data <u>Element</u> 93	Name Free-form nam	$\overline{\mathbf{M}}$	<u>ributes</u> AN 1/35
			If N101 then BT DA X1	N201 SBILLNM: Secondary Bill Name DDA-NAME2: Continuation of Delivery Name FB-SBILLNM: Final Bill Secondary Bill Name	
Not Used	N202	93	Name Free-form nam	0	AN 1/35

Segment:	N3 Address Information
Position:	320
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

Must Use	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information Address information	<u>Attı</u> M	<u>ributes</u> AN 1/35
			If N101N30178INIT-STREET: Initiator Street AddressBTBILLNM-STREET: Bill Name Street AddrDADDA-ADDRESS 1: Directory Delivery AddressDGDSGCON-STREET: Design/Engr. ContactITEU-STREET 1: End User Street AddressX1FB-STREET: Final Bill Street Address	ldress	
	N302	166	Address InformationAddress informationIf N101 then N302DADDA-ADDRESS 2: Continuation of DirectoryITEU-STREET 2: 2nd Line End User Street Addition	·	AN 1/35 very Address

Segment:	N4 Geographic Location
Position:	330
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 If N406 is present, then N405 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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

Ref. Des.Data Element N401Name City NameAttributes O A N 2/30Free-form text for city nameIf N101 78N40178NITI-CITY: Initiator City BT BILLNM-CITY: Directory Delivery City DGDADDA-CITY: Directory Delivery City DGDADDA-CITY: Directory Delivery City TDGDSGCON-CITY: Design/Engr. City TTRT0BILLNM-CITY: Final Bill CityN402156State or Provice CodeODGDSGCON-STATE: Directory Delivery City DGDADDA-STATE: Initiator State BTBTBILLNM-STATE: Bill Name State DGDADDA-STATE: Directory Delivery State DGDADDA-STATE: Detroty Delivery State DGDADDA-STATE: Final Bill StateVA03116Postal CodeOIf N101theN40378N40378N40378N40426County CoDE: Directory Delivery Zip Code DGDADDA-SCATE! CoDE: Initiator Zip Code BTBTBILLNM-ZIP CODE: Bill Name Zip Code BTBTBILLNM-ZIP CODE: Bill Name Zip Code BTBTBILLNM-ZIP CODE: Bill Bane Zip Code BTBTBILLNM-ZIP CODE: Bill Bane Zip Code BTBTBILLNM-ZIP CODE: Bill Bane Zip Code BTBTBILLNM-ZIP CODE: Bill Bill City Zip Code BABTBILLNM-ZIP CODE: Bill Bill City Zip Code BABTBILLNM-ZIP CODE: Bill Bill City Zip Code BT <t< th=""><th></th><th>D 4</th><th>D /</th><th>Data Element Summary</th><th></th><th></th></t<>		D 4	D /	Data Element Summary		
N40119City NameOAN 2/30Free-form text for city nameIf N101then N401				N	• • •	•1
N402 156 State or Province Code O ID 2/2 Code (Standard State/Province) as defined by appropriate government agency If N101 then N402 N403 116 Posal Code O ID 2/2 Code (Standard State/Province) as defined by appropriate government agency If N101 then N402 N403 116 Posal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 N403 116 Posal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 N403 116 Posal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 N403 116 Posal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 N6 DA/2IP CODE: Initiator Zip Code If N101 then N403 N6 DG<						
If N101 then N401 78 INIT-CITY: Initiator City BT BILLNM-CITY: Bill Name City DA DDA-CITY: Directory Delivery City DG DSGCON-CITY: Design/Engr. City IT EU-CITY: Final Bill City N402 156 State or Province Code O Code (Standard State/Province) as defined by appropriate government agency If N101 then N402 78 INIT-STATE: Initiator State BT BILLNM-STATE: Bill Name State DA DDA-STATE: Directory Delivery State DG DSGCON-STATE: Design/Engr. State IT EU-STATE: Final Bill State N403 116 Postal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 78 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DA-ZIP CODE: End User Zip Code DG DSGCON-ZIP CODE: Design/Engr. Zip Code If N101 then N403 78 78 INIT-ZIP CODE: Bill Name Zip Code		N401	19		0	AN 2/30
78 INIT-CITY: Initiator City BT BILLNM-CITY: Bill Name City DA DDA-CITY: Directory Delivery City DG DSGCON-CITY: Design/Engr. City IT EU-CITY: End User City X1 FB-CITY: Final Bill City X1 FB-CITY: Final Bill City X1 FB-CITY: Final Bill City K1 FB-CITY: FINAL Code Code (Standard State/Province) as defined by appropriate government agency If N101 then N402 78 INIT-STATE: Initiator State BT BILLNM-STATE: Bill Name State DG DSGCON-STATE: Design/Engr. State IT EU-STATE: Final Bill State X1 FB-STATE: Final Bill State X1 FB-STATE: Final Bill State N403 I16 Post II Code defining international postal zone code excluding punctuation and blanks (zip code BT IILLNM-ZIP				-		
BTBILLNM-CITY: Bill Name City DADADDA-CITY: Directory Delivery City DGDGDSGCON-CITY: Design/Engr. City ITEU-CITY: End User City X1FB-CITY: Final Bill CityN402156State or Province CodeOIf N101 thenN402 78If N101 thenN402 78If N101 thenN402 78If N101 thenN402 78IF B-STATE: Directory Delivery State DGDGDSGCON-STATE: Directory Delivery State DGDGDSGCON-STATE: Directory Delivery State DGDGDSGCON-STATE: Directory Delivery State N403N403116Postal CodeOIF N101 then N403 78N403N16Postal Code BT BILLNM-ZIP CODE: Initiator Zip Code BT DGBTBILLNM-ZIP CODE: Directory Delivery Zip Code DGDADDA-ZIP CODE: Directory Delivery Zip Code T EU-ZIP CODE: End User Zip Code BT AN6 UsedN40426Country Code Code identifying the countryNot UsedN40426Country Code Code identifying the country						
DADDA-CITY: Directory Delivery City DGDGDSGCON-CITY: Design/Engr. City ITEU-CITY: End User City X1FB-CITY: Final Bill CityN402156State or Province CodeOID 2/2Code (Standard State/Province) as defined by appropriate government agencyIf N101 thenN402 78N402If N101 thenN402 78FTBILLNM-STATE: Initiator State BTBILLNM-STATE: Bill Name State DADD A-STATE: Directory Delivery State DGD 3/11Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 78N1NT-ZIP CODE: Initiator Zip Code BTBILLNM-ZIP CODE: Bill Name Zip Code DGDADADDA-ZIP CODE: Directory Delivery Zip Code LDADADA-ZIP CODE: Design/Engr. Zip Code ITEU-SIG Code EU-ZIP CODE: End User Zip Code ZITO JD 2/3Not UsedN40426Country Code Code identifying the countryOID 2/3				5		
DGDSGCON-CITY: Design/Engr. City ITEU-CITY: End User City X1FB-CITY: Final Bill CityN402156State or Province CodeOID 2/2Code (Standard State/Province) as defined by appropriate government agencyIf N101thenN40278INIT-STATE: Initiator StateBTBILLNM-STATE: Bill Name StateDADDA-STATE: Directory Delivery StateDGDSGCON-STATE: Design/Engr. StateITEU-STATE: Final Bill StateN403116Postal CodeOID 3/11Code defining international postal zone code excluding punctuation and blanks (zip code for United States)If N101thenN40378INIT-ZIP CODE: Initiator Zip Code BTBTBILLNM-ZIP CODE: Bill Name Zip CodeDADDA-ZIP CODE: Directory Delivery Zip CodeITEU-ZIP CODE: Directory Delivery Zip CodeITEU-ZIP CODE: Directory Delivery Zip CodeITEU-ZIP CODE: End User Zip CodeITEU-ZIP CODE: End User Zip CodeITEU-ZIP CODE: End User Zip CodeX1FB-ZIP CODE: Final Bill Zip CodeNot UsedN40426Code identifying the countryOID 2/3						
ITEU-CITY: End User City X1FB-CITY: Final Bill CityN402156State or Province CodeOID 2/2Code (Standard State/Province) as defined by appropriate government agencyIf N101then N40278INIT-STATE: Initiator StateBTBILLNM-STATE: Bill Name StateDADDA-STATE: Directory Delivery StateDGDSGCON-STATE: Design/Engr. StateITEU-STATE: Final Bill StateN403116Postal CodeOID 3/11Code defining international postal zone code excluding punctuation and blanks (zip code for United States)If N101then N40378INIT-ZIP CODE: Bill Name Zip CodeBTBILLNM-ZIP CODE: Bill Name Zip CodeDADDA-ZIP CODE: Directory Delivery Zip CodeDADDA-ZIP CODE: Directory Delivery Zip CodeDADDA-ZIP CODE: Directory Delivery Zip CodeDADDA-ZIP CODE: End User Zip CodeNot UsedN40426Country CodeOID 2/3Code identifying the country						
X1FB-CITY: Final Bill CityN402156State or Province CodeOID 2/2Code (Standard State/Province) as defined by appropriate government agencyIf N101 thenN40278INIT-STATE: Initiator StateBTBILLNM-STATE: Bill Name StateDADDA-STATE: Directory Delivery StateDGDSGCON-STATE: Dosign/Engr. StateITEU-STATE: Final Bill StateN403116Postal CodeOID 3/11Code defining international postal zone code excluding punctuation and blanks (zip code for United States)If N101 thenN40378INIT-ZIP CODE: Initiator Zip CodeBTBILLNM-ZIP CODE: Bill Name Zip CodeDADDA-ZIP CODE: Directory Delivery Zip CodeDADDA-ZIP CODE: End User Zip CodeNot UsedN40426Country CodeCode identifying the country						
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Not Used N404 Code (Standard State/Province) as defined by appropriate government agency If N101 then N402 78 INIT-STATE: Initiator State BT BILLNM-STATE: Bill Name State DA DDA-STATE: Design/Engr. State IT EU-STATE: End User State X1 FB-STATE: Final Bill State VI Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DDA-ZIP CODE: Directory Delivery Zip Code DA DDA-ZIP CODE: End User Zip Code IT EU-ZIP CODE: End User Zip Code IT EU-ZIP CODE: End User Zip Code IT EU-ZIP CODE: Final Bill Zip Code IS DA IS Edientifying the country				,	-	
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78 INIT-STATE: Initiator State BT BILLNM-STATE: Bill Name State DA DDA-STATE: Directory Delivery State DG DSGCON-STATE: Design/Engr. State IT EU-STATE: End User State X1 FB-STATE: Final Bill State Code definity international postal zone code excluding punctuation and blanks (zip code If N101 the N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DDA-ZIP CODE: Directory Delivery Zip Code IT EU-ZIP CODE: Directory Delivery Zip Code IT EU-ZIP CODE: End User Zip Code Not Used N404 26 Routry Code identifying the country O				Code (Standard State/Province) as defined by appropriat	e gover	nment agency
BT BILLNM-STATE: Bill Name State DA DDA-STATE: Directory Delivery State DG DSGCON-STATE: Design/Engr. State IT EU-STATE: End User State X1 FB-STATE: Final Bill State N403 116 Postal Code O Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DDA-ZIP CODE: Directory Delivery Zip Code IT EU-ZIP CODE: End User Zip Code IT EU-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code O ID 2/3				If N101 then N402		
DA DDA-STATE: Directory Delivery State DG DSGCON-STATE: Design/Engr. State IT EU-STATE: End User State X1 FB-STATE: Final Bill State N403 116 Postal Code O Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DG DSGCON-ZIP CODE: Design/Engr. Zip Code IT EU-ZIP CODE: End User Zip Code IT EU-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code O ID 2/3 Code identifying the country O ID 2/3				78 INIT-STATE: Initiator State		
DG DSGCON-STATE: Design/Engr. State IT EU-STATE: End User State X1 FB-STATE: Final Bill State N403 116 Postal Code O IT Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DG DSGCON-ZIP CODE: Design/Engr. Zip Code IT EU-ZIP CODE: End User Zip Code IT EU-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code O ID 2/3 Code identifying the country O ID 2/3				BT BILLNM-STATE: Bill Name State		
IT EU-STATE: End User State X1 FB-STATE: Final Bill State N403 116 Postal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 N403 If N101 then N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DDA-ZIP CODE: Directory Delivery Zip Code DG DSGCON-ZIP CODE: Design/Engr. Zip Code Not Used N404 26 Country Code O ID 2/3				DA DDA-STATE: Directory Delivery State		
X1 FB-STATE: Final Bill State N403 116 Postal Code O ID 3/11 Code defining international postal zone code excluding punctuation and blanks (zip code for United States) Code defining international postal zone code excluding punctuation and blanks (zip code for United States) If N101 then N403 78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DA DDA-ZIP CODE: Design/Engr. Zip Code JG DG DSGCON-ZIP CODE: End User Zip Code IT EU-ZIP CODE: Final Bill Zip Code IT EU-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code O ID 2/3						
N403116Postal CodeOID 3/11Code defining international postal zone code excluding punctuation and blanks (zip code for United States)Code defining international postal zone code excluding punctuation and blanks (zip code for United States)If N101thenN40378INIT-ZIP CODE: Initiator Zip Code BTBTBILLNM-ZIP CODE: Bill Name Zip Code DADADDA-ZIP CODE: Directory Delivery Zip Code DGDGDSGCON-ZIP CODE: Design/Engr. Zip Code ITFB-ZIP CODE: End User Zip Code X1FB-ZIP CODE: Final Bill Zip CodeNot UsedN40426Country Code Code identifying the countryO						
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If N101thenN40378INIT-ZIP CODE: Initiator Zip CodeBTBILLNM-ZIP CODE: Bill Name Zip CodeDADDA-ZIP CODE: Directory Delivery Zip CodeDGDSGCON-ZIP CODE: Design/Engr. Zip CodeITEU-ZIP CODE: End User Zip CodeX1FB-ZIP CODE: Final Bill Zip CodeNot UsedN40426Country Code Code identifying the countryO				· · · ·	ounctua	tion and
78 INIT-ZIP CODE: Initiator Zip Code BT BILLNM-ZIP CODE: Bill Name Zip Code DA DDA-ZIP CODE: Directory Delivery Zip Code DG DSGCON-ZIP CODE: Design/Engr. Zip Code IT EU-ZIP CODE: End User Zip Code X1 FB-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code O ID 2/3						
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DG DSGCON-ZIP CODE: Design/Engr. Zip Code IT EU-ZIP CODE: End User Zip Code X1 FB-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code Code identifying the country				1		
IT EU-ZIP CODE: End User Zip Code X1 FB-ZIP CODE: Final Bill Zip Code Not Used N404 26 Country Code Code identifying the country O ID 2/3					L .	
Not Used N404 26 X1 FB-ZIP CODE: Final Bill Zip Code Country Code Country Code O ID 2/3 Code identifying the country Code O					Code	
Not UsedN40426Country Code Code identifying the countryOID 2/3				1		
Code identifying the country	NT-4 TT -	N404	24	1	-	ID 2/2
	Not Used	IN404	26	•	U	ID 2/3
Not UsedN405309Location QualifierXID 1/2	Not Used	N405	309	-	X	ID 1/2
Code identifying type of location						
Not Used N406 310 Location Identifier O AN 1/30	Not Used					
Code which identifies a specific location		N406	310		0	AN 1/30

Segment:	$\mathbf{NX2}$ Real Estate Property ID Component
Position:	335
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	3
Purpose:	To define types and values for geographic location of real estate property
Syntax Notes:	
Semantic Notes:	1 NX201 defines the type of address component.
	2 NX202 defines the address component indentified in NX201.
	3 NX203 is used to designate the county of the property.

Comments:

Data Element Summary

Must Use	Ref. <u>Des.</u> NX201	Data <u>Element</u> 1106	<u>Name</u> Address Component Qualifier Code qualifying the type of address component	<u>Attributes</u> M ID 2/2
			BellSouth valid codes:	
			12 Building Name	
			32 Floor	
			A particular floor or level of a bui	lding
			35 Room	
			A walled room or partitioned area	of a building
			90 Access Customer Terminal Locati	on
			91 Additional Point of Termination	
			92 Local Service Termination	
Must Use	NX202	166	Address Information	M AN 1/35
			Address information	
			If	
			N101 & NX201 then NX202	
			78 90 ACTL: Access Customer Terminal L	ocation
			91 APOT: Additional Point of Terminat	ion
			92 LST: Local Service Termination	
			32 INIT-FLOOR: Initiator Floor	
			35 INIT-ROOM/MAIL STOP: Initiator	Room/MS
			BT 32 BILLNM-FLOOR: Bill Name Floor	
			35 BILLNM-ROOM: Billing Name Roo	
			DG 32 DSGCON-FLOOR: Design/Engrg. F	
			35 DSGCON-ROOM/MAIL STOP: Des	ign/Engrg.Room/MS
			IT 12 EU-BLDG: End User Building	
Not Used	NX203	1096	32 EU-FLOOR: End User Floor County Designator	O ID 5/5

Code identifying the county within a state

Segment:	REF Reference Numbers
Position:	340
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	12
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

D 4

Ref.	Data						
Des.	Element	<u>Name</u>				Att	<u>ributes</u>
REF01	128	Reference	Numbe	r Qualifier		Μ	ID 2/2
		Code quali	fying the	e Reference	Number.		
		11		Account N	Jumber		
				Number ic	lentifies a telecommunicatior	is ind	ustry
				account			
REF02	127	Reference	Numbe	r		Х	AN 1/30
		Reference	number (or identifica	tion number as defined for a	partic	cular
		Transaction	n Set, or	as specified	by the Reference Number Q	ualifi	er.
		If N101 &	REF01	& REF03 th	hen REF02		
		IT	11	EAN	EAN: Existing Account	Numł	ber
		IT	11	EATN	EATN: Existing Account	t Tele	phone No.
REF03	352	Descriptio	n			Х	AN 1/80
		A free-form	n descrip	otion to clari	fy the related data elements a	and th	eir content
		If REF01	then RE	F03			
		11	EA	N or EATN			
	Des. REF01 REF02	Des. REF01Element 128REF02127	Des. REF01Element 128Name Reference Code qualit 11REF02127Reference Reference Transactio If N101 & IT ITREF03352Description A free-form If REF01	Des. REF01Element 128Name Reference Number Code qualifying the 11REF02127Reference Number Reference number of Transaction Set, or If N101 & REF01 IT 11 IT 11REF03352Description A free-form descrip If REF01 then RE	Des. REF01Element 128Name Reference Number Qualifier Code qualifying the Reference 1111Account N Number id accountREF02127Reference NumberReference number or identifica Transaction Set, or as specified If N101 & REF01 & REF03 th IT 11IT EAN ITREF03352Description A free-form description to clarific If REF01 then REF03	Des. Element Name REF01 128 Reference Number Qualifier Code qualifying the Reference Number. 11 Account Number 11 Account Number Number identifies a telecommunication account REF02 127 Reference Number Reference number or identification number as defined for a Transaction Set, or as specified by the Reference Number Qualifier If N101 & REF01 REF03 REF03 352 Description A free-form description to clarify the related data elements a If REF01 then REF03	REF01 128 Reference Number Qualifier M Code qualifying the Reference Number. 11 Account Number 11 Account Number Number identifies a telecommunications ind account REF02 127 Reference Number X Reference number or identification number as defined for a partice Transaction Set, or as specified by the Reference Number Qualified If N101 & REF01 & REF03 then REF02 IT 11 EAN: Existing Account Number IT IT REF03 352 Description X A free-form description to clarify the related data elements and the If REF01 then REF03

P M P Syntax Semantic	egment: Position: Loop: Level: Usage: lax Use: Purpose: x Notes: c Notes: nments: Notes:	350 N1 Heading Optional >1 To identi 1 If eit 2 If eit 3 If eit BellSouth	fy a person her PER03 her PER05 her PER07 n usage:	or office or PER0 or PER0 or PER0	to whom administrative communication 4 is present, then the other is required. 6 is present, then the other is required. 8 is present, then the other is required.				
		below"stacked" or "strung out" in one linein any order, as long as the appropriate Communication Number Qualifier precedes the Communication Number value.							
		Commun				inder v	alue.		
	Ref.	Data		Data Ele	ement Summary				
	Des.	<u>Element</u>	<u>Name</u>				ributes		
Must Use P	ER01	366	Contact I		Code le major duty or responsibility of the pe	M erson o	ID 2/2		
			named	unying u	te major duty of responsionity of the pe	13011 0	group		
			BellSouth	valid cod	les:				
			AG		Agent				
			AL		Alternate Contact				
			Person to be contacted when the main contact is not available BI Bill Inquiry Contact						
				Service Provider contact for making inquires about information on the invoice					
			CA CN		Customer Contact Granting Appoint General Contact	ment			
			DE		Design Engineer				
Р	ER02	93	Name		Design Engliteer	0	AN 1/35		
			Free-form	name		5			
			If N101 &	2 PER01	then PER02				
			78	AG	INIT: Initiator				
			78 78	CN AL	IMPCON: Implementation Cont		teat		
			BT	BI	ALTIMPCON: Alternate Imple BILLCON: Billing Contact	m. Coi	itaci		
			IT	CA	LCON: Local Contact				
			IT	CN	IWCON: Inside Wire Contact				
р	ER03	365	XI Commun	BI ication N	FBCON: Final Bill Contact	X	ID 2/2		
1	LINUS	505			type of communication number	28			
			BellSouth any occur 365) in th	valid qua rence of a e PER seg	alifiers are listed here. These qualifiers a Communication Number Qualifier (E gment when followed by the appropriat umber (EDI data element 364).	DI data	a element		

Electronic Data Intercl	hange (El	ring Implementation Guide (LEO-IG) 01) Change Request Transaction Set, Version 3050	Issue Date: 10/28/1999 Issue: 7f Volume: 4
PER04	364	BN Beeper Number EM Electronic Mail FX Facsimile TE Telephone Communication Number Complete communications number including country applicable BellSouth valid communications numbers are listed h may be placed in any occurrence of a Communication element 364) in the PER segment when preceded by the corresponding Communication Number Qualifier (EI If N101 PER01 PER03 then PER04	X AN 1/80 Y or area code when here. These numbers In Number (EDI data the appropriate
		78AGTEINIT-TEL NO: Initiator Telep78CNTEIMPCON-TEL NO: Implem.78ALTEALTIMPCON-TEL NO: Alter87BITEBILLCON-TEL NO: Billing O96DETEDSGCON-TEL NO: Design/H97CATELCON-TEL NO: Local Contact98ITCATE99TEFBCON-TEL NO: Inside Wir90X1BITE91FBCON-TEL NO: Final Bill O93CNBN94IMPCON-PAGER: Impl. Contact95ALBN96DEEM97DSGCON-EMAIL: Design/E97AGFX98INIT-FAX NO: Initiator Fax99DEFX90DE91FX91DSGCON-FAX NO: Design/H	Contact Telephone nate Imp. Contact Tele. Contact Telephone Engrg. Contact Tele. ct Telephone e Contact Telephone Contact Telephone ntact Pager No. mpl. Contact Pager No. Engrg. Email Address No. Engrg. Fax No.
PER05	365	Communication Number Qualifier Code identifying the type of communication number	X ID 2/2
PER06	364	Communication Number Complete communications number including country	X AN 1/80 Y or area code when
PER07	365	applicable Communication Number Qualifier	X ID 2/2
PER08	364	Code identifying the type of communication number Communication Number Complete communications number including country	X AN 1/80 or area code when
PER09	443	applicable Contact Inquiry Reference Additional reference number or description to clarify	O AN 1/20

Sema	Segment: Position: Loop: Level: Usage: Max Use: Purpose: ntax Notes:	POC 010 POC Detail Optional 1 To specifi 1 If PO 2 If PO 3 If eit 4 If eit 5 If eit 6 If eit 7 If eit 8 If eit 9 If eit 1 1 If PO 2 If PO 3 If eit 4 If eit 5 If eit 1 1 If eit 1 1 If PO 2 If PO 3 If eit 4 If eit 5 If eit 1 1 If eit 1 2 If eit 1 POC			
			Data Element Summary		
	Ref.	Data	N		•1 4
	<u>Des.</u> POC01	Element 350	Name Assigned Identification	$\frac{Att}{0}$	<u>ributes</u> AN 1/11
	10001	550	Alphanumeric characters assigned for differentiation withi REFNUM	Ŭ	
Must Use	POC02	670	Change or Response Type Code Code specifying the type of change to the line item	Μ	ID 2/2
			BellSouth valid code:		
			RE Replacement Item		
Not Used	POC03	330	Quantity Ordered Quantity ordered	0	R 1/9
Not Used	POC04	671	Quantity Left to Receive Quantity left to receive as qualified by the unit of measure	X	R 1/9
Not Used	POC05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being express which a measurement has been taken	X sed, o	ID 2/2 r manner in
Not Used	POC06	212	Unit Price Price per unit of product, service, commodity, etc.	X	R 1/17
Not Used	POC07	639	Basis of Unit Price Code Code identifying the type of unit price for an item	0	ID 2/2
	POC08	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive number Product/Service ID (234) BellSouth valid code: TY Telecommunications Industry Service		
	POC09	234	Product/Service ID Identifying number for a product or service	X	AN 1/40

		If POC08 then POC09						
		TY LNECLSSVC: Line Class of Service USOC						
POC10	235	Product/Service ID Qualifier	X	ID 2/2				
		Code identifying the type/source of the descriptive number used in						
POC11	234	Product/Service ID (234) Product/Service ID	X	AN 1/40				
roch	234		Λ	AIN 1/40				
DOC12	225	Identifying number for a product or service	v	ID 2/2				
POC12	235	Product/Service ID Qualifier	X					
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	111				
POC13	234	Product/Service ID	Х	AN 1/40				
		Identifying number for a product or service						
POC14	235	Product/Service ID Qualifier	Х	ID 2/2				
		Code identifying the type/source of the descriptive number	used	in				
		Product/Service ID (234)						
POC15	234	Product/Service ID	Х	AN 1/40				
		Identifying number for a product or service						
POC16	235	Product/Service ID Qualifier	X	ID 2/2				
		Code identifying the type/source of the descriptive number Product/Service ID (234)	used	in				
POC17	234	Product/Service ID	X	AN 1/40				
		Identifying number for a product or service						
POC18	235	Product/Service ID Qualifier	X	ID 2/2				
		Code identifying the type/source of the descriptive number	used	in				
DOC10	224	Product/Service ID (234)	N 7	A DT 1/40				
POC19	234	Product/Service ID	Х	AN 1/40				
DOCO		Identifying number for a product or service						
POC20	235	Product/Service ID Qualifier	X	ID 2/2				
		Code identifying the type/source of the descriptive number $P_{\text{reschurt}}(S_{\text{reschurt}}) = P_{\text{reschurt}}(S_{\text{reschurt}})$	used	in				
POC21	234	Product/Service ID (234) Product/Service ID	X	AN 1/40				
10021	234	Identifying number for a product or service	2					
POC22	235	Product/Service ID Qualifier	x	ID 2/2				
10022	200	Code identifying the type/source of the descriptive number						
		Product/Service ID (234)	uscu	111				
POC23	234	Product/Service ID	Х	AN 1/40				
		Identifying number for a product or service						
POC24	235	Product/Service ID Qualifier	Х	ID 2/2				
		Code identifying the type/source of the descriptive number	used	in				
		Product/Service ID (234)						
POC25	234	Product/Service ID	Х	AN 1/40				
		Identifying number for a product or service						
POC26	235	Product/Service ID Qualifier	Х	ID 2/2				
		Code identifying the type/source of the descriptive number	used	in				
DO GOT		Product/Service ID (234)						
POC27	234	Product/Service ID	Х	AN 1/40				
		Identifying number for a product or service						

	Segment:	SI Ser	rvice Characteristic Identification				
	Position:	018					
	Loop:	POC					
	-	Level: Detail					
	Usage: Optional						
	Max Use:	5					
	Purpose:		fy service characteristic data				
Syı	ntax Notes:	1	ther SI04 or SI05 is present, then the other is required.				
v			ther SI06 or SI07 is present, then the other is required.				
		3 If eit	ther SI08 or SI09 is present, then the other is required.				
		4 If eit	ther SI10 or SI11 is present, then the other is required.				
		5 If eit	ther SI12 or SI13 is present, then the other is required.				
		6 If eit	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	ther SI20 or SI21 is present, then the other is required.				
	ntic Notes:						
(Comments:		defines the source for each of the service characteristics qu	alifiers.			
	Notes:	BellSouth	· · · · · · · · · · · · · · · · · · ·				
			ough SI21 data segments may be transmitted in pairs as ind				
			" or "strung out" in one linein any order, on any of the five	-			
			as long as the appropriate Service Characteristics Qualifier Service ID value.	precedes the			
		riouuci/s	Service ID value.				
			Data Element Summary				
	Ref.	Data	Data Element Summary				
	Ref. <u>Des.</u>	Data <u>Element</u>	Data Element Summary <u>Name</u>	<u>Attributes</u>			
Must Use			<u>Name</u> Agency Qualifier Code	<u>Attributes</u> M ID 2/2			
Must Use	Des.	Element	Name				
Must Use	Des.	Element	<u>Name</u> Agency Qualifier Code				
Must Use	Des.	Element	<u>Name</u> Agency Qualifier Code Code identifying the agency assigning the code values				
Must Use Must Use	<u>Des.</u> SI01	Element	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code:				
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry	M ID 2/2 M ID 2/2			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of server	M ID 2/2 M ID 2/2 ice characteristics			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier	M ID 2/2 M ID 2/2 ice characteristics may be placed in			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serve BellSouth valid qualifiers are listed here. These qualifiers	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serv BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serve BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI in the SI segment when followed by the appropriate correst Product/Service ID (EDI data element 234).	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serve BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI in the SI segment when followed by the appropriate correse Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serv BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI in the SI segment when followed by the appropriate correst Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	NameAgency Qualifier CodeCode identifying the agency assigning the code valuesBellSouth valid code:TITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of servBellSouth valid qualifiers are listed here. These qualifiersany occurrence of a Service Characteristics Qualifier (EDIin the SI segment when followed by the appropriate corresProduct/Service ID (EDI data element 234).C2:Code for Call Forwarding Telephone NumberCM:Customer Circuit ReferenceCN:Exchange Company Circuit ID	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	NameAgency Qualifier CodeCode identifying the agency assigning the code valuesBellSouth valid code:TITITelecommunications IndustryService Characteristics QualifierCode from an industry code list qualifying the type of servBellSouth valid qualifiers are listed here. These qualifiersany occurrence of a Service Characteristics Qualifier (EDIin the SI segment when followed by the appropriate corresProduct/Service ID (EDI data element 234).C2:Code for Call Forwarding Telephone NumberCM:Customer Circuit ReferenceCN:Exchange Company Circuit IDDD:Dialing Plan	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serv BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI) in the SI segment when followed by the appropriate corres Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serve BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI) in the SI segment when followed by the appropriate corres Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serve BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI) in the SI segment when followed by the appropriate corres Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability K1: System ID	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			
	<u>Des.</u> SI01	<u>Element</u> 559	Name Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of serve BellSouth valid qualifiers are listed here. These qualifiers any occurrence of a Service Characteristics Qualifier (EDI) in the SI segment when followed by the appropriate corres Product/Service ID (EDI data element 234). C2: Code for Call Forwarding Telephone Number CM: Customer Circuit Reference CN: Exchange Company Circuit ID DD: Dialing Plan FZ: Freeze Indicator IP: Code for Interim Number Portability	M ID 2/2 M ID 2/2 ice characteristics may be placed in (data element 1000)			

- K4: Slot
- K5: Relay Rack
- K6: Chan/Pair
- LM: Local Routing Number (LNP)

			 NM: Code for Number of Stations Requested for DID Feat NN: Code for Number of Stations to be Activated OT: Old/Out Telephone Number PE: Code for Pulse RI: Route Index SA: Code for Service Activity T5: Code for Terminal T6: Transfer of Calls Option T8: Code for Transfer to Secondary Number TB: Code for Toll Billing Exception TC: Code for Transfer Announcement Number TH: Interim Number Portability Trunk Group TN: Code for Telephone Number TS: Code for Telephone Number 	ure	
Must Use	SI03	234	Product/Service ID	М	AN 1/40
			Identifying number for a product or service		
			BellSouth valid IDs are listed here. These IDs may be place	ed in	any
			occurrence of a Product/Service ID (EDI data element 234)) in th	e SI segment
			when preceded by the appropriate corresponding Service C	harac	teristics
			Qualifer (EDI data element 1000).		
			1000 4 0102		
			If SI02 then SI03 C2 CFTN: Call Forward To Number		
			CM CKR: Customer Circuit Reference		
			CN ECCKT: Exchange Company Circuit ID		
			DD DOP NUM: Dialing Plan Code (digits outpuls	ed)	
			FZ FPI: Freeze PIC Indicator)	
			IP INPT: Interim Number Portability Type		
			K1 SYSTEM ID: System Identification		
			K2 CABLE ID: Cable Identification		
			K3 SHELF: Shelf Identification		
			K4 SLOT: Slot Identification		
			K5 RELAY RACK: Relay Rack Identification		
			K6 CHAN/PAIR: Channel/Pair		
			LMLRN: Local Routing No. (LNP)NMNUM ST: Number of Stations Requested for D		atura
			NMNUM ST: Number of Stations Requested for DNNACTST: Number of Stations to be Activated		eature
			OT OTN: Old/Out Telephone Number		
			PE PULSE: Type of Pulsing		
			RI RTI: Route Index		
			SA LNA: Line Activity Type		
			T5 TER: Terminal		
			T6 TC OPT: Transfer of Calls Option		
			T8 TCTO-SECONDARY: Transfer of Calls to Sec	conda	ry No.
			TBTBE: Toll Billing/Blocking ExceptionTCTCTO-PRIMARY: Transfer Announcement N	umbo	
			TH INPTG: Interim Number Portability Trunk Gr		1
			TN TN: Telephone Number	oup	
			TS SGNL: Type of Signaling		
	SI04	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of servi	ce ch	
	SI05	234	Product/Service ID	X	AN 1/40

ectronic Data Inte	erchange (El		Issue	
eliSouth 860 Purc	nase Order	Change Request Transaction Set, Version 3050	Volu	me: 4
		Identifying number for a product or service		
SI06	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of	service ch	naracteristics
SI07	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of	service ch	naracteristics
SI09	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of	from an industry code list qualifying the type of service characteristics	
SI11	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of	service ch	naracteristics
SI13	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of	service cl	naracteristics
SI15	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI16	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of	service ch	naracteristics
SI17	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of	service ch	naracteristics
SI19	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of	service ch	naracteristics
SI21	234	Product/Service ID	X	AN 1/40
		Identifying number for a product or service		

Segment:	PO3 Additional Item Detail
Position:	030
Loop:	POC
Level:	Detail
Usage:	Optional
Max Use:	25
Purpose:	To specify additional item-related data involving variations in normal price/quantity structure
Syntax Notes: Semantic Notes:	1 If PO304 is present, then at least one of PO303 or PO305 is required.
Comments:	1 Some examples of price/quantity variations are: price in different units from the PO1 segment, price changes by date, or price changes by quantity (break and level).
	2 PO307 defines the unit of measure for PO306.

	Ref.	Data	Duta Element Summir y		
	Des.	<u>Element</u>	Name	Att	ributes
Must Use	PO301	371	Change Reason Code		ID 2/2
			Code specifying the reason for price or quantity change		
			BellSouth valid code:		
			QO Quantity Ordered		
Not Used	PO302	373	Date Date (YYMMDD)	0	DT 6/6
Not Used	PO303	236	Price Identifier Code Code identifying pricing specification	X	ID 3/3
Not Used	PO304	212	Unit Price Price per unit of product, service, commodity, etc.		R 1/17
Not Used	PO305	639	Basis of Unit Price Code Code identifying the type of unit price for an item	X	ID 2/2
Must Use	PO306	380	Quantity Numeric value of quantity	Μ	R 1/15
			TNP: Total Number of Paths		
Must Use	PO307	355	Unit or Basis for Measurement CodeCode specifying the units in which a value is being expresswhich a measurement has been takenEAEach	M sed, o	ID 2/2 r manner in
Not Used	PO308	352	Description A free-form description to clarify the related data elements	O s and t	AN 1/80 their content

Segment:	PID Product/Item Description
Position:	050
Loop:	PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code list being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F''$, then $PID05$ is used. If $PID01 = S''$, then $PID04$ is used. If $PID01 = PID01 = F''$
	`X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.

3 PID07 specifies the individual code list of the agency specified in PID03.

	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
Must Use	PID01	349	Item Description Type	Μ	ID 1/1
	Code indicating the format of a description				
			BellSouth valid code:		
			X Semi-structured (Code and Text)		
Not Used	PID02	750	Product/Process Characteristic Code	0	ID 2/3
			Code identifying the general class of a product or process	charac	cteristic
	PID03	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	Х	AN 1/12
			A code from an industry code list which provides specific	data a	bout a product
			A code from an industry code list which provides specific characteristic	data a	bout a product
			characteristic BC: Code for Ten-Digit Trigger (LNP)	data a	bout a product
			characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment		-
	PID05	352	characteristic BC: Code for Ten-Digit Trigger (LNP)	data a X	bout a product AN 1/80
	PID05	352	characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment	X	AN 1/80
	PID05	352	characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment Description	X	AN 1/80
	PID05	352	characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment Description A free-form description to clarify the related data element If PID04 then PID05 CFA CFA: Connecting Facility Assignment	X	AN 1/80
Not Used	PID05 PID06	352 752	characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment Description A free-form description to clarify the related data element If PID04 then PID05 CFA CFA: Connecting Facility Assignment Surface/Layer/Position Code	X ts and to O	AN 1/80 their content ID 2/2
Not Used			characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment Description A free-form description to clarify the related data element If PID04 then PID05 CFA CFA: Connecting Facility Assignment Surface/Layer/Position Code Code indicating the product surface, layer or position that	X ts and to O	AN 1/80 their content ID 2/2
Not Used Not Used			characteristic BC: Code for Ten-Digit Trigger (LNP) CFA: Code for Connecting Facility Assignment Description A free-form description to clarify the related data element If PID04 then PID05 CFA CFA: Connecting Facility Assignment Surface/Layer/Position Code	X ts and t O t is bein O	AN 1/80 their content ID 2/2 ng described AN 1/15

PID08	1073	Yes/No Condition or Response Code	0	ID 1/1
		Code indicating a Yes or No condition or response		
		If PID04 then PID08		
		BC TDT: Ten Digit Trigger (LNP)		

	Segment:	DTN	A Date/Time Ro	eference			
	Position:	200					
	Loop:	POC					
	Level:	Detail					
	Usage:	Optional					
	Max Use:	10					
	Purpose:	To specif	fy pertinent dates a	and times			
Syn	tax Notes:	-	• •	2 DTM03 or DTM06 is required.			
				ΓM07 is present, then the other is require	d.		
Sema	ntic Notes:			1 / 1			
(Comments:						
			Data l	Element Summary			
	Ref.	Data					
	Des.	Element	<u>Name</u>		<u>Attributes</u>		
Must Use	DTM01	374	Date/Time Qual		M ID 3/3		
				type of date or time, or both date and time	5		
			BellSouth valid of	codes:			
			244	Estimated Start			
			The revised plan or estimate of the start date for a task or activity				
			376	Delivery End			
				The date that deliveries will end			
	DTM02	373	Date		X DT 6/6		
			Date (YYMMDI	D)			
			If DTM01 then				

			376 TC PER-DATE: Transfer Calls to Period Date
NT / TT 			244 DIRDATE: Directory Listing Date
Not Used	DTM03	337	Time X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or
			HHMMSSD, or HHMMSSDD, where $H = hours (00-23)$, $M = minutes (00-23)$
			59), $S = integer$ seconds (00-59) and $DD = decimal$ seconds; decimal seconds
			are expressed as follows: $D = tenths$ (0-9) and $DD = hundredths$ (00-99)
Not Used	DTM04	623	Time Code O ID 2/2
			Code identifying the time. In accordance with International Standards
			Organization standard 8601, time can be specified by $a + or - and an$
			indication in hours in relation to Universal Time Coordinate (UTC) time;
			since + is a restricted character, + and - are substituted by P and M in the
		(24	codes that follow
	DTM05	624	Century O N0 2/2
			The first two characters in the designation of the year (CCYY)
			If DTM01 then DTM05
			376 TC PER-DATE-CC: Transfer of Calls Date Century Code
			244 DIRDATE-CC: Advance Dir. Listing Date Century C
Not Used	DTM06	1250	Date Time Period Format Qualifier X ID 2/3
THUE USED	D11100	1230	
			Code indicating the date format, time format, or date and time format
Not Used	DTM07	1251	Date Time Period X AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

		NI1				
	Segment:	N1 N	ame			
	Position:	340				
	Loop:	N1				
	Level:	Detail				
	Usage:	Optional				
	Max Use:] To identify a newty by type of an anti-ation, name, and as de				
Sum	Purpose: ntax Notes:					
Syn	liax inoles:		her N103 or N104 is present	-		
Sema	ntic Notes:			, then the other is required.		
	Comments:	1 This	segment, used alone, provid	les the most efficient method of prov	viding	
				obtain this efficiency the "ID Code"	U	
		prov	ide a key to the table mainta	ined by the transaction processing p	oarty.	
		2 N10	5 and N106 further define th	e type of entity in N101.		
			Data Element S	ummary		
	Ref.	Data				
	Des.	Element	Name		ttributes	
Must Use	N101	98	Entity Identifier Code	M		
				zational entity, a physical location,	or an individual	
			BellSouth valid codes:			
				ry Residence		
				d Home		
			8V Prima	ry Intra-LATA (Local Access Trans	sport Area) Carrier	
			P9 Prima	ry Interexchange Carrier (PIC)		
				fies the carrier who will handle the	interexchange	
	N102	03	calls Name	X	AN 1/35	
	N102	93	Free-form name	А	AN 1/55	
			If N101 then N102 8B TC NAME-PR	IMARY: Primary Name to Transfer	Calla Ta	
				CONDARY: Second Name to Transfer		
			8V (not used in N		sici Calis 10	
			P9 (not used in N1			
	N103	66	Identification Code Quali		ID 1/2	
			Code designating the system	m/method of code structure used for	• Identification	
			Code (67)			
			BellSouth valid code:			
			41 Teleco	ommunications Carrier Identificatio	n Code	
			Identi	fies the Interexchange carrier for th	e charges	
			being	billed	-	
	N104	67	Identification Code	X	AN 2/20	
			Code identifying a party or	other code		
			If N101 & N103 then N1	04		
			P9 41 PIC: 1	Primary Interexchange Carrier CIC	Code	
			8V 41 LPIC:	Local Primary Interexchange Carr	ier Code	
Not Used	N105	706	Entity Relationship Code	0	ID 2/2	
			Code describing entity rela	tionship		
Not Used	N106	98	Entity Identifier Code	0		
			Code identifying an organi	zational entity, a physical location,	or an individual	

Segment:	SLN Subline Item Detail
Position:	460
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify product subline detail item data
Syntax Notes:	1 If SLN07 is present, then SLN06 is required.
	2 If SLN08 is present, then SLN06 is required.
	3 If either SLN09 or SLN10 is present, then the other is required.
	4 If either SLN11 or SLN12 is present, then the other is required.
	5 If either SLN13 or SLN14 is present, then the other is required.
	6 If either SLN15 or SLN16 is present, then the other is required.
	7 If either SLN17 or SLN18 is present, then the other is required.
	8 If either SLN19 or SLN20 is present, then the other is required.
	9 If either SLN21 or SLN22 is present, then the other is required.
	10 If either SLN23 or SLN24 is present, then the other is required.
	11 If either SLN25 or SLN26 is present, then the other is required.
	12 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:	1 SLN01 is the identifying number for the subline item.
	2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
	3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
	4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1 See the Data Dictionary for a complete list of ID's.
	2 SLN01 is related to (but not necessarily equivalent to) the baseline item number.
	Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
	 SLN09 through SLN28 provide for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
Must Use	SLN01	350	Assigned Identification Alphanumeric characters assigned for differentiation with	M in a tr	AN 1/11 ansaction set
Not Used	SLN02	350	Assigned Identification Alphanumeric characters assigned for differentiation with	O in a tr	AN 1/11 ansaction set
Must Use	SLN03	662	Relationship Code Code indicating the relationship between entities	Μ	ID 1/1
			BellSouth valid code:		
			I Included		
Must Use	SLN04	380	Quantity Numeric value of quantity	Μ	R 1/15
Must Use	SLN05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being express which a measurement has been taken BellSouth valid code:	M sed, o	ID 2/2 r manner in
			EA Each		

lectronic	Data Interc	hange (El	ering Implementation Guide (LEO-IG) DI) Change Request Transaction Set, Version 3050	Issue:	Date: 10/28/1999 : 7f me: 4
lot Used	SLN06	212	Unit Price Price per unit of product, service, commodity, etc.	X	R 1/17
lot Used	SLN07	639	Basis of Unit Price Code Code identifying the type of unit price for an item	0	ID 2/2
lot Used	SLN08	662	Relationship Code Code indicating the relationship between entities	0	ID 1/1
lot Used	SLN09	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X nber used	ID 2/2
lot Used	SLN10	234	Product/Service ID (234) Product/Service ID	X	AN 1/40
lot Used	SLN11	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)	nber used	
lot Used	SLN12	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
lot Used	SLN13	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X nber used	ID 2/2 in
lot Used	SLN14	234	Product/Service ID (234) Product/Service ID	X	AN 1/40
lot Used	SLN15	235	Identifying number for a product or service Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X abor used	ID 2/2
lot Used	SLN16	234	Product/Service ID (234) Product/Service ID	X	AN 1/40
lot 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)	nber used	
lot Used	SLN18	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
lot Used	SLN19	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X nber used	ID 2/2 in
lot Used	SLN20	234	Product/Service ID (234) Product/Service ID	X	AN 1/40
lot Used	SLN21	235	Identifying number for a product or service Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X abor used	ID 2/2
lot Used	SLN22	234	Product/Service ID (234) Product/Service ID	x	AN 1/40
lot 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)		
lot Used	SLN24	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
lot Used	SLN25	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X nber used	ID 2/2 in
lot Used	SLN26	234	Product/Service ID (234) Product/Service ID Identifying number for a moduat or convice	X	AN 1/40
lot Used	SLN27	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)		
lot Used	SLN28	234	Product/Service ID Identifying number for a product or service	Х	AN 1/40

	CT.								
Segment:	SI Service Characteristic Identification								
Position:	470								
Loop:	SLN								
Level:	Detail								
Usage:	Optional								
Max Use:	20								
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.								
G (1) .	9 If either SI20 or SI21 is present, then the other is required.								
Semantic Notes:									
Comments: Notes:	1 SI01 defines the source for each of the service characteristics qualifiers.								
Totts.	BellSouth usage: SI04 through SI21 data segments may be transmitted in pairs as indicated below "stacked" or "strung out" in one lineon any of the 20 SI segments allotted, as long as the appropriate Service Characteristics Qualifier precedes the Product/Service ID value. *								
	*For hunting, the SG/HUNT GROUP ID combination must follow the FEATURE and any associated optional FEATURE DETAIL, as shown in the following example:								
	SI*TI*SA*fa*SF*feature*FD*featuredetail*99*moredetail*SG*huntgroupid								
	Please note: BellSouth has changed the maximum usage to 20 for this segment and the maximum length for EDI data element 234 to 30.								
	Data Element Summary								
Ref.	Data								
Des.	Element Name Attributes								
ist Use SI01	559 Agency Qualifier Code M ID 2/2								
	Code identifying the agency assigning the code values								
	BellSouth valid code:								

Must Use	SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values	Μ	ID 2/2
			BellSouth valid code:		ID 2/2
			TI Telecommunications Industry		
Must Use SI02		1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of ser	M vice ch	
			SA: Service Activity Code		
Must Use	SI03	3103 234	Product/Service ID Identifying number for a product or service	Μ	AN 1/30
			If SI02 then SI03 SA FA: Feature Activity Type		
	SI04	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of ser	vice ch	aracteristics
			SF: Code for Features found in TCIF List SC: Code for Features found in BellSouth List		

SI05	234	Product/Service ID	Х	AN 1/30
		Identifying number for a product or service		
		If SI04 then SI05		
		SF FEATURE: Features found in TCIF List		
SI06	1000	SC FEATURE: Features found in BellSouth List Service Characteristics Qualifier	X	ID 2/2
5100	1000	FD: Code for Additional Feature Detail	Λ	ID 2/2
		99: Code for continuation of Feature Detail		
		SG: Code for Service Group		
		Code from an industry code list qualifying the type of servi-	ce cha	aracteristics
SI07	234	Product/Service ID	Х	AN 1/30
		If SI06 then SI07		
		FD FEATURE-DETAIL: Additional Feature		
		Detail 99 Continuation of FEATURE-DETAIL		
		SG HUNTING: Hunt Group ID		
		Identifying number for a product or service		
SI08	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of servi-	ce cha	aracteristics
SI09	234	Product/Service ID	Х	AN 1/30
		Identifying number for a product or service		
SI10	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of servi-	ce cha	aracteristics
SI11	234	Product/Service ID	Х	AN 1/30
		Identifying number for a product or service		
SI12	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of servi-	ce cha	aracteristics
SI13	234	Product/Service ID	X	AN 1/30
		Identifying number for a product or service		
SI14	1000	Service Characteristics Qualifier	X	ID 2/2
		Code from an industry code list qualifying the type of service		
SI15	234	Product/Service ID	X	AN 1/30
014	1000	Identifying number for a product or service		TD 4/4
SI16	1000	Service Characteristics Qualifier	X	ID 2/2
GT1 7	224	Code from an industry code list qualifying the type of service		
SI17	234	Product/Service ID	Х	AN 1/30
CT10	1000	Identifying number for a product or service	v	ID 2/2
SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of servi-	X	ID 2/2
SI19	234	Product/Service ID	X X	AN 1/30
5119	234	Identifying number for a product or service	Λ	AN 1/30
SI20	1000	Service Characteristics Qualifier	X	ID 2/2
5120	1000	Code from an industry code list qualifying the type of servi-		
SI21	234	Product/Service ID	X	AN 1/30
5141	<i>2</i> 37	Identifying number for a product or service	4	111 1/30
		reconsigning number for a product of service		

	Segment:	PID	Product/Item Description		
	Position:	480			
	Loop:	480 SLN			
	Level:	Detail			
	Usage:	Optional			
	Max Use:	1000			
	Purpose:	To descri	ibe a product or process in coded or free-form format		
Syı	ntax Notes:	1 If PI	D04 is present, then PID03 is required.		
			east one of PID04 or PID05 is required.		
		3 If PI	D07 is present, then PID03 is required.		
			D08 is present, then PID03 is required.		
Sema	ntic Notes:		PID03 to indicate the organization that publishes the code list		ng referred to.
			04 should be used for industry-specific product description co		
			08 describes the physical characteristics of the product identi		
			cates that the specified attribute applies to this item. A ``N" i	ndica	tes it does not
	C ommon t ae		y. Any other value is indeterminate.		I II DIDO1
,	Comments:		D01 = F'', then PID05 is used. If PID01 = S'', then PID04, then both PID04 and PID05 are used.	+ 1S US	ed. II PID01 =
			PID06 when necessary to refer to the product surface or layer	r hein	a described in the
		segn			ig described in the
		-	07 specifies the individual code list of the agency specified in	1 PID	03
		· 112			
	Notes	BellSon	th usage: This PID segment is reserved for future use.		
		Demote			
			Data Element Summary		
	Ref.	Data	Data Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	Name	Att	<u>ributes</u>
Must Use				<u>Attı</u> M	<u>ributes</u> ID 1/1
Must Use	Des.	Element	Name	_	
Must Use	Des.	Element	<u>Name</u> Item Description Type	_	
Must Use	Des.	Element	Name Item Description Type Code indicating the format of a description	_	
Must Use Not Used	Des.	Element	Name Item Description Type Code indicating the format of a description BellSouth valid code:	_	
	Des. PID01	Element 349	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text)	<u>м</u> 0	ID 1/1 ID 2/3
	Des. PID01	Element 349	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process components	<u>м</u> 0	ID 1/1 ID 2/3
	Des. PID01 PID02	Element 349 750	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process complete Agency Qualifier Code	M O harac	ID 1/1 ID 2/3 teristic
	Des. PID01 PID02	Element 349 750	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values	M O harac	ID 1/1 ID 2/3 teristic
	Des. PID01 PID02	Element 349 750	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code:	M O harac	ID 1/1 ID 2/3 teristic
	Des. PID01 PID02 PID03	Element 349 750 559	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process class of a product or process class Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry	M O harac X	ID 1/1 ID 2/3 teristic ID 2/2
	Des. PID01 PID02	Element 349 750	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code	M O harac X	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12
	Des. PID01 PID02 PID03	Element 349 750 559	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process class Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d	M O harac X	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12
	Des. PID01 PID02 PID03	Element 349 750 559	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process of Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic	M O harac X	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12
	Des. PID01 PID02 PID03 PID04	Element 349 750 559 751	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading	M O harac X Iata al	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product
	Des. PID01 PID02 PID03	Element 349 750 559	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process of Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading Description	M Oharac X lata al	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80
	Des. PID01 PID02 PID03 PID04	Element 349 750 559 751	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process of Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific de characteristic YPH: Code for Yellow Page Heading Description A free-form description to clarify the related data elements	M Oharac X lata al	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80
	Des. PID01 PID02 PID03 PID04	Element 349 750 559 751	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading Description A free-form description to clarify the related data elements If PID04 then PID05	M Oharac X lata al	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80
Not Used	Des. PID01 PID02 PID03 PID04 PID05	Element 349 750 559 751 352	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading Description A free-form description to clarify the related data elements If PID04 then PID05 YPH YPH: Yellow Page Heading	M O harac X lata al X and t	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80 heir content
	Des. PID01 PID02 PID03 PID04	Element 349 750 559 751	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading Description A free-form description to clarify the related data elements If PID04 then PID05 YPH YPH: Yellow Page Heading Surface/Layer/Position Code	M Oharac X lata al X and t	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80 heir content ID 2/2
Not Used	Des. PID01 PID02 PID03 PID04 PID05 PID05	Element 349 750 559 751 352 752	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process of Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading Description A free-form description to clarify the related data elements If PID04 then PID05 YPH YPH: Yellow Page Heading Surface/Layer/Position Code Code indicating the product surface, layer or position that i	M O harac X lata al and t S beir	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80 heir content ID 2/2 ng described
Not Used	Des. PID01 PID02 PID03 PID04 PID05	Element 349 750 559 751 352	Name Item Description Type Code indicating the format of a description BellSouth valid code: X Semi-structured (Code and Text) Product/Process Characteristic Code Code identifying the general class of a product or process c Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Product Description Code A code from an industry code list which provides specific d characteristic YPH: Code for Yellow Page Heading Description A free-form description to clarify the related data elements If PID04 then PID05 YPH YPH: Yellow Page Heading Surface/Layer/Position Code	M O harac X X ata al X and t S beir O	ID 1/1 ID 2/3 teristic ID 2/2 AN 1/12 bout a product AN 1/80 heir content ID 2/2 ng described AN 1/15

BellSouth Local Exchange Ordering Implementation Guide (LEO-IG)	Issue Date: 10/28/1999
Electronic Data Interchange (EDI)	Issue: 7f
BellSouth 860 Purchase Order Change Request Transaction Set, Version 3050	Volume: 4

Not Used	PID08	1073	Yes/No Condition or Response Code	
			Code indicating a Yes or No condition or response	

O ID 1/1

Segment:	N1 Name
Position:	520
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

N105 and N106 further define the type of entity in N101	۱.
---	----

			Data Elem	ent Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>		Att	<u>ributes</u>
Must Use	N101	98	Entity Identifier Cod	de	Μ	ID 2/2
			Code identifying an o	rganizational entity, a physical location	ation, or an individual	
			BellSouth valid codes:			
			EN H	End User		
			IT I	Installation on Site		
	N102	93	Name		Х	AN 1/35
			Free-form name			
			If N101 then N102			
				st Line Listing Name		
				ME: Service Name *		
			*not currently being u			
	N103	66	Identification Code	Qualifier	Х	ID 1/2
				system/method of code structure used	for I	dentification
			Code (67)			
			BellSouth valid codes			
				Code assigned by the organization orig	ginati	ing the
				ransaction set		
			SI S	Standard Industry Code (SIC)		
	N104	67	Identification Code		Х	AN 2/20
			Code identifying a part	rty or other code		
			If N101 & N103 then	N104		
				IST: Type of Listing (Codes Provided	by B	ellSouth)
				ICCODE: Standard Industry Code *		
			*not currently being u			
Not Used	N105	706	Entity Relationship		0	ID 2/2
			Code describing entity			
Not Used	N106	98	Entity Identifier Cod		0	ID 2/2
			Code identifying an o	rganizational entity, a physical location	on, or	an individual

	Segment:	N2 A	dditional 1	Name Information		
	Position:	530				
	Loop:	N1				
	Level:	Detail				
	Usage:	Optional				
	Max Use:	6				
	Purpose:	To specif	y additiona	al names or those longer than 35 ch	naracters in length	
Synt	ax Notes:	_	-	-	-	
Seman	tic Notes:					
С	omments:					
	Notes:		h usage rul Jame infor	les: This segment can occur up to 6 mation Data Element Summary	5 times to accommod	late the
	Ref.	Data		•		
	Des.	Element	Name		Attı	ributes
Must Use	N201	93	Name Free-form	n name	M	AN 1/35
			If N101 th	hen N201		
			EN	LISTED NAME OVERFLOW:	Additional Listing	Name Info
	N202	93	Name		0	AN 1/35
			Free-form	n name		
			If N101 ti EN	hen N202 LISTED NAME OVERFLOW:	Additional Listing	Name Info

Segment:	N3 Address Information
Position:	540
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	

Must Use	Ref. <u>Des.</u> N301	Data <u>Element</u> 166	Name Address Information	<u>Att</u> M	<u>ributes</u> AN 1/35
Must Osc	11301	100	Address information	IVI	AN 1155
			If N101 then N301		
			EN LA: Listing Address		
			IT EU-STREET 1: Service Address *		
			*not currently being used by BellSouth		
	N302	166	Address Information	0	AN 1/35
			Address information		
			If N101 then N302 EN continuation of LA (Listing Address) IT EU-STREET 2: continuation of Service Address *not currently being used by BellSouth	SS *	

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Segment:	N4 Geographic Location
Position:	550
Loop:	N1
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.
Comments	

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

	Ref.	Data	2 and Literation Summary		
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>
	N401	19	City Name	0	AN 2/30
			Free-form text for city name		
			If N101 then N401		
			IT EU-CITY: City of Service *		
			*not currently being used by BellSouth		
	N402	156	State or Province Code	0	ID 2/2
			Code (Standard State/Province) as defined by appropriate	gover	nment agency
			If N101 then N402		
			IT EU-STATE: State of Service *		
			*not currently being used by BellSouth		
	N403	116	Postal Code	0	ID 3/11
			Code defining international postal zone code excluding pu	nctua	tion and
			blanks (zip code for United States)		
			If N101 then N403		
			IT EU-ZIP CODE: Zip Code of Service *		
	N7404	•	*not currently being used by BellSouth	0	TD 4/2
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		

Segment:	NX2 Real Estate Property ID Component
Position:	560
Loop:	N1
Level:	Detail
Usage:	Optional
Max Use:	3
Purpose:	To define types and values for geographic location of real estate property
Syntax Notes:	
Semantic Notes:	1 NX201 defines the type of address component.
	2 NX202 defines the address component indentified in NX201.
	3 NX203 is used to designate the county of the property.

Comments:

	Ref.	Data	2 21			
	Des.	Element	Name		Att	ributes
Must Use	NX201	1106	Address Compone	ent Qualifier	Μ	ID 2/2
			Code qualifying th	e type of address component		
			BellSouth valid co	des:		
			12	Building Name		
			32	Floor		
				A particular floor or level of a building	ıg	
			35	Room		
				A walled room or partitioned area of	a buil	ding
Must Use	NX202	166	Address Informat	ion	Μ	AN 1/35
			Address information	n		
			If N101 & NX201	then NX202		
			IT 12	EU-BLDG: Building Location of Ser	rvice *	;
			IT 32	EU-FLOOR: Floor Location of Serve	ice *	
			IT 35	EU-ROOM: Room Location of Servi	ice *	
			*not currently bein	g used by BellSouth		
Not Used	NX203	1096	County Designato	r	0	ID 5/5
			Code identifying the	ne county within a state		

Segment:	CTT Transaction Totals
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

	Ref.	Data			
	Des.	Element	Name		<u>ributes</u>
Must Use	CTT01	354	Number of Line Items	Μ	N0 1/6
			Total number of line items in the transaction set		
			Total Number of POC Segments		
Not Used	CTT02	347	Hash Total	0	R 1/10
			Sum of values of the specified data element. All values in t		
			will be summed without regard to decimal points (explicit o		• ·
			signs. Truncation will occur on the left most digits if the su the maximum size of the hash total of the data element.	IIII IS	greater than
Not Used	CTT03	81	Weight	x	R 1/10
i tor escu	01100	01	Numeric value of weight		
Not Used	CTT04	355	Unit or Basis for Measurement Code	Х	ID 2/2
			Code specifying the units in which a value is being express	ed, or	r manner in
			which a measurement has been taken		
Not Used	CTT05	183	Volume	Х	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	Unit or Basis for Measurement Code	X	ID 2/2
			Code specifying the units in which a value is being express	ed, or	r manner in
Not Hac J	CTT07	250	which a measurement has been taken	0	A NI 1/00
Not Used	CTT07	352	Description A free-form description to clarify the related data elements	O and t	AN 1/80
			A nee-torm description to clarify the related data elements	anu t	

Segment:	SE т	ransaction Set Trailer		
Position:	030			
Loop:				
Level:	Summar	у		
Usage:	Mandato	ry		
Max Use:	1			
Purpose:		ate the end of the transaction set and provide the count of t g the beginning (ST) and ending (SE) segments).	he tran	smitted segments
Syntax Notes: Semantic Notes:	X			
Comments:	1 SE i	s the last segment of each transaction set.		
		Data Element Summary		
Ref.	Data			
Des.	<u>Element</u>	Name	Att	<u>ributes</u>
Must Use SE01	96	Number of Included Segments	\mathbf{M}	N0 1/10
		Total number of segments included in a transaction set in segments	cluding	g ST and SE
Must Use SE02	329	Transaction Set Control Number	\mathbf{M}	AN 4/9
		Identifying control number that must be unique within th functional group assigned by the originator for a transact		action set

The value of the data element in ST02 in the Transaction Set Header (ST) must match the value of this same data element in SE02 in the Transaction Set Trailer (SE).

855 Purchase Order Acknowledgment Transaction Set

Using the 855 Purchase Order AcknowledgmentTransaction Set within the context of an Electronic Data Interchange environment at BellSouth requires the following:

- A familiarity with both the EDI specifications which follow, and
- The BellSouth usage rules as stated on the individual data element sheets found throughout the various sections of Volume 1 of this LEO Implementation Guide.

For the most part, the data element characteristics and valid entries detailed on these data element sheets are the exact rules that are followed when transmitting data via EDI. There are, however, a few instances where EDI standards rules dictate a different data element characteristic or valid entry than the OBF rules contained on these sheets. These few exceptions are listed on the appropriate data segment pages that follow.

The Telecommunications Industry Forum's guidelines for implementing the ANSI ASC X12 (American National Standards Institute, Accredited Standards Committee) standards are the basis for the specifications contained in this section. In some instances, to meet the needs of Local Exchange Ordering, it has been necessary for BellSouth to go outside the boundaries of these guidelines. These few instances are clearly indicated in the following specifications.

Where, in the following specifications, the standards state that an entry is required (marked "Must Use" and attributes show M), an entry <u>is</u> required. Where an EDI data element attribute shows AN (alphanumeric) and minimum and maximum field lengths, additional rules must also be adhered to. BellSouth usage rules, found on the individual data element sheets in Volume 1 of this guide, further define the data characteristics to be passed in the relevant data elements.

In summary, use of the 855 Purchase Order Acknowledgment Transaction Set requires adherence to the rules stated in the following specifications based on ANSI ASC X12 standards <u>and</u> the BellSouth usage rules defined for each applicable data element. It is critical that the specifications in this section are followed to avoid translator rejections. It is equally important that the BellSouth usage rules listed on the individual data element sheets found throughout Volume 1 of this LEO Implementation Guide are followed when creating data content for this transaction set.

855 Purchase Order Acknowledgment

Functional Group ID=**PR**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Heading:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	Max.Use 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
Must Use	020	BAK	Beginning Segment for Purchase Order Acknowledgment	М	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	0	1		
	050	REF	Reference Numbers	0	>1		
	060	PER	Administrative Communications Contact	0	3		
Not Used	070	TAX	Tax Reference	0	>1		
Not Used	080	FOB	F.O.B. Related Instructions	0	>1		
Not Used	090	CTP	Pricing Information	0	>1		
Not Used	095	PAM	Period Amount	0	10		
Not Used	110	CSH	Header Sale Condition	0	1		
			LOOP ID - SAC			25	
Not Used	120	SAC	Service, Promotion, Allowance, or Charge	0	1		
Not Used	125	CUR	Information Currency	0	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	0	5		
Not Used	140	DIS	Discount Detail	0	20		
Not Used	145	INC	Installment Information	0	1		
	150	DTM	Date/Time Reference	0	10		
Not Used	160	LDT	Lead Time	0	12		
Not Used	180	LIN	Item Identification	0	5		n1
	185	SI	Service Characteristic Identification	0	2		
	190	PID	Product/Item Description	0	200		
Not Used	200	MEA	Measurements	0	40		
Not Used	210	PWK	Paperwork	0	25		
Not Used	220	PKG	Marking, Packaging, Loading	0	25		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	0	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		

BellSout Electron BellSout	ic Dat	Issue Date: 10/28/1999 Issue: 7f Volume: 4				
Not Used	250	TD3	Carrier Details (Equipment)	0	12	
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	270	MAN	Marks and Numbers	0	10	
Not Used	275	TXI	Tax Information	0	>1	
			LOOP ID - N9	_		1000
	280	N9	Reference Number	0	1	
	290	MSG	Message Text	0	1000	
			LOOP ID - N1			200
	300	N1	Name	0	1	
Not Used	310	N2	Additional Name Information	0	2	
Not Used	320	N3	Address Information	0	2	
Not Used	330	N4	Geographic Location	0	1	
Not Used	335	NX2	Real Estate Property ID Component	0	3	
Not Used	340	REF	Reference Numbers	0	12	
	350	PER	Administrative Communications Contact	0	>1	
Not Used	360	FOB	F.O.B. Related Instructions	0	1	
Not Used	370	TD1	Carrier Details (Quantity and Weight)	0	2	
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
Not Used	390	TD3	Carrier Details (Equipment)	0	12	
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	410	PKG	Marking, Packaging, Loading	0	25	
Not Used	420	MSG	Message Text	0	>1	

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name LOOP ID - PO1	Req. <u>Des.</u>	Max.Use	Loop <u>Repeat</u> 100000	Notes and <u>Comments</u>
	010	PO1	Baseline Item Data	0	1	100000	n2
	018	SI	Service Characteristic Identification	0	5		
Not Used	020	CUR	Currency	0	1		
Not Used	030	PO3	Additional Item Detail	0	25		
Not Used	040	CTP	Pricing Information	0	>1		
Not Used	045	PAM	Period Amount	0	10		
Not Used	049	MEA	Measurements	0	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	0	1		
Not Used	060	MEA	Measurements	0	10		
Not Used	070	PWK	Paperwork	0	25		
Not Used	090	PO4	Item Physical Details	0	>1		
	100	REF	Reference Numbers	0	>1		
Not Used	110	PER	Administrative Communications Contact	0	3		
			LOOP ID - SAC			25	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	0	1		

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lot Used	135	CUR	Currency	0	1				
lot Used	140	IT8	Conditions of Sale	0	1				
lot Used	150	ITD	Terms of Sale/Deferred Terms of Sale	0	2				
lot Used	160	DIS	Discount Detail	0	20				
lot Used	165	INC	Installment Information	0	1				
lot Used	170	TAX	Tax Reference	0	>1				
lot Used	180	FOB	F.O.B. Related Instructions	0	>1				
lot Used	190	SDQ	Destination Quantity	0	500				
lot Used	200	DTM	Date/Time Reference	0	10				
ot Used	210	LDT	Lead Time	0	12				
ot Used	230	TD1	Carrier Details (Quantity and Weight)	0	1				
ot Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12				
ot Used	250	TD3	Carrier Details (Equipment)	0	12				
lot Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5				
			LOOP ID - ACK			104			
ot Used	270	ACK	Line Item Acknowledgment	0	1				
ot Used	280	DTM	Date/Time Reference	0	1				
ot Used	290	MAN	Marks and Numbers	0	10				
ot Used	300	AMT	Monetary Amount	0	1		n3		
ot Used	302	TXI	Tax Information	0	>1				
			LOOP ID - PKG			200			
ot Used	303	PKG	Marking, Packaging, Loading	0	1				
ot Used	305	MEA	Measurements	0	>1				
			LOOP ID - SCH			200			
ot Used	310	SCH	Line Item Schedule	0	1		n4		
lot Used	315	TD1	Carrier Details (Quantity and Weight)	0	2				
lot Used	320	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12				
ot Used	330	TD3	Carrier Details (Equipment)	0	12				
lot Used	340	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5				
			LOOP ID - N9			1000			
lot Used	350	N9	Reference Number	0	1				
lot Used	360	MSG	Message Text	0	1000				
			LOOP ID - N1			200			
ot Used	370	N1	Name	0	1				
lot Used	380	N2	Additional Name Information	0	2				
ot Used	390	N3	Address Information	0	2				
ot Used	400	N4	Geographic Location	0	1				
lot Used	405	NX2	Real Estate Property ID Component	0	3				
lot Used	410	REF	Reference Numbers	0	12				
lot Used	420	PER	Administrative Communications Contact	0	3				
lot Used	430	FOB	F.O.B. Related Instructions	0	1				
lot Used	435	SCH	Line Item Schedule	0	200				
ot Used	440	TD1	Carrier Details (Quantity and Weight)	0	2				

BellSout Electron BellSout	ic Dat	Issue Date: 10/28/1999 Issue: 7f Volume: 4				
Not Used	450	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	11
Not Used	460	TD3	Carrier Details (Equipment)	0	12	
Not Used	470	TD4	Carrier Details (Special Handling, or Hazardous	0	5	
Not Used	480	PKG	Materials, or Both) Marking, Packaging, Loading	0	25	
			LOOP ID - SLN			1000
Not Used	490	SLN	Subline Item Detail	0	1	
Not Used	500	SI	Service Characteristic Identification	0	5	
Not Used	510	PID	Product/Item Description	0	1000	
Not Used	520	PO3	Additional Item Detail	0	25	
Not Used	522	CTP	Pricing Information	0	25	
Not Used	523	PAM	Period Amount	0	10	
Not Used	530	ACK	Line Item Acknowledgment	0	104	
			LOOP ID - SAC			10
Not Used	540	SAC	Service, Promotion, Allowance, or Charge	0	1	
Not Used	545	CUR	Information Currency	0	1	
Not Used	550	DTM	Date/Time Reference	0	10	
Not Used	554	PO4	Item Physical Details	0	1	
Not Used	557	TAX	Tax Reference	0	3	
			LOOP ID - N1			10
Not Used	560	N1	Name	0	1	
Not Used	570	N2	Additional Name Information	0	2	
Not Used	580	N3	Address Information	0	2	
Not Used	590	N4	Geographic Location	0	1	
Not Used	600	NX2	Real Estate Property ID Component	0	3	
Not Used	610	REF	Reference Numbers	Ο	12	
Not Used	620	PER	Administrative Communications Contact	0	3	

Summary:

	Pos.	Seg.		Req.		Loop	Notes and
	<u>No.</u>	ID	<u>Name</u>	Des.	Max.Use	Repeat	Comments
Must Use	010	CTT	Transaction Totals	М	1		n5
Not Used	020	AMT	Monetary Amount	0	1		n6
Must Use	030	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

- 1. If segment LIN is used, do not use LIN01.
- **2.** PO102 is required.
- **3.** If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
- 4. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.
- 5. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

6. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Segment:	ST Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) 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	X ⁷	 .			
	Des.	<u>Element</u>	Name	<u>Attributes</u>			
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3			
			Code uniquely identifying a Transaction Set				
			855 X12.9 Purchase Order Acknowledgr	nent			
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9			
			Identifying control number that must be unique within the transaction set				
			functional group assigned by the originator for a transaction set				
			The value of the data element in ST02 in the Transaction Set Header (ST)				
			must match the value of this same data element in SE02 i	in Transaction Set			
			Trailer (SE).				

Syntax Notes: I BAK04 is the date assigned by the purchaser to purchase order. Semantic Notes: I BAK04 is the date assigned by the purchaser to purchase order. 2 BAK08 is the seller's order number. BAK09 is the date assigned by the sender to the acknowledgment. 3 BAK09 is the date assigned by the sender to the acknowledgment. Comments: Data Element Summary Ref. Data Des. Element Must Use BAK01	d						
Semantic Notes: 1 BAK04 is the date assigned by the purchaser to purchase order. 2 BAK08 is the seller's order number. 3 BAK09 is the date assigned by the sender to the acknowledgment. Data Element Summary Ref. Data Des. Element Name Attributes							
Data Element Summary Ref. Data <u>Des. Element</u> <u>Name</u> <u>Attributes</u>							
Ref.DataDes.ElementNameAttributes							
Des. <u>Element</u> <u>Name</u> <u>Attributes</u>							
111 ID 233 IT ansaction bet a pose out 1 1 1 1 2 2							
Code identifying purpose of transaction set							
TRAN-SET-PURPOSE-CODE							
BellSouth valid codes:							
06 Confirmation							
08 Status							
21 Transaction on Hold							
Must UseBAK02587Acknowledgment TypeMID 2/2							
Code specifying the type of acknowledgment							
BellSouth valid EDI usage:							
If BAK01 then BAK02							
$\begin{array}{ccc} 06 & AT = & Accepted FOC \\ 06 & AH = & Clarification (860 Required) \end{array}$							
06 RD = Reject (850 Required)							
08 NA= Status (No Action Required)							
AC = Jeopardy (New Desired Due Date Required)							
Must UseBAK03324Purchase Order NumberMAN 1/22							
Identifying number for Purchase Order assigned by the orderer/purchaser							
PON: Purchase Order Number							
Must Use BAK04 373 Date M DT 6/6							
Date (YYMMDD)							
Not UsedBAK05328Release NumberOAN 1/30							
Number identifying a release against a Purchase Order previously placed by							
the parties involved in the transaction							
Not UsedBAK06326Request Reference NumberOAN 1/45							
Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used							
with contract number)	1						
Not Used BAK07 367 Contract Number O AN 1/30							
Contract number							
Not Used BAK08 127 Reference Number O AN 1/30							
Reference number or identification number as defined for a particular							
Transaction Set, or as specified by the Reference Number Qualifier.							
Not UsedBAK09373DateODT 6/6							
Date (YYMMDD)							

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

	D 6		Data Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	Name	Attributes	
Must Use	REF01	128	Reference Number Qualifier	M ID 2/2	
			Code qualifying the Reference Number.		
			BellSouth valid codes:		
			11 Account Number		
			Number identifies a te	lecommunications industry	
			account	·	
			12 Billing Account		
			Account number unde	r which billing is rendered	
			1V Related Vendor Order	Number	
			A vendor's order number that is in addition to a		
			primary		
			order number		
			2I Tracking Number		
			OW Service Order Number		
			Number assigned when a customer orders service an equipment and which appears on bill		
	REF02	127	Reference Number	X AN 1/30	
			Reference number or identification number		
			Transaction Set or as specified by the Refer	ence Number Qualifier.	
			If REF01 then REF02 12 BAN1 or BAN2: Billing A	Number 1 and	
			12BAN1 or BAN2: Billing A1VRORD: Related Vendor C		
			2I LSR NO: Local Service Re		
			OW ORD: Order Number		
			If REF01 & REF03 then REF02		
			11 AN AN: Account Nu		
	DEEAA	252	11 ATN ATN: Account		
	REF03	352	Description	X AN 1/80	
			A free-form description to clarify the relate	a data elements and their content	
			If REF01 then REF03		
			11AN or ATN12BI1 or BI2: Billing Account	nt Number Identifier 1 or 2	
			12 DIT OF DI2. DITING ACCOU	int runnoer lucitumer 1 01 2	

	Segment:	PER	Administrative Communications Contact							
	Position:	060								
	Loop:									
	Level:	Heading								
	Usage:	Optional								
	Max Use:	3								
	Purpose:	To identi	To identify a person or office to which administrative communications should be directed							
Syr	ntax Notes:	1 If either PER03 or PER04 is present, then the other is required.								
-		2 If either PER05 or PER06 is present, then the other is required.								
		3 If eit	her PER07 or PER08 is present, then the other is required.							
Sema	ntic Notes:									
(Comments:									
			Data Element Summary							
	Ref.	Data								
	Des.	Element	Name	Attributes						
t Use	PER01	366	Contact Function Code	M ID 2/2						
			Code identifying the major duty or responsibility of the per-	son or group						
			named	-						
			BellSouth valid code:							

	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
Must Use	PER01	366	Contact Function Code	Μ	ID 2/2
			Code identifying the major duty or responsibility of the pe	erson o	or group
			named		
			BellSouth valid code:		
			OC Order Contact		
	PER02	93	Name	0	AN 1/35
			Free-form name		
			If PER01 then PER02		
			OC REP: Provider Contact Representative		
	PER03	365	Communication Number Qualifier	Х	ID 2/2
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE Telephone		
	PER04	364	Communication Number	Х	AN 1/80
			Complete communications number including country or a	rea co	de when
			applicable		
			If		
			PER01 PER03 then PER04		
			OC TE REP-TEL NO: Provider Contact R	-	
Not Used	PER05	365	Communication Number Qualifier	Х	ID 2/2
			Code identifying the type of communication number		
Not Used	PER06	364	Communication Number	Х	AN 1/80
			Complete communications number including country or a	rea co	de when
			applicable		
Not Used	PER07	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number		
Not Used	PER08	364	Communication Number	Х	AN 1/80
			Complete communications number including country or a	rea co	de when
	DEDAA		applicable	0	
Not Used	PER09	443	Contact Inquiry Reference	0	AN 1/20
			Additional reference number or description to clarify a co	ntact 1	number

Semai	Segment: Position: Loop: Level: Usage: Max Use: Purpose: atax Notes: ntic Notes: Comments:	150 Heading Optional 10 To specif 1 At le	A Date/Time Reference Ty pertinent dates and times east one of DTM02 DTM03 or DTM06 is required. ther DTM06 or DTM07 is present, then the other is required	1.	
		_	Data Element Summary		
Must Use	Ref. <u>Des.</u> DTM01	Data <u>Element</u> 374	<u>Name</u> Date/Time Qualifier Code specifying type of date or time, or both date and time BellSouth valid codes:	Μ	<u>ributes</u> ID 3/3
			007Effective097Transaction Creation150Service Period Start992Date Requested		
	DTM02	373	Date (YYMMDD) If DTM01 then DTM02 007 EBD: Effective Bill Date 097 CD/SENT: Confirmation Sent Date 150 DD: Due Date	X	DT 6/6
Not Used	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, HHMMSSD, or HHMMSSDD, where $H =$ hours (00-23), M 59), S = integer seconds (00-59) and DD = decimal second are expressed as follows: D = tenths (0-9) and DD = hundr	M = m ls; dec	ninutes (00- cimal seconds
Not Used	DTM04	623	Time Code Code identifying the time. In accordance with Internationa Organization standard 8601, time can be specified by a + or indication in hours in relation to Universal Time Coordina since + is a restricted character, + and - are substituted by b codes that follow	O Il Star or - an te (U	ID 2/2 ndards nd an TC) time;
	DTM05	624	CenturyThe first two characters in the designation of the year (CC)If DTM01 then DTM05007EBD-CC: Effective Bill Date Century Code097CD/SENT-CC: Confirmation Sent Date Century Code150DD-CC: Due Date Century Code		N0 2/2 Code

DTM06	1250	Date Time Period	Format Qualifier	X ID 2/3	
		Code indicating the	date format, time format, or date and t	time format	
		BellSouth valid cod	es:		
		RTM	Range of Time Expressed in Format I	HHMM-HHMM	
ТМ		TM	A range of times expressed in the form HHMM- HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour; the first occurrence of HHMM is the starting time and the second is the ending time Time Expressed in Format HHMM Time expressed in the format HHMM where HH is the numerical expression of hours in the day based on a twenty-four hour clock and MM is the numerical expression of minutes within an hour		
DTM07	1251	Date Time Period		X AN 1/35	
		Expression of a date	e, a time, or range of dates, times or dates	tes and times	
		If DTM01 then DT	M07		
		992 FDT:	Frame Due Time (Range or Time)		
		_	e (HHMM-HHMM) (HHMM)		

Segment:	SI Service Characteristic Identification
Position:	185
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes: Comments:	1 SI01 defines the source for each of the service characteristic qualifiers.

			Data Element Summary		
	Ref. <u>Des.</u>	Data <u>Element</u>	Name	Att	<u>ributes</u>
Must Use	SI01	559	Agency Qualifier Code	Μ	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
Must Use	SI02	1000	Service Characteristics Qualifier	Μ	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	aracteristics
			BN: Code for Local Billing Account Number		
Must Use	SI03	234	Product/Service ID	Μ	AN 1/40
			Identifying number for a product or service		
			If SI02 then SI03		
			BN LOCBAN: Local Billing Account Number		
Not Used	SI04	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	aracteristics
Not Used	SI05	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	SI06	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	aracteristics
Not Used	SI07	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	SI08	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	
Not Used	SI09	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	SI10	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI11	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		

Electronic	Data Interchar	nge (El	ering Implementation Guide (LEO-IG) DI) Acknowledgment Transaction Set, Version 3050	Issue Date: 10/28/1999 Issue: 7f Volume: 4		
Not Used	SI12	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of s	X ervice ch	ID 2/2 maracteristics	
Not Used	SI13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40	
Not Used	SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of s	X ervice ch	ID 2/2 maracteristics	
Not Used	SI15	234	Product/Service ID Identifying number for a product or service	X	AN 1/40	
Not Used	SI16	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of s	X ervice ch	ID 2/2 naracteristics	
Not Used	SI17	234	Product/Service ID Identifying number for a product or service	X	AN 1/40	
Not Used	SI18	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of s	X ervice ch	ID 2/2 naracteristics	
Not Used	SI19	234	Product/Service ID Identifying number for a product or service	X	AN 1/40	
Not Used	SI20	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of s	X ervice ch	ID 2/2 maracteristics	
Not Used	SI21	234	Product/Service ID Identifying number for a product or service	X	AN 1/40	

Segment:	PID Product/Item Description
Position:	190
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code lists being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F''$, then $PID05$ is used. If $PID01 = S''$, then $PID04$ is used. If $PID01 = PID01 = F''$
	``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.
	3 PID07 specifies the individual code list of the agency specified in PID03

3 PID07 specifies the individual code list of the agency specified in PID03.

			Data Element Summary		
	Ref.	Data	N		
	Des.	Element	Name		ributes
Must Use	PID01	349	Item Description Type	Μ	ID 1/1
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
Not Used	PID02	750	Product/Process Characteristic Code	0	ID 2/3
			Code identifying the general class of a product or process	s charao	cteristic
	PID03	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	Х	AN 1/12
			A code from an industry code list which provides specific data about a product		
			characteristic		
			AH: Coordinated Hot Cut is Requested		
Not Used	PID05	352	Description	X	AN 1/80
			A free-form description to clarify the related data elemen		
Not Used	PID06	752	Surface/Layer/Position Code	0	ID 2/2
			Code indicating the product surface, layer or position that		•
	PID07	822	Source Subqualifier	0	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
			SO-RSQ		
	PID08	1073	Yes/No Condition or Response Code	0	ID 1/1
			Code indicating a Yes or No condition or response		
			If PID04 then PID08		
			AH CHC: Coordinated Hot Cut		

Segment:	N9 Reference Number
Position:	280
Loop:	N9
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference
	number qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
Semantic Notes:	1 N906 reflects the time zone that the time reflects.
Comments:	

	Ref.	Data	Data ER	inent Summary		
Must Use	<u>Des.</u> N901	Element 128	<u>Name</u> Reference Numbe Code qualifying the	r Qualifier e Reference Number.	<u>Attı</u> M	ributes ID 2/2
			BellSouth usage: L1 = non-retained			
			1Q	Error Identification Code		
				Qualifies a single number that describ in application-level data	es an	error found
			L1	Letters or Notes		
			SH	Sender Defined Clause		
	N902	127	Reference Number	r	Х	AN 1/30
			Transaction Set orIf N901 then N9021QERROL1ORI	or identification number as defined for a as specified by the Reference Number Q R-CODE Order Instructions	-	
NT / TT 1	1000	2(0		US-CODE	T 7	
Not Used	N903	369	Free-form Descript		X	AN 1/45
Not Used	N904	373	Date Date (YYMMDD)		0	DT 6/6
Not Used	N905	337	HHMMSSD, or HH 59), $S = integer sec$	24-hour clock time as follows: HHMM, IMMSSDD, where H = hours (00-23), M ronds (00-59) and DD = decimal second clows: D = tenths (0-9) and DD = hundr	M = m s; dec	inutes (00- imal seconds
Not Used	N906	623	Time Code Code identifying th Organization stand indication in hours	e time. In accordance with Internationa ard 8601, time can be specified by a + o in relation to Universal Time Coordina ed character, + and - are substituted by I	O l Stan or - an te (U)	ID 2/2 dards d an FC) time;

Segment:	MSG Message Text
Position:	290
Loop:	N9
Level:	Heading
Usage:	Optional
Max Use:	1000
Purpose:	To provide a free form format that would allow the transmission of text information.
Syntax Notes:	
Semantic Notes:	
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
	Data Element Summary

Must Use	Ref. <u>Des.</u> MSG01	Data <u>Element</u> 933	<u>Name</u> Free-Form Message Text Free-form message text	<u>Attril</u> M	<u>butes</u> AN 1/264
			If N902thenMSG01ERROR-CODEERROR-MSG: Error MesORIREMARKS: RemarksSTATUS-CODESTATUS-MSG:Status M	C	
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed	• -	ID 2/2 rinter

Segment:	N1 Name
Position:	300
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.

Entity Identifier Code M ID 2/2 Must Use N101 98 Code identifying an organizational entity, a physical location, or an individual BellSouth valid codes: 78 Service Requester BY Buying Party (Purchaser) **Design Engineering** DG Identifies the design engineer or office of the design engineer who will receive design specifications N102 93 Name Х AN 1/35 Free-form name If N101 then N102 78 CCNA: Customer Carrier Name Abbreviation DG DSGCON: Design/Engrg. Contact N103 ID ½ 66 **Identification Code Qualifier** Х Code designating the system/method of code structure used for Identification Code (67) BellSouth valid code: 25 Carrier's Customer Code N104 67 **Identification Code** Х AN 2/20 Code identifying a party or other code If N101 & N103 then N104 BY CC: Company Code 25 **Entity Relationship Code** Not Used N105 706 0 ID 2/2 Code describing entity relationship Not Used N106 98 **Entity Identifier Code** 0 ID 2/2

Data Element Summary

Ref.

Des.

Data

Element

Name

Attributes

Segment:	PER Administrative Communications Contact
Position:	350
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to which administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	

Comments:

	Ref.	Data	Data Element Summary		
	Des.	<u>Element</u>	Name	A ##	ributes
Must Use	<u>Des.</u> PER01	<u>366</u>	Contact Function Code	M	ID 2/2
Must Osc	I LINUI	500	Code identifying the major duty or responsibility of the pe		-
			named	15011 (n group
			BellSouth valid code:		
			AG Agent		
	PER02	93	Name	0	AN 1/35
	I LINUZ)5	Free-form name	U	AN 1/55
			If PER01 then PER02 AG INIT: Initiator Identification		
	PER03	365	AG INIT: Initiator Identification Communication Number Qualifier	X	ID 2/2
	I LINUJ	505	-	Λ	117 4/4
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE Telephone		
	PER04	364	Communication Number	Х	AN 1/80
			Complete communications number including country or a	rea co	de when
			applicable		
			If PER01 & PER03 then PER04		
			AG TE INIT-TEL NO: Initiator Tele	•	
Not Used	PER05	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number		
Not Used	PER06	364	Communication Number	Х	AN 1/80
			Complete communications number including country or a	rea co	de when
			applicable		
Not Used	PER07	365	Communication Number Qualifier	Х	ID 2/2
			Code identifying the type of communication number		
Not Used	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or a	rea co	de when
Not Ugo-	DEDAO	112	applicable	0	AN 1/20
Not Used	PER09	443	Contact Inquiry Reference	-	AN 1/20
			Additional reference number or description to clarify a co	mact I	lumber

Segment:	PO1 Ba	aseline Item Data
Position:	010	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify ba	sic and most frequently used line item data
Syntax Notes:	- ·	3 is present, then PO102 is required.
·	2 If PO105	5 is present, then PO104 is required.
		PO106 or PO107 is present, then the other is required.
		PO108 or PO109 is present, then the other is required.
		PO110 or PO111 is present, then the other is required.
		PO112 or PO113 is present, then the other is required.
		PO114 or PO115 is present, then the other is required.
		PO116 or PO117 is present, then the other is required.
	9 If either	PO118 or PO119 is present, then the other is required.
	10 If either	PO120 or PO121 is present, then the other is required.
		PO122 or PO123 is present, then the other is required.
		PO124 or PO125 is present, then the other is required.
Semantic Notes:		- · · ·
Comments:	1 See the I	Data Dictionary for a complete list of ID's.
		s the line item identification.

S

-)1 is the line item identification.
- 3 PO106 through PO125 provide for ten- (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., and SKU.

	Ref.	Data			
	Des.	<u>Element</u>	Name		<u>ributes</u>
	PO101	350	Assigned Identification	0	AN 1/11
			Alphanumeric characters assigned for differentiation with	thin a tr	ansaction set
			REFNUM		
Not Used	PO102	330	Quantity Ordered Quantity ordered	Х	R 1/9
Not Used	PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expression which a measurement has been taken	O essed, o	ID 2/2 r manner in
Not Used	PO104	212	Unit Price Price per unit of product, service, commodity, etc.	Х	R 1/17
Not Used	PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item	0	ID 2/2
Not Used	PO106	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive numb Product/Service ID (234)	er used	in
Not Used	PO107	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive numb Product/Service ID (234)	X er used	ID 2/2 in
Not Used	PO109	234	Product/Service ID	Х	AN 1/40

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<u></u>				v oraini	
			Identifying number for a product or service		
Not Used	PO110	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	nber used	in
Not Used	PO111	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234)	X nber used	ID 2/2 in
Not Used	PO113	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X nber used	ID 2/2 in
Not Used	PO115	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num	X nber used	ID 2/2 in
Not Used	PO117	234	Product/Service ID (234) Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234)	X nber used	ID 2/2 in
Not Used	PO119	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234)	X nber used	ID 2/2 in
Not Used	PO121	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive num Product/Service ID (234)	X nber used	ID 2/2 in
Not Used	PO123	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	PO124	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive num Product/Service ID (234)	nber used	
Not Used	PO125	234	Product/Service ID Identifying number for a product or service	Х	AN 1/40

G (ST a			
Segment:		rvice Characteristic Identification		
Position:	018 PO1			
Loop: Level:	Detail			
Usage:	Optional			
Max Use:	5			
Purpose:		fy service characteristic data		
Syntax Notes:	-	ther SI04 or SI05 is present, then the other is required.		
<i>Sy</i> 10001 1 (00050		ther SI06 or SI07 is present, then the other is required.		
		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.		
	7 If eit	ther SI16 or SI17 is present, then the other is required.		
	8 If eit	ther SI18 or SI19 is present, then the other is required.		
	9 If eit	ther SI20 or SI21 is present, then the other is required.		
Semantic Notes:				
Comments:		l defines the source for each of the service characteristic quali		
Notes:		ough SI21 data segments may be transmitted in pairs as indic		
		" or "strung out" in one line—in any order, on any of the five		-
		as long as the appropriate Service Characteristics Qualifier p	recede	es the
	Product/	Service ID value.		
		Data Element Summary		
Ref.	Data	Data Element Summary		
IXUI.	Data			
Des.	Element	Name	Attr	ibutes
<u>Des.</u> Must Use SI01	<u>Element</u> 559		<u>Attr</u> M	<u>ibutes</u> ID 2/2
<u>Des.</u> Must Use SI01	<u>Element</u> 559	Agency Qualifier Code		<u>ibutes</u> ID 2/2
		Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code:		
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry	Μ	ID 2/2
		Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier	M	ID 2/2 ID 2/2
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service	M M ce cha	ID 2/2 ID 2/2 tracteristics
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers restricts	M M ce cha may b	ID 2/2 ID 2/2 aracteristics e placed in
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI of the comparison of the co	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI co in the SI segment when followed by the appropriate corresp	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI of the comparison of the co	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI co in the SI segment when followed by the appropriate corresp	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234).	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers rany occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI c in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair OT: Code For Out (Old) Telephone Number	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair OT: Code For Out (Old) Telephone Number PX: Activate Stations Range	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair OT: Code For Out (Old) Telephone Number PX: Activate Stations Range RI: Route Index	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)
Must Use SI01	559	Agency Qualifier Code Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier Code from an industry code list qualifying the type of service BellSouth valid qualifiers are listed here. These qualifiers r any occurrence of a Service Characteristics Qualifier (EDI of in the SI segment when followed by the appropriate corresp Product/Service ID (EDI data element 234). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair OT: Code For Out (Old) Telephone Number PX: Activate Stations Range	M M ce cha may b data ei	ID 2/2 ID 2/2 tracteristics e placed in lement 1000)

Must Use	SI03	234	Product/Service ID	Μ	AN 1/40
			Identifying number for a product or service		
			BellSouth valid IDs are listed here. These IDs may be pla		
			occurrence of a Product/Service ID (EDI data element 234 when preceded by the appropriate corresponding Service C		-
			Qualifier (EDI data element 1000).	marac	leristics
			Quanner (LDT auta element 1000).		
			If SI02 then SI03		
			CM CKR: Customer Circuit Reference		
			CN ECCKT: Exchange Company Circuit ID		
			IT PORTED #: Ported Number		
			K1SYSTEM ID: System IDK2CABLE ID: Cable ID		
			K2 CABLE ID: Cable ID K3 SHELF: Shelf		
			K4 SLOT: Slot		
			K5 RELAY RACK: Relay Rack		
			K6 CHAN/PAIR: Chan/Pair		
			OT OTN: Out (old) Telephone Number		
			PX STATIONS: Activate Stations Range		
			RI RTI: Route Index		
			T5 TER: Terminal TN TN: Telephone Number		
	SI04	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of serv		
	SI05	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
	SI06	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of serv	ice ch	
	SI07	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
	SI08	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of serv	ice ch	aracteristics
	SI09	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
	SI10	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of serv	ice ch	aracteristics
	SI11	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
	SI12	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of serv	ice ch	aracteristics
	SI13	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
	SI14	1000	Service Characteristics Qualifier	X	ID 2/2
			Code from an industry code list qualifying the type of serv	ice ch	
	SI15	234	Product/Service ID	X	AN 1/40
	-		Identifying number for a product or service	-	

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SI16 1000	Service Characteristics Qualifier	Х	ID 2/2
	Code from an industry code list qualifying the type of	service ch	aracteristics
SI17 234	Product/Service ID	Х	AN 1/40
	Identifying number for a product or service		
SI18 1000	Service Characteristics Qualifier	X	ID 2/2
	Code from an industry code list qualifying the type of	service ch	aracteristics
SI19 234	Product/Service ID	Х	AN 1/40
	Identifying number for a product or service		
SI20 1000	Service Characteristics Qualifier	Х	ID 2/2
	Code from an industry code list qualifying the type of	service ch	aracteristics
SI21 234	Product/Service ID	X	AN 1/40
	Identifying number for a product or service		

Segment:	PID Product/Item Description
Position:	050
Loop:	PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code lists being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A `Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F'$, then $PID05$ is used. If $PID01 = S'$, then $PID04$ is used. If $PID01 =$
	``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.

3 PID07 specifies the individual code list of the agency specified in PID03.

Must Use	Ref. <u>Des.</u> PID01	Data <u>Element</u> 349	<u>Name</u> Item Description Type Code indicating the format of a description	<u>Att</u> M	<u>ributes</u> ID 1/1			
			BellSouth valid code: X Semi-structured (Code and Text)					
Not Used	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process	O charae	ID 2/3 cteristic			
	PID03	559	Agency Qualifier Code	Х	ID 2/2			
			Code identifying the agency assigning the code values					
			BellSouth valid code:	try X AN 1/12				
			TI Telecommunications Industry					
	PID04	751	Product Description Code					
			A code from an industry code list which provides specific characteristic	data a	bout a product			
			CFA: Connecting Facility Assignment					
	PID05	352	Description	X	AN 1/80			
			A free-form description to clarify the related data element	s and	their content			
			If PID04 then PID05 CFA CFA: Connecting Facility Assignment					
Not Used	PID06	752	Surface/Layer/Position Code	0	ID 2/2			
			Code indicating the product surface, layer or position that	is bei	ng described			
Not Used	PID07	822	Source Subqualifier	0	AN 1/15			
			A reference that indicates the table or text maintained by	the So	urce Qualifier			
Not Used	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response	0	ID 1/1			

Segment:	REF Reference Numbers
Position:	100
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

			Data	Element Summary		
	Ref.	Data				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>
Must Use	REF01	128	Reference Num	nber Qualifier	Μ	ID 2/2
			Code qualifying	g the Reference Number.		
			BellSouth valid	codes:		
			9F	Referral Number		
			A3	Assignment Number		
	REF02	127	Reference Num	nber	Х	AN 1/30
	Reference number or identification number as defined for a particular Transaction Set or as specified by the Reference Number Qualifier.					
			If REF01 then	REF02		
			9F	INPORD: Interim Number Portability On	rder N	lumber
			A3	L-ORD: Loop Order Number		
	REF03	352	Description		Х	AN 1/80
			A free-form des	scription to clarify the related data elements	s and	their content

Segment:	CTT Transaction Totals
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

	Ref.	Data	2		
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>
Must Use	CTT01	354	Number of Line Items	Μ	N0 1/6
			Total number of line items in the transaction set		
Not Used	CTT02	347	Hash Total	0	R 1/10
			Sum of values of the specified data element. All values in t will be summed without regard to decimal points (explicit signs. Truncation will occur on the left most digits if the su the maximum size of the hash total of the data element.	or im	plicit) or
Not Used	CTT03	81	Weight	Х	R 1/10
			Numeric value of weight		
Not Used	CTT04	355	Unit or Basis for Measurement Code	Х	ID 2/2
			Code specifying the units in which a value is being express which a measurement has been taken	sed, o	r manner in
Not Used	CTT05	183	Volume	Х	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	Unit or Basis for Measurement Code	Х	ID 2/2
			Code specifying the units in which a value is being express which a measurement has been taken	sed, or	r manner in
Not Used	CTT07	352	Description	0	AN 1/80
			A free-form description to clarify the related data elements	and t	heir content

	Segment:	SE T	ransaction Set Trailer		
	Position:	030			
	Loop:				
	Level:	Summary	y .		
	Usage:	Mandato			
	Max Use:	1			
	Purpose:		ate the end of the transaction set and provide the count of the g the beginning (ST) and ending (SE) segments).	e trans	smitted segments
Syn	tax Notes:				
-	ntic Notes:				
0	Comments:	1 SE is	s the last segment of each transaction set.		
	Ref.	Data	Data Element Summary	•	
	Des.	<u>Element</u>	Name		<u>ributes</u>
Must Use	SE01	96	Number of Included Segments	Μ	N0 1/10
			Total number of segments included in a transaction set inc segments	luding	g ST and SE
Must Use	SE02	329	Transaction Set Control Number	Μ	AN 4/9
			Identifying control number that must be unique within the	transa	action set
			functional group assigned by the originator for a transaction	n set	
			The value of the data element in ST02 in the Transaction S		
			must match the value of this same data element in SE02 in Trailer (SE).	Iran	Saction Set

865 Purchase Order Change Acknowledgment/Request Transaction Set

Using the 865 Purchase Order Change Acknowledgment/Request Transaction Set within the context of an Electronic Data Interchange environment at BellSouth requires the following:

- A familiarity with both the EDI specifications which follow, and
- The BellSouth usage rules as stated on the individual data element sheets found throughout the various sections of Volume 1 of this LEO Implementation Guide.

For the most part, the data element characteristics and valid entries detailed on these data element sheets are the exact rules that are followed when transmitting data via EDI. There are, however, a few instances where EDI standards rules dictate a different data element characteristic or valid entry than the OBF rules contained on these sheets. These few exceptions are listed on the appropriate data segment pages that follow.

The Telecommunications Industry Forum's guidelines for implementing the ANSI ASC X12 (American National Standards Institute, Accredited Standards Committee) standards are the basis for the specifications contained in this section. In some instances, to meet the needs of Local Exchange Ordering, it has been necessary for BellSouth to go outside the boundaries of these guidelines. These few instances are clearly indicated in the following specifications.

Where, in the following specifications, the standards state that an entry is required (marked "Must Use" and attributes show M), an entry <u>is</u> required. Where an EDI data element attribute shows AN (alphanumeric) and minimum and maximum field lengths, additional rules must also be adhered to. BellSouth usage rules, found on the individual data element sheets in Volume 1 of this guide, further define the data characteristics to be passed in the relevant data elements.

In summary, use of the 865 Purchase Order Change Acknowledgment/Request Transaction Set requires adherence to the rules stated in the following specifications based on ANSI ASC X12 standards <u>and</u> the BellSouth usage rules defined for each applicable data element. It is critical that the specifications in this section are followed to avoid translator rejections. It is equally important that the BellSouth usage rules listed on the individual data element sheets found throughout Volume 1 of this LEO Implementation Guide are followed when creating data content for this transaction set.

865 Purchase Order Change Acknowledgment/Request -Seller Initiated

Functional Group ID=CA

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Acknowledgment/Request - Seller Initiated Transaction Set (865) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to convey acceptance or rejection of changes to a previously submitted purchase order by the seller or to notify the buyer of changes initiated by the seller to a previously submitted purchase order by the seller.

Heading:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u>
Must Use	020	BCA	Beginning Segment for Purchase Order Change Acknowledgment	М	1		
Not Used	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	Ο	1		
	050	REF	Reference Numbers	Ο	>1		
	060	PER	Administrative Communications Contact	Ο	3		
Not Used	070	TAX	Tax Reference	Ο	>1		
Not Used	080	FOB	F.O.B. Related Instructions	Ο	>1		
Not Used	090	CTP	Pricing Information	Ο	>1		
Not Used	095	PAM	Period Amount	Ο	10		
Not Used	110	CSH	Header Sale Condition	0	1		
			LOOP ID - SAC			25	
Not Used	120	SAC	Service, Promotion, Allowance, or Charge	Ο	1		
Not Used	125	CUR	Information Currency	0	1		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	0	5		
Not Used	140	DIS	Discount Detail	Ο	20		
Not Used	145	INC	Installment Information	Ο	1		
	150	DTM	Date/Time Reference	Ο	10		
Not Used	160	LDT	Lead Time	Ο	12		
Not Used	180	LIN	Item Identification	Ο	5		n1
	185	SI	Service Characteristic Identification	Ο	2		
	190	PID	Product/Item Description	Ο	200		
Not Used	200	MEA	Measurements	Ο	40		
Not Used	210	PWK	Paperwork	Ο	25		
Not Used	220	PKG	Marking, Packaging, Loading	Ο	25		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	0	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	250	TD3	Carrier Details (Equipment)	0	12		

Electron	ic Dat	a Interch	ange Ordering Implementation Guide (nange (EDI) se Order Change Ack/Req Transactior	,		Issue Date: 10/28/1999 Issue: 7f Volume: 4
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	270	MAN	Marks and Numbers	0	10	
Not Used	275	TXI	Tax Information	0	>1	
Not Used	277	G53	Maintenance Type	0	>1	
			LOOP ID - N9			1000
	280	N9	Reference Number	0	1	
	290	MSG	Message Text	0	1000	
			LOOP ID - N1			200
	300	N1	Name	0	1	
Not Used	310	N2	Additional Name Information	0	2	
Not Used	320	N3	Address Information	0	2	
Not Used	330	N4	Geographic Location	0	1	
Not Used	335	NX2	Real Estate Property ID Component	0	3	
Not Used	340	REF	Reference Numbers	0	12	
	350	PER	Administrative Communications Contact	0	>1	
Not Used	360	FOB	F.O.B. Related Instructions	0	1	
Not Used	370	TD1	Carrier Details (Quantity and Weight)	0	2	
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
Not Used	390	TD3	Carrier Details (Equipment)	0	12	
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5	
Not Used	410	PKG	Marking, Packaging, Loading	0	25	
Not Used	420	MSG	Message Text	0	>1	

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. Des.	Max.Use	Loop <u>Repeat</u>	Notes and <u>Comments</u>
			LOOP ID - POC			>1	
	010	POC	Line Item Change	0	1		
	018	SI	Service Characteristic Identification	0	5		
Not Used	020	CUR	Currency	0	1		
Not Used	030	PO3	Additional Item Detail	0	25		
Not Used	040	CTP	Pricing Information	0	>1		
Not Used	045	PAM	Period Amount	0	10		
Not Used	049	MEA	Measurements	0	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	0	1		
Not Used	060	MEA	Measurements	Ο	10		
Not Used	070	PWK	Paperwork	0	25		
Not Used	080	PKG	Marking, Packaging, Loading	0	25		
Not Used	090	PO4	Item Physical Details	0	>1		
	100	REF	Reference Numbers	0	>1		
Not Used	110	PER	Administrative Communications Contact	0	3		
			LOOP ID - SAC			25	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge	0	1		

			hange (EDI) se Order Change Ack/Req Transactior	set, V	ersion 3050	Issue: 7f Volume: 4	
Not Used	135	CUR	Information Currency	0	1		
Not Used	140	IT8	Conditions of Sale	0	1		
lot Used	150	ITD	Terms of Sale/Deferred Terms of Sale	0	2		
lot Used	160	DIS	Discount Detail	0	20		
Not Used	165	INC	Installment Information	0	1		
Not Used	170	TAX	Tax Reference	0	>1		
Not Used	180	FOB	F.O.B. Related Instructions	0	>1		
Not Used	190	SDQ	Destination Quantity	0	500		
Not Used	200	DTM	Date/Time Reference	0	10		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	0	1		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	250	TD3	Carrier Details (Equipment)	0	12		
Not Used	260	TD3	Carrier Details (Special Handling, or Hazardous	0	5		
			Materials, or Both)				
Not Used	265	TXI	Tax Information	0	>1		
			LOOP ID - ACK			104	
Not Used	270	ACK	Line Item Acknowledgment	0	1		
Not Used	280	DTM	Date/Time Reference	0	1		
Not Used	290	MAN	Marks and Numbers	0	10		
lot Used	291	SPI	Specification Identifier	0	>1		
lot Used	292	MSG	Message Text	0	>1		
lot Used	300	AMT	Monetary Amount	0	1	n2	
			LOOP ID - SCH			200	
Not Used	305	SCH	Line Item Schedule	0	1		
lot Used	310	TD1	Carrier Details (Quantity and Weight)	0	2		
Not Used	315	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12		
Not Used	320	TD3	Carrier Details (Equipment)	0	12		
lot Used	330	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	0	5		
			LOOP ID - LDT			>1	
Not Used	335	LDT	Lead Time	0	1		
Not Used	340	QTY	Quantity	0	>1		
Not Used	342	MSG	Message Text	0	1		
			LOOP ID - LM			>1	
Not Used	344	LM	Code Source Information	0	1		
Not Used	346	LQ	Industry Code	М	>1		
			LOOP ID - N9			1000	_
Not Used	350	N9	Reference Number	0	1	- 000	
Not Used	360	MSG	Message Text	0	1000		
101 0300	500	1150			1000		_
			LOOP ID - N1			200	
Not Used	370	N1	Name	0	1		
Not Used	380	N2	Additional Name Information	0	2		
Not Used	390	N3	Address Information	0	2		
Not Used	400	N4	Geographic Location	0	1		

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Not Used	405	NX2	Real Estate Property ID Component	0	3	1
Not Used	410	REF	Reference Numbers	0	12	
Not Used	420	PER	Administrative Communications Contact	0	3	
Not Used	430	FOB	F.O.B. Related Instructions	0	1	
Not Used	435	SCH	Line Item Schedule	0	200	
lot Used	440	TD1	Carrier Details (Quantity and Weight)	0	2	
Not Used	450	TD5	Carrier Details (Routing Sequence/Transit Time)	0	12	
lot Used	460	TD3	Carrier Details (Equipment)	0	12	
lot Used	470	TD4	Carrier Details (Special Handling, or Hazardous	0	5	
lot Used	480	PKG	Materials, or Both) Marking, Packaging, Loading	0	25	
			LOOP ID - LDT	-		>1
lot Used	485	LDT	Lead Time	0	1	
lot Used	486	MAN	Marks and Numbers	0	10	
lot Used	487	QTY	Quantity	0	5	
lot Used	488	MSG	Message Text	0	1	
			LOOP ID - SLN			1000
lot Used	490	SLN	Subline Item Detail	0	1	
lot Used	500	SI	Service Characteristic Identification	0	5	
lot Used	510	PID	Product/Item Description	0	1000	
lot Used	520	PO3	Additional Item Detail	0	25	
lot Used	522	СТР	Pricing Information	0	25	
lot Used	523	PAM	Period Amount	0	10	
lot Used	530	ACK	Line Item Acknowledgment	0	104	
			LOOP ID - SAC			10
lot Used	540	SAC	Service, Promotion, Allowance, or Charge	0	1	
lot Used	545	CUR	Information Currency	0	1	
lot Used	550	DTM	Date/Time Reference	0	10	
lot Used lot Used	554 557	PO4 TAX	Item Physical Details Tax Reference	0 0	1 3	
ioi Useu	557	IAA	LOOP ID - N1	0	5	10
lot Used	560	N1	Name	0	1	10
lot Used	570	N1 N2	Additional Name Information	0	2	
lot Used	580	N2 N3	Address Information	0	2	
lot Used	590	N4	Geographic Location	0	1	
lot Used	600	NX2	Real Estate Property ID Component	0	3	
lot Used	610	REF	Reference Numbers	0	12	
lot Used	620	PER	Administrative Communications Contact	0	3	

Summary:

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> CTT	<u>Name</u> Transaction Totals	Req. <u>Des.</u> M	Max.Use	Loop <u>Repeat</u>	Notes and Comments n3
Not Used	020	AMT	Monetary Amount	0	5		n4
Must Use	030	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

- **1.** If segment LIN is used, do not use LIN01.
- 2. If AMT is used in the detail area, then AMT01 will = 1 and AMT02 will indicate total line amount as calculated by the sender.
- **3.** Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.
- **4.** When AMT is used, then one occurrence of AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

Segment:	ST Transaction Set Header						
Position:	010						
Loop:							
Level:	Heading						
Usage:	Mandatory						
Max Use:	1						
Purpose:	To indicate the start of a transaction set and to assign a control number						
Syntax Notes:							
Semantic Notes:	1 The transaction set identifier (ST01) 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	<u>Name</u>	Attributes
Must Use	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
			865 X12.16 Purchase Order Change	
			Acknowledgment/Request - Seller I	nitiated
Must Use	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the	e transaction set
			functional group assigned by the originator for a transact	ion set
			The value of the data element in ST02 in the Transaction	Set Header (ST)
			must match the value of this same data element in SE02	in Transaction Set
			Trailer (SE).	

Segment:	BCA	Beginning	Segment for Purchase Order Cha	nge Acknowledgment			
Position:	020						
Loop:	020						
Level:	Heading						
Usage:	Mandato	ry					
Max Use:	1	•					
Purpose:		To indicate the beginning of the Purchase Order Change Acknowledgment Transaction Set and transmit identifying numbers and dates					
Syntax Notes:							
Semantic Notes:			assigned by the purchaser to purcha	se order.			
			er's order number.				
			assigned by the sender to the acknow	•			
			of the purchase order change reques	st.			
0	5 BCA	12 is the orde	er change acknowledgment date.				
Comments:							
		5					
Ref.	Data	Da	ata Element Summary				
Des.	Element	Name		Attributes			
Must Use BCA01	<u>353</u>		Set Purpose Code	M ID 2/2			
Must Use DEA01	555		ying purpose of transaction set				
		TRAN-SET-	PURPOSE-CODE				
	BellSouth valid codes:						
		06	Confirmation				
		08	Status				
		21	Transaction on Hold				
		CN	Completion Notification				
			Signifies that the order is co contained within is final for	-			

	BCA02	587	Acknowled	c p lgment Ty	-			
					ype of acknowledgment			
			BellSouth v	U				
			If BCA01 then BCA02					
			06	AT =	Accepted FOC			
			06	AH =	Clarification (860 Required)			
			06	RD =	Reject (860 Required)			
			08	NA=	Status (No Action Required)			
			21	AC =	Jeopardy (New Desired Due Date Required)			
			CN	AT =	Completion			
Must Use	BCA03	324	Purchase (Order Nun	nber M AN 1/22			
			Identifying number for Purchase Order assigned by the orderer/purcha					
			PON: Purch	hase Order	Number			
Not Used	BCA04	328		entifying a	O AN 1/30 release against a Purchase Order previously placed by a the transaction			

	BCA05	327	Change Order Sequence Number Number assigned by the orderer identifying a specific chan		AN 1/8 revision to a
			previously transmitted transaction set VER: Version Number		
Must Use	BCA06	373	Date Date (YYMMDD)	М	DT 6/6
Not Used	BCA07	326	Request Reference Number Reference number or RFQ number to use to identify a part set and query (additional reference number or description with contract number)		
Not Used	BCA08	367	Contract Number Contract number	0	AN 1/30
Not Used	BCA09	127	Reference Number Reference number or identification number as defined for a Transaction Set, or as specified by the Reference Number (-	
Not Used	BCA10	373	Date Date (YYMMDD)	0	DT 6/6
Not Used	BCA11	373	Date Date (YYMMDD)	0	DT 6/6
Not Used	BCA12	373	Date Date (YYMMDD)	0	DT 6/6
Not Used	BCA13	92	Purchase Order Type Code Code specifying the type of Purchase Order	0	ID 2/2
Not Used	BCA14	786	Security Level Code Code indicating the level of confidentiality assigned by the information following	O sende	ID 2/2 er to the
Not Used	BCA15	640	Transaction Type Code Code specifying the type of transaction	0	ID 2/2

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

	D 4	D (Data Ele	ment Summary		
	Ref.	Data	N7		• • •	ributes
	Des.	Element	Name			
Must Use	REF01	128	Reference Number	-	Μ	ID 2/2
			Code qualifying the			
			BellSouth valid code			
			11	Account Number		
				Number identifies a telecommunication	ons inc	lustry
				account		
			12	Billing Account		
				Account number under which billing	is reno	dered
			1V	Related Vendor Order Number		
				A vendor's order number that is in add	lition	to a
			primary order number			
			2I			
			OW	Service Order Number		
			Number assigned when a customer orders service			ervice and
				equipment and which appears on bill		
	REF02	127	Reference Number		X	AN 1/30
			Reference number o	r identification number as defined for a	a parti	cular
				as specified by the Reference Number Q	-	
			If REF01 then REI	F02		
				N1 or BAN2: Billing Account Number	1 or 1	2
				ORD: Related Vendor Order Number		
				R NO: Local Service Request Number		
			OW OF	RD: Order Number		
			ICDEE01 0 DEE02	the DEE02		
			If REF01 & REF03 11 AN	AN: Account Number		
			11 AIN 11 ATN	ATN: Account Telephone No.		
	REF03	352	Description	ATTA: Account Telephone 10.	X	AN 1/80
		002	-	tion to clarify the related data elements		
			If REF01 then REI	-	unu t	
				or ATN		
				or BI2: Billing Account Number Ider	tifier	1 or 2
			12 DI	Tor B12. Diffing Account Number Ider		1012

	Segment:		Administrative Communications Contact		
	Position:	060			
	Loop: Level:	Hooding			
	Usage:	Heading Optional			
	Max Use:	3			
	Purpose:	-	fy a person or office to which administrative communication	ıs sho	ould be directed
Syr	ntax Notes:		her PER03 or PER04 is present, then the other is required.		
·			her PER05 or PER06 is present, then the other is required.		
		3 If eit	her PER07 or PER08 is present, then the other is required.		
	ntic Notes: Comments:				
	D 4	D (Data Element Summary		
	Ref.	Data Element	Nome	A ++	wib utoa
Must Use	<u>Des.</u> PER01	<u>Element</u> 366	<u>Name</u> Contact Function Code	M ALL	<u>ributes</u> ID 2/2
Must Osc	I LINOI	500	Code identifying the major duty or responsibility of the per		
			named		8 1
			BellSouth valid code:		
			OC Order Contact		
	PER02	93	Name	0	AN 1/35
			Free-form name		
			If PER01 then PER02		
			OC REP: Provider Contact Representative		
	PER03	365	Communication Number Qualifier	Х	ID 2/2
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE Telephone		
	PER04	364	Communication Number	Х	AN 1/80
			Complete communications number including country or an	ea co	de when
			applicable		
			If DED01 & DED02 (here DED04		
			PER01 & PER03 thenPER04OCTEREP-TEL NO: Provider Contact	Ron '	Tele No
Not Used	PER05	365	Communication Number Qualifier	X	ID 2/2
nor escu	LINU	000	Code identifying the type of communication number		
Not Used	PER06	364	Communication Number	X	AN 1/80
			Complete communications number including country or an	ea co	de when
			applicable		
Not Used	PER07	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number		
Not Used	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or ar applicable	ea co	ue when
Not Used	PER09	443	Contact Inquiry Reference	0	AN 1/20
1,00 obcu			Additional reference number or description to clarify a con	-	

Additional reference number or description to clarify a contact number

Segment:	DTM Date/Time Reference
Position:	150
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	

			Data	Element Summary		
	Ref.	Data				
	Des.	Element	Name		Att	ributes
Must Use	DTM01	374	Date/Time Qua	lifier	Μ	ID 3/3
			-	type of date or time, or both date and time		
			007	Effective		
			097	Transaction Creation		
			150	Service Period Start		
			992	Date Requested		
	DTM02	373	Date		Х	DT 6/6
			Date (YYMMD	D)		
			If DTM01 then	DTM02		
			007 E	BD: Effective Bill Date		
			097 C	CD/SENT: Confirmation Sent Date		
			150 D	DD: Due Date		
Not Used	DTM03	337	Time		Х	TM 4/8
			Time expressed	in 24-hour clock time as follows: HHMM, o	or HF	IMMSS, or
			HHMMSSD, or	HHMMSSDD, where $H = hours (00-23)$, M	1 = m	inutes (00-
			59), $S = integer$	seconds (00-59) and DD = decimal seconds	s; dec	imal seconds
			are expressed as	follows: $D = tenths$ (0-9) and $DD = hundred$	edths	(00-99)
Not Used	DTM04	623	Time Code		0	ID 2/2
			Code identifying	g the time. In accordance with International	Stan	dards
			Organization sta	and and and 8601 , time can be specified by $a + or$	r - an	d 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	V		
	DTM05	624	Century		0	N0 2/2
			The first two cha	aracters in the designation of the year (CCY	(Y)	
			If DTM01 then	DTM05		
			007 E	BD-CC: Effective Bill Date Century Code		
			097 C	CD/SENT-CC: Confirmation Sent Date Cen	tury (Code
				DD-CC: Due Date Century Code		

DTM06	1250	Date Time Period	Format Qualifier	X ID 2/3
		Code indicating the	date format, time format, or date and ti	ime format
		BellSouth valid cod	es:	
		RTM	Range of Time Expressed in Format H	HMM-HHMM
		TM	A range of times expressed in the form HHMM where HH is the numerical ex- in the day based on a twenty-four hour is the numerical expression of minutes the first occurrence of HHMM is the s- the second is the ending time Time Expressed in Format HHMM Time expressed in the format HHMM numerical expression of hours in the o- twenty-four hour clock and MM is the expression of minutes within an hour	spression of hours r clock and MM s within an hour; starting time and where HH is the day based on a
DTM07	1251	Date Time Period	1	X AN 1/35
		Expression of a date	e, a time, or range of dates, times or dat	es and times
		If DTM01 then DT	M07	
		992 FDT:	Frame Due Time (Range or Time)	
		-	е (ННММ-ННММ) (ННММ)	

Segment:	SI Service Characteristic Identification
Position:	185
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify service characteristic data
Syntax Notes:	1 If either SI04 or SI05 is present, then the other is required.
	2 If either SI06 or SI07 is present, then the other is required.
	3 If either SI08 or SI09 is present, then the other is required.
	4 If either SI10 or SI11 is present, then the other is required.
	5 If either SI12 or SI13 is present, then the other is required.
	6 If either SI14 or SI15 is present, then the other is required.
	7 If either SI16 or SI17 is present, then the other is required.
	8 If either SI18 or SI19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	
Comments:	1 SI01 defines the source for each of the service characteristic qualifiers.

			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name		<u>ributes</u>
Must Use	SI01	559	Agency Qualifier Code	Μ	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
Must Use	SI02	1000	Service Characteristics Qualifier	\mathbf{M}	ID 2/2
			Code from an industry code list qualifying the type of serv	vice ch	aracteristics
			BN: Code for Local Billing Account Number		
Must Use	SI03	234	Product/Service ID	Μ	AN 1/40
			Identifying number for a product or service		
			If SI02 then SI03		
			BN LOCBAN: Local Billing Account Number		
Not Used	SI04	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of serv	vice ch	aracteristics
Not Used	SI05	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	SI06	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of serv	vice ch	aracteristics
Not Used	SI07	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	SI08	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of serv	vice ch	aracteristics
Not Used	SI09	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	SI10	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of serv	vice ch	aracteristics
Not Used	SI11	234	Product/Service ID	Х	AN 1/40

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			Identifying number for a product or service		
Not Used	SI12	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	naracteristics
Not Used	SI13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	SI14	1000	Service Characteristics Qualifier Code from an industry code list qualifying the type of se	X rvice ch	ID 2/2 maracteristics
Not Used	SI15	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	SI16	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	aracteristics
Not Used	SI17	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	SI18	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	aracteristics
Not Used	SI19	234	Product/Service ID Identifying number for a product or service	X	AN 1/40
Not Used	SI20	1000	Service Characteristics Qualifier	Х	ID 2/2
			Code from an industry code list qualifying the type of se	rvice ch	naracteristics
Not Used	SI21	234	Product/Service ID Identifying number for a product or service	X	AN 1/40

Segment:	PID Product/Item Description
Position:	190
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	200
Purpose:	To describe a product or process in coded or free form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code lists being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F'$, then $PID05$ is used. If $PID01 = S'$, then $PID04$ is used. If $PID01 = PID01 = PID01$
	``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.
	3 PID07 specifies the individual code list of the agency specified in PID03

3 PID07 specifies the individual code list of the agency specified in PID03.

			Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>
Must Use	PID01	349	Item Description Type	Μ	ID 1/1
			Code indicating the format of a description		
			X Semi-structured (Code and Text)		
Not Used	PID02	750	Product/Process Characteristic Code	0	ID 2/3
			Code identifying the general class of a product or process	charac	cteristic
	PID03	559	Agency Qualifier Code	Х	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
	PID04	751	Product Description Code	Х	AN 1/12
			A code from an industry code list which provides specific characteristic AH: Coordinated Hot Cut is Requested	data a	bout a product
Not Used	PID05	352	Description	X	AN 1/80
	DIDAG		A free-form description to clarify the related data element		
Not Used	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that	O t is bei	ID 2/2 ng described
	PID07	822	Source Subqualifier	0	AN 1/15
			A reference that indicates the table or text maintained by	the So	urce Qualifier
			SO-RSQ		
	PID08	1073	Yes/No Condition or Response Code	0	ID 1/1
			Code indicating a Yes or No condition or response		
			If PID04 then PID08		
			AH CHC: Coordinated Hot Cut		

Segment:	N9 Reference Number
Position:	280
Loop:	N9
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference
	number qualifier
Syntax Notes:	1 At least one of N902 or N903 is required.
	2 If N906 is present, then N905 is required.
Semantic Notes:	1 N906 reflects the time zone that the time reflects.
Comments:	

	D 4	D (Data Elemen	t Summary		
	Ref. Des.	Data Element	Name		Δttı	ributes
Must Use	<u>Des.</u> N901	<u>128</u>	Reference Number Qu	əlifier	M	ID 2/2
Widst Obe	1001	120	Code qualifying the Ref		1.1	
			BellSouth usage:			
			L1 = non-retained			
				or Identification Code		
			C C			amon found
			_	alifies a single number that describe	es an	error lound
				application-level data ters or Notes		
				nder Defined Clause		
	N902	127	Reference Number		Х	AN 1/30
			Reference number or ide	entification number as defined for a	parti	cular
			Transaction Set or as sp	ecified by the Reference Number Qu	ualifi	er.
			If N901 then N902			
			1Q ERROR-CO	DDE		
				r Instructions		
			SH STATUS-C	CODE		
Not Used	N903	369	Free-form Description		X	AN 1/45
			Free-form descriptive te	xt		
Not Used	N904	373	Date		0	DT 6/6
			Date (YYMMDD)			
Not Used	N905	337	Time		Х	TM 4/8
			Time expressed in 24-ho	our clock time as follows: HHMM, o	or HF	IMMSS, or
			HHMMSSD, or HHMM	SSDD, where $H = hours (00-23)$, M	I = m	inutes (00-
				(00-59) and DD = decimal seconds		
			-	: $D = tenths (0-9) and DD = hundred$	edths	(00-99)
Not Used	N906	623	Time Code		0	ID 2/2
				e. In accordance with International		
			-	601, time can be specified by $a + or$		
				lation to Universal Time Coordinat	·	,
				aracter, + and - are substituted by P	and	M in the
			codes that follow			

BellSouth Proprietary Information

Segment:	MSG Message Text		
Position:	290		
Loop:	N9		
Level:	Heading		
Usage:	Optional		
Max Use:	1000		
Purpose:	To provide a free form format that would allow the transmission of text information.		
Syntax Notes:			
Semantic Notes:			
Comments:	1 MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.		
D 4	Data Element Summary		

Must Use	Ref. <u>Des.</u> MSG01	Data <u>Element</u> 933	<u>Name</u> Free-Form Message Text Free-form message text	<u>Attributes</u> M AN 1/264
			If N902thenMSG01ERROR-CODEERROR-MSG: Error MessagORIREMARKS: RemarksSTATUS-CODESTATUS-MSG:Status Mess	- -
Not Used	MSG02	934	Printer Carriage Control Code A field to be used for the control of the line feed of	O ID 2/2 the receiving printer

Segment:	N1 Name
Position:	300
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101

N105 and N106 further define the type of entity in N101.

Ref. Data Des. Element Name Attributes **Entity Identifier Code** ID 2/2 Must Use N101 98 Μ Code identifying an organizational entity, a physical location, or an individual BellSouth valid codes: 78 Service Requester BY Buying Party (Purchaser) DG **Design Engineering** Identifies the design engineer or office of the design engineer who will receive design specifications N102 93 Χ AN 1/35 Name Free-form name If N101 then N102 78 CCNA: Customer Carrier Name Abbreviation DG DSGCON: Design/Engrg. Contact N103 **Identification Code Qualifier** X ID 1/2 66 Code designating the system/method of code structure used for Identification Code (67) BellSouth valid code: 25 Carrier's Customer Code N104 67 **Identification Code** Х AN 2/20 Code identifying a party or other code If N101 & N103 then N104 CC: Company Code BY 25 Not Used N105 706 **Entity Relationship Code** ID 2/2 0 Code describing entity relationship Not Used N106 98 **Entity Identifier Code** 0 ID 2/2 Code identifying an organizational entity, a physical location, or an individual

Segment:	PER Administrative Communications Contact
Position:	350
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to which administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	

Comments:

		-	Data Element Summary		
	Ref.	Data	Nama		
Must Use	<u>Des.</u> PER01	Element	Name Contact Function Code	Att M	<u>ributes</u> ID 2/2
Must Use	PERUI	366	Code identifying the major duty or responsibility of the pe		-
			named	I SOIL O	n group
			BellSouth valid code:		
			AG Agent		
	PER02	93	Name	0	AN 1/35
	I LINUZ	95	Free-form name	U	AN 1/33
			If PER01 then PER02 AG INIT: Initiator Identification		
	PER03	365	AG INIT: Initiator Identification Communication Number Qualifier	X	ID 2/2
	I LINUJ	303	-	Л	117 4/4
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE Telephone		
	PER04	364	Communication Number	Х	AN 1/80
			Complete communications number including country or a	rea co	de when
			applicable		
			If PER01 & PER03 then PER04		N 7
Not Used	PER05	365	AGTEINIT-TEL NO: Initiator TeleCommunication Number Qualifier	phone X	ID 2/2
Not Used	PER05	305	Code identifying the type of communication number	Λ	$\mathbf{D} \mathbf{Z} \mathbf{Z}$
Not Used	PER06	364	Communication Number	x	AN 1/80
LIVE USED	I ERUU	304	Complete communications number including country or a		
			applicable	100 00	
Not Used	PER07	365	Communication Number Qualifier	X	ID 2/2
			Code identifying the type of communication number		-
Not Used	PER08	364	Communication Number	X	AN 1/80
			Complete communications number including country or a	rea co	
			applicable		
Not Used	PER09	443	Contact Inquiry Reference	0	AN 1/20
			Additional reference number or description to clarify a con-	ntact r	number

Segment:	POC Line Item Change
Position:	010
Loop:	POC
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify changes to a line item
Syntax Notes:	1 If POC03 is present, then both POC04 and POC05 is required.
	2 If POC07 is present, then POC06 is required.
	3 If either POC08 or POC09 is present, then the other is required.
	4 If either POC10 or POC11 is present, then the other is required.
	5 If either POC12 or POC13 is present, then the other is required.
	6 If either POC14 or POC15 is present, then the other is required.
	7 If either POC16 or POC17 is present, then the other is required.
	8 If either POC18 or POC19 is present, then the other is required.
	9 If either POC20 or POC21 is present, then the other is required.
	10 If either POC22 or POC23 is present, then the other is required.
	11 If either POC24 or POC25 is present, then the other is required.
	12 If either POC26 or POC27 is present, then the other is required.
Semantic Notes:	1 POC01 is the purchase order line item identification.
Comments:	

	Ref.	Data	Dutu Element Summary		
	Des.	Element	Name	Att	ributes
	POC01	350	Assigned Identification	0	AN 1/11
			Alphanumeric characters assigned for differentiation within	n a tr	ansaction set
			REFNUM		
Must Use	POC02	670	Change or Response Type Code Code specifying the type of change to the line item	Μ	ID 2/2
			BellSouth valid code:		
			RE Replacement Item		
Not Used	POC03	330	Quantity Ordered Quantity ordered	0	R 1/9
Not Used	POC04	671	Quantity Left to Receive Quantity left to receive as qualified by the unit of measure	X	R 1/9
Not Used	POC05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being express which a measurement has been taken	X sed, or	ID 2/2 manner in
Not Used	POC06	212	Unit Price Price per unit of product, service, commodity, etc.	X	R 1/17
Not Used	POC07	639	Basis of Unit Price Code Code identifying the type of unit price for an item	0	ID 2/2
Not Used	POC08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number Product/Service ID (234)	X used	ID 2/2 in
Not Used	POC09	234	Product/Service ID	X	AN 1/40

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			• · · · · · · · · · · · · · · · · · · ·		
			Identifying number for a product or service		
Not Used	POC10	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive nur Product/Service ID (234)	nber used	
Not Used	POC11	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	POC12	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive nur	nber used	in
	DO C12	224	Product/Service ID (234)	\$7	
Not Used	POC13	234	Product/Service ID	Х	AN 1/40
	DOCIA		Identifying number for a product or service		TD 4/4
Not Used	POC14	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive nur Product/Service ID (234)	nber usea	111
Not Used	POC15	234	Product/Service ID	Х	AN 1/40
tor Uscu	10015	234	Identifying number for a product or service	21	
Not Used	POC16	235	Product/Service ID Qualifier	х	ID 2/2
ioi Uscu	10010	233	Code identifying the type/source of the descriptive nur		
			Product/Service ID (234)	noer usea	111
Not Used	POC17	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	POC18	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive nur	nber used	in
			Product/Service ID (234)		
Not Used	POC19	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		
Not Used	POC20	235	Product/Service ID Qualifier	Х	ID 2/2
			Code identifying the type/source of the descriptive nur	nber used	in
			Product/Service ID (234)		
Not Used	POC21	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	POC22	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive nur	nber used	1 n
Not Used	DOC22	234	Product/Service ID (234) Product/Service ID	Х	A NI 1/40
Not Used	POC23	234	Identifying number for a product or service	Λ	AN 1/40
Not Used	POC24	235	Product/Service ID Qualifier	Х	ID 2/2
Not Used	FUC24	235	Code identifying the type/source of the descriptive nur		
			Product/Service ID (234)	noer useu	111
Not Used	POC25	234	Product/Service ID	X	AN 1/40
			Identifying number for a product or service		
Not Used	POC26	235	Product/Service ID Qualifier	X	ID 2/2
			Code identifying the type/source of the descriptive nur		
			Product/Service ID (234)		
Not Used	POC27	234	Product/Service ID	Х	AN 1/40
			Identifying number for a product or service		

с , , , , , , , , , , , , , , , , , , ,			
Segment:	SI Sei	rvice Characteristic Identification	
Position:	018		
Loop:	POC		
Level:	Detail		
Usage:	Optional	l	
Max Use:	5		
Purpose:	To specif	fy service characteristic data	
Syntax Notes:	1 If eit	ther SI04 or SI05 is present, then the other is required.	
	2 If eit	ther SI06 or SI07 is present, then the other is required.	
	3 If eit	ther SI08 or SI09 is present, then the other is required.	
	4 If eit	ther SI10 or SI11 is present, then the other is required.	
	5 If eit	ther SI12 or SI13 is present, then the other is required.	
	6 If eit	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	ther SI20 or SI21 is present, then the other is required.	
Semantic Notes:			
Comments:		l defines the source for each of the service characteristic qualifiers	
Notes:		ough SI21 data segments may be transmitted in pairs as indicated	
		" or "strung out" in one linein any order, on any of the five SI see	-
		as long as the appropriate Service Characteristics Qualifier preceders Service ID value.	des the
	Product/	Service ID value.	
		Data Element Summary	
D - C	Data	Data Element Summary	
Ret	1/2/2		
Ref. Des	Data Element	Name Att	ributes
Des.	<u>Element</u>		tributes ID 2/2
_		Agency Qualifier Code M	tributes ID 2/2
Des.	<u>Element</u>		
Des.	<u>Element</u>	Agency Qualifier CodeMCode identifying the agency assigning the code valuesBellSouth valid code:	
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values M BellSouth valid code: TI TI Telecommunications Industry	ID 2/2
Des.	<u>Element</u>	Agency Qualifier CodeMCode identifying the agency assigning the code valuesBellSouth valid code:TITelecommunications IndustryService Characteristics QualifierM	ID 2/2 ID 2/2
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values M BellSouth valid code: TI TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service characteristics	ID 2/2 ID 2/2 naracteristics
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers matrix	ID 2/2 ID 2/2 maracteristics ay be placed in
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may any occurrence of a Service Characteristics Qualifier (1000-type)	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondition)	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may any occurrence of a Service Characteristics Qualifier (1000-type)	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondition)	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondit Product/Service ID (234-type data element). CM: Customer Circuit Reference	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type) in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element).	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type) in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service cha BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type) in the SI segment when followed by the appropriate correspondid Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
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Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type) in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair OT: Code for Out (Old) Telephone Number	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier CodeMCode identifying the agency assigning the code valuesBellSouth valid code:TITITelecommunications IndustryService Characteristics QualifierMCode from an industry code list qualifying the type of service chBellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type)in the SI segment when followed by the appropriate correspondidProduct/Service ID (234-type data element).CM:Customer Circuit ReferenceCN:Exchange Company Circuit IDIT:Ported NumberK1:System IDK2:Cable IDK3:ShelfK4:SlotK5:Relay RackK6:Chan/PairOT:Code for Out (Old) Telephone NumberPX:Activate Stations Range	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier Code M Code identifying the agency assigning the code values BellSouth valid code: TI Telecommunications Industry Service Characteristics Qualifier M Code from an industry code list qualifying the type of service ch BellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type in the SI segment when followed by the appropriate correspondie Product/Service ID (234-type data element). CM: Customer Circuit Reference CN: Exchange Company Circuit ID IT: Ported Number K1: System ID K2: Cable ID K3: Shelf K4: Slot K5: Relay Rack K6: Chan/Pair OT: Code for Out (Old) Telephone Number PX: Activate Stations Range RI: Route Index	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)
Des. Must Use SI01	Element 559	Agency Qualifier CodeMCode identifying the agency assigning the code valuesBellSouth valid code:TITITelecommunications IndustryService Characteristics QualifierMCode from an industry code list qualifying the type of service chBellSouth valid qualifiers are listed in here. These qualifiers may occurrence of a Service Characteristics Qualifier (1000-type)in the SI segment when followed by the appropriate correspondidProduct/Service ID (234-type data element).CM:Customer Circuit ReferenceCN:Exchange Company Circuit IDIT:Ported NumberK1:System IDK2:Cable IDK3:ShelfK4:SlotK5:Relay RackK6:Chan/PairOT:Code for Out (Old) Telephone NumberPX:Activate Stations Range	ID 2/2 ID 2/2 maracteristics ay be placed in e data element)

Must Use	SI03	234	Product/Service ID Identifying number for a product or service	М	AN 1/40		
			BellSouth valid IDs are listed here. These IDs may be placed in any occurrence of a Product/Service ID (234-type data element) in the SI segment when preceded by the appropriate corresponding Service Characteristics Qualifier (1000-type data element).				
			If SI02 then SI03CMCKR: Customer Circuit ReferenceCNECCKT: Exchange Company Circuit IDITPORTED #: Ported NumberK1SYSTEM ID: System IDK2CABLE ID: Cable IDK3SHELF: ShelfK4SLOT: SlotK5RELAY RACK: Relay RackK6CHAN/PAIR: Chan/PairOTOTN: Out (old) Telephone NumberPXSTATIONS: Activate Stations Range				
			RIRTI: Route IndexT5TER: TerminalTNTN: Telephone Number				
	SI04	1000	Service Characteristics Qualifier	X	ID 2/2		
	GT0 -	224	Code from an industry code list qualifying the type of servi				
	SI05	234	Product/Service ID Identifying number for a product or service	X	AN 1/40		
	SI06	1000	Service Characteristics Qualifier	X	ID 2/2		
	2200	2000	Code from an industry code list qualifying the type of servi				
	SI07	234	Product/Service ID	Х	AN 1/40		
			Identifying number for a product or service				
	SI08	1000	Service Characteristics Qualifier	Х	ID 2/2		
			Code from an industry code list qualifying the type of servi	ce ch			
	SI09	234	Product/Service ID	X	AN 1/40		
	G T 10	1000	Identifying number for a product or service	T 7			
	SI10	1000	Service Characteristics Qualifier	X	ID 2/2		
	SI11	234	Code from an industry code list qualifying the type of servi Product/Service ID Identifying number for a product or service	X	AN 1/40		
	SI12	1000	Service Characteristics Qualifier	X	ID 2/2		
	5112	1000	Code from an industry code list qualifying the type of service				
	SI13	234	Product/Service ID Identifying number for a product or service	X	AN 1/40		
	SI14	1000	Service Characteristics Qualifier	X	ID 2/2		
	5114	1000	Code from an industry code list qualifying the type of service				
	SI15	234	Product/Service ID	X	AN 1/40		
			Identifying number for a product or service				
	SI16	1000	Service Characteristics Qualifier	X	ID 2/2		

		Code from an industry code list qualifying the type of s	service ch	aracteristics
SI17	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI18	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of s	service ch	aracteristics
SI19	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		
SI20	1000	Service Characteristics Qualifier	Х	ID 2/2
		Code from an industry code list qualifying the type of s	service ch	aracteristics
SI21	234	Product/Service ID	Х	AN 1/40
		Identifying number for a product or service		

Segment:	PID Product/Item Description
Position:	050
Loop:	PID
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To describe a product or process in coded or free form format
Syntax Notes:	1 If PID04 is present, then PID03 is required.
	2 At least one of PID04 or PID05 is required.
	3 If PID07 is present, then PID03 is required.
	4 If PID08 is present, then PID03 is required.
Semantic Notes:	1 Use PID03 to indicate the organization that publishes the code lists being referred to.
	2 PID04 should be used for industry-specific product description codes.
	3 PID08 describes the physical characteristics of the product identified in PID04. A ``Y''
	indicates that the specified attribute applies to this item. A ``N" indicates it does not
	apply. Any other value is indeterminate.
Comments:	1 If $PID01 = F''$, then $PID05$ is used. If $PID01 = S''$, then $PID04$ is used. If $PID01 = PID01$
	``X", then both PID04 and PID05 are used.
	2 Use PID06 when necessary to refer to the product surface or layer being described in the
	segment.
	3 DID07 specifies the individual code list of the agency specified in DID02

3 PID07 specifies the individual code list of the agency specified in PID03.

	Ref.	Data			
	Des.	Element	Name	Att	<u>ributes</u>
Must Use	PID01	349	Item Description Type	Μ	ID 1/1
			Code indicating the format of a description		
			BellSouth valid code:		
			X Semi-structured (Code and Text)		
Not Used	PID02	750	Product/Process Characteristic Code	0	ID 2/3
			Code identifying the general class of a product or process	chara	cteristic
	PID03	559	Agency Qualifier Code	X	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
	PID04	751	Product Description Code	Х	AN 1/12
			A code from an industry code list which provides specific	data a	bout a product
			characteristic		
			CFA: Connecting Facility Assignment		
	PID05	352	Description	Х	AN 1/80
			A free-form description to clarify the related data element	s and	their content
			If PID04 then PID05		
			CFA CFA: Connecting Facility Assignment		
Not Used	PID06	752	Surface/Layer/Position Code	0	ID 2/2
			Code indicating the product surface, layer or position that	is bei	ng described
Not Used	PID07	822	Source Subqualifier	0	AN 1/15
			A reference that indicates the table or text maintained by	the So	urce Qualifier
Not Used	PID08	1073	Yes/No Condition or Response Code	0	ID 1/1
			Code indicating a Yes or No condition or response		

Segment:	REF Reference Numbers
Position:	100
Loop:	POC
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying numbers.
Syntax Notes:	1 At least one of REF02 or REF03 is required.
Semantic Notes:	
Comments:	

	Ref.	Data	Dutu	Exement Summary				
	Des.	Element	<u>Name</u>		Att	<u>ributes</u>		
Must Use	REF01	128	Reference Num	nber Qualifier	Μ	ID 2/2		
			Code qualifying	Code qualifying the Reference Number.				
			BellSouth valid	BellSouth valid codes:				
			9F	Referral Number				
			A3	Assignment Number				
	REF02	127	Reference Num	nber	Х	AN 1/30		
			Reference number or identification number as defined for a particular Transaction Set or as specified by the Reference Number Qualifier.					
			If REF01 then REF02					
			9F	INPORD: Interim Number Portability On	der N	lumber		
			A3	L-ORD: Loop Order Number				
	REF03	352	Description		Х	AN 1/80		
			A free-form des	scription to clarify the related data elements	and	their content		

Segment:	CTT Transaction Totals
Position:	010
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit a hash total for a specific element in the transaction set
Syntax Notes:	1 If either CTT03 or CTT04 is present, then the other is required.
	2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

	Ref.	Data			
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>
Must Use	CTT01	354	Number of Line Items	Μ	N0 1/6
			Total number of line items in the transaction set		
Not Used	CTT02	347	Hash Total	0	R 1/10
			Sum of values of the specified data element. All values in t	he da	ta element
			will be summed without regard to decimal points (explicit	or im	plicit) or
			signs. Truncation will occur on the left most digits if the su	ım is	greater than
			the maximum size of the hash total of the data element.		
Not Used	CTT03	81	Weight	Х	R 1/10
			Numeric value of weight		
Not Used	CTT04	355	Unit or Basis for Measurement Code	Х	ID 2/2
			Code specifying the units in which a value is being express	ed, or	r manner in
			which a measurement has been taken		
Not Used	CTT05	183	Volume	Х	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	Unit or Basis for Measurement Code	Х	ID 2/2
			Code specifying the units in which a value is being express	ed, or	r manner in
			which a measurement has been taken		
Not Used	CTT07	352	Description	0	AN 1/80
			A free-form description to clarify the related data elements	and t	heir content

S	Segment:	SE T	ransaction Set Trailer					
]	Position:	030	030					
	Loop:							
	Level:	Summary	V					
	Usage:	Mandato						
Ν	Iax Use:	1						
]	Purpose:		ate the end of the transaction set and provide the count of the g the beginning (ST) and ending (SE) segments).	e trans	smitted segments			
Synta	x Notes:							
Semanti	ic Notes:							
Co	mments:	1 SE is	s the last segment of each transaction set.					
	Ref.	Data	Data Element Summary					
	Des.	Element	Name	-	<u>ributes</u>			
Must Use S	SE01	96	Number of Included Segments	Μ	N0 1/10			
			Total number of segments included in a transaction set incluses	luding	g ST and SE			
Must Use S	SE02	329	Transaction Set Control Number	Μ	AN 4/9			
			Identifying control number that must be unique within the	transa	action set			
			functional group assigned by the originator for a transaction set					
			The value of the data element in ST02 in the Transaction Set Header (ST)					
		must match the value of this same data element in SE02 in Transaction Set Trailer (SE).						

997 Functional Acknowledgment

Functional Group ID= \mathbf{FA}

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

Must Use	Pos. <u>No.</u> 010	Seg. <u>ID</u> ST	<u>Name</u> Transaction Set Header	Req. <u>Des.</u> M	<u>Max.Use</u> 1	Loop <u>Repeat</u>	Notes and <u>Comments</u> n1
Must Use	020	AK1	Functional Group Response Header	М	1		n2
			LOOP ID - AK2			999999	
	030	AK2	Transaction Set Response Header	0	1		n3
			LOOP ID - AK3			999999	
	040	AK3	Data Segment Note	0	1		c1
	050	AK4	Data Element Note	0	99		
Must Use	060	AK5	Transaction Set Response Trailer	М	1		
Must Use	070	AK9	Functional Group Response Trailer	М	1		
Must Use	080	SE	Transaction Set Trailer	М	1		

Transaction Set Notes

1. These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments.

The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code.

There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.

- 2. AK1 is used to respond to the functional group header and to start the acknowledgement for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
- **3.** AK2 is used to start the acknowledgement of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

Transaction Set Comments

1. The data segments of this standard are used to report the results of the syntatical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards for transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (for example, on the ability of the receiver to comply with the request of the sender).

Segment:	ST Transaction Set Header
Position:	010
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) 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:	

			Duta Element Summary		
	Ref.	Data			
	Des.	Element	Name	Att	ributes
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	Μ	ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the functional group assigned by the originator for a transacti		

Segment:	${f AK1}$ Functional Group Response Header
Position:	020
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To start acknowledgment of a functional group
Syntax Notes:	
Semantic Notes:	1 AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
	2 AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.
Comments:	

	Ref.	Data	·		
	Des.	<u>Element</u>	<u>Name</u>	Att	<u>ributes</u>
Must Use	AK101	479	Functional Identifier Code	Μ	ID 2/2
			Code identifying a group of application related transaction	sets	
Must Use	AK102	28	Group Control Number	Μ	NO 1/9
			Assigned number originated and maintained by the sender		

Segment:	AK2 Transaction Set Response Header
Position:	030
Loop:	AK2
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To start acknowledgment of a single transaction set
Syntax Notes:	
Semantic Notes:	1 AK201 is the transaction set ID found in the ST segment (ST01) in the transaction set being acknowledged.
	2 AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.
Comments:	

Must Use	Ref. <u>Des.</u> AK201	Data <u>Element</u> 143	Name Transaction Set Identifier Code Code uniquely identifying a Transaction Set	<u>Att</u> M	<u>ributes</u> ID 3/3
Must Use	AK202	329	Transaction Set Control Number Identifying control number that must be unique within the functional group assigned by the originator for a transaction		

Segment:	AK3 Data Segment Note
Position:	040
Loop:	AK3
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To report errors in a data segment and identify the location of the data segment
Syntax Notes:	
Semantic Notes:	
Comments:	

	Ref.	Data			
	Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Must Use	AK301	721	Segment ID Code	Μ	ID 2/3
			Code defining the segment ID of the data segment in error	(See	Appendix A -
			Number 77)		
Must Use	AK302	719	Segment Position in Transaction Set	Μ	N0 1/6
			The numerical count position of this data segment from the	e start	t of the
			transaction set: the transaction set header is count position	1	
	AK303	447	Loop Identifier Code	0	AN 1/4
			The loop ID number given on the transaction set diagram i	s the	value for this
			data element in segments LS and LE		
	AK304	720	Segment Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing of	a seg	ment

Segment:	AK4 Data Element Note
Position:	050
Loop:	AK3
Level:	
Usage:	Optional
Max Use:	99
Purpose:	To report errors in a data element and identify the location of the data element
Syntax Notes:	
Semantic Notes:	
Comments:	

	D C		Data Element Summary		
	Ref.	Data			
	Des.	<u>Element</u>	Name	Att	<u>ributes</u>
Must Use	AK401	C030	Position in Segment	Μ	
			Code indicating the relative position of a simple data eleme	nt, o	r the relative
			position of a composite data structure combined with the re		
			the component data element within the composite data stru		-
			count starts with 1 for the simple data element or composite		
			immediately following the segment ID		
Must Use	C03001	722	Element Position in Segment	Μ	N0 1/2
			This is used to indicate the relative position of a simple dat	a elei	ment, or the
			relative position of a composite data structure with the relative		
			component within the composite data structure, in error; in	-	
			the count starts with 1 for the simple data element or comp		-
			immediately following the segment ID	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	C03002	1528	Component Data Element Position in Composite	0	N0 1/2
			To identify the component data element position within the	com	posite that is
			in error		r
	AK402	725	Data Element Reference Number	0	N0 1/4
			Reference number used to locate the data element in the Da	ta El	ement
			Dictionary		
Must Use	AK403	723	Data Element Syntax Error Code	Μ	ID 1/3
			Code indicating the error found after syntax edits of a data	elem	ent
	AK404	724	Copy of Bad Data Element	0	AN 1/99
	1111107	/ 47		U	
			This is a copy of the data element in error		

Segment:	${f AK5}$ Transaction Set Response Trailer
Position:	060
Loop:	AK2
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To acknowledge acceptance or rejection and report errors in a transaction set
Syntax Notes:	
Semantic Notes:	
Comments:	

	Ref.	Data			
	Des.	Element	Name	<u>Attı</u>	ributes
Must Use	AK501	717	Transaction Set Acknowledgment Code M	M	ID 1/1
			Code indicating accept or reject condition based on the syntax transaction set	x ed	liting of the
	AK502	718	Transaction Set Syntax Error Code (0	ID 1/3
			Code indicating error found based on the syntax editing of a t	tran	saction set
	AK503	718	Transaction Set Syntax Error Code (0	ID 1/3
			Code indicating error found based on the syntax editing of a t	tran	saction set
	AK504	718	Transaction Set Syntax Error Code (O	ID 1/3
			Code indicating error found based on the syntax editing of a t	tran	saction set
	AK505	718	Transaction Set Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing of a t	tran	saction set
	AK506	718	Transaction Set Syntax Error Code C	O	ID 1/3
			Code indicating error found based on the syntax editing of a t	tran	saction set

Segment:	AK9 Functional Group Response Trailer
Position:	070
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group
Syntax Notes:	
Semantic Notes:	
Comments:	1 If AK901 is 'A' or 'E', then the transmitted functional group is accepted. If AK901 is 'R',

then the transmitted group is rejected.

	Ref.	Data	Duta Element Summary		
	Des.	Element	Name	Att	ributes
Must Use	AK901	715	Functional Group Acknowledge Code	Μ	ID 1/1
			Code indicating accept or reject condition based on the sy functional group	ntax eo	diting of the
Must Use	AK902	97	Number of Transaction Sets Included	Μ	N0 1/6
			Total number of transaction sets included in the functional interchange (transmission) group terminated by the trailer data element	0	
Must Use	AK903	123	Number of Received Transaction Sets Number of Transaction Sets received	Μ	N0 1/6
Must Use	AK904	2	Number of Accepted Transaction Sets Number of accepted Transaction Sets in a Functional Gro	M up	N0 1/6
	AK905	716	Functional Group Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing o group header and/or trailer	f the fi	unctional
	AK906	716	Functional Group Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing o group header and/or trailer	f the fi	unctional
	AK907	716	Functional Group Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing o group header and/or trailer	f the fi	unctional
	AK908	716	Functional Group Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing o group header and/or trailer	f the fi	unctional
	AK909	716	Functional Group Syntax Error Code	0	ID 1/3
			Code indicating error found based on the syntax editing or group header and/or trailer	f the fi	unctional

Segment:	SE т	ransaction Set Trailer		
Position:	080			
Loop:				
Level:				
Usage:	Mandato	ry		
Max Use:	1			
Purpose:	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).			smitted segments
Syntax Notes: Semantic Notes:				
Comments:	1 SE i	s the last segment of each transaction set.		
		Data Element Summary		
Ref.	Data			
Des.	Element	<u>Name</u>	Att	<u>ributes</u>
Must Use SE01	96	Number of Included Segments	Μ	N0 1/10
		Total number of segments included in a transaction set in segments	cluding	g ST and SE
Must Use SE02	329	Transaction Set Control Number	Μ	AN 4/9
		Identifying control number that must be unique within the transaction set		

functional group assigned by the originator for a transaction set

TCIF Service Order Feature Codes

The following TCIF Service Order Feature Codes are acceptable for transmitting through EDI:

FEATURE	TRANSLATED	SOFC DESCRIPTION
	USOC	
3WC	ESC	Three Way Calling
ACR001	NSS	Call Return
ACR003	NSQ	Repeat Dialing
CFW002	GCE	Call Forwarding Busy Line
CFW004	GJP	Customer Control Call Forward Busy Line
CFW021	GCJ	Call Forwarding Don't Answer
CFW024	GJC	Customer Control Call Forward No Answer
CFW035	GCZ	Remote Access Call Forwarding Variable
CFW038	ESM	Call Forwarding Variable
CID005	NXM	Caller ID Deluxe
CID006	NXMCR	Caller ID Deluxe with anonymous Call
		Rejection
CID010	NSD	Basic Caller ID
CID011	NOB	Calling Number Delivery Block
CPU001	ELY2N	Prestige - Call Pickup
CSC002	NSK	Call Selector
CSC003	NCE	Preferred Call Forwarding
CSC004	NSY	Call Block
CWG004	ESX	Call Waiting
DRG001	DRS1X	RingMaster Service II - 1st Number
DRG002	DRS2X	RingMaster Service II - 2nd Number
DRG004	DRS	RingMaster Service I
HTY001	HTG	Series Completion Circular
		(Regular/Preferential)
HTY002	HTG	Series Completion
HTY004	HML	Multi-Line Grouping
HTY008	HTGNR	Last Number Not Rotary
MWG003	MWW	Message Waiting Indicator
SCG008	ESF	Speed Calling 30 Code
SCG012	ESTPA	Prestige Speed Call 6 Code
SCG014	ESL	Speed Calling 8 Code

The Service Order Feature Codes that support hunting are illustrated in the following table. In order to understand the ordering of hunting, the table illustrates the SOFC that would be ordered through EDI. The following table also indicates the Feature Detail that should be sent with the SOFC when ordering select types of hunting.

HUNT TYPE	SOFC	USOC (translated from SOFC)	FEATURE DETAIL
-----------	------	--------------------------------------	----------------

Series Completion:			
Regular	HTY002	HTG	
Regular	HTY008	HTGNR	
(last number not rotary)			
Preferential	HTY002	HTG	

Series Completion Circular:			
Regular	HTY001	HTG	
Preferential	HTY001	HTG	

Multi-Line Grouping			
Regular	HTY004	HML	/TER XX
Regular	HTY008	HTGNR	/TER XX
(last number not rotary)			

Multi-Line Grouping Circular	HTY004	HML	CIR/TER XX

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BELLSOUTH®

EDI Testing Guidelines For Competitive Local Exchange Carriers

Prepared by:

BellSouth Telecommunications, Inc. EDI Central Group 1876 Data Drive Birmingham, AL 35244

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About This Manual

Audience

The *BellSouth EDI Testing Guidelines* document is intended for Competitive Local Exchange Carriers who order local exchange products and services from BellSouth Telecommunications, Inc. via Electronic Data Interchange.

How To Use This Guide

Because this book is designed as a reference tool, sectons may be read in any order.

To learn about	Read	Starting on page	
BellSouth testing in general terms	Chapter 1	2	
Connectivity Testing	Chapter 2	3	
Syntax Testing	Chapter 3	5	
End-to-End Testing	Chapter 4	7	
Test Cases	Chapter 5	10	

Acronyms

The following acronyms are used throughout this document:

ANSI	American National Standards Institute
ASC	Accredited Standards Commitee
BST	BellSouth Telecommunications, Inc.
CLEC	Competitive Local Exchange Carrier
EDI	Electronic Data Interchange
LEO	Local Exchange Ordering (system)
TCIF	Telecommunications Industry Forum
VAN	Value Added Network

Related Documentation

BellSouth Local Exchange Ordering (LEO) Implementation Guide

Technical Assistance

Appendix B lists BellSouth EDI testing and technical contacts.

Chapter One -- EDI Testing Guidelines Overview

This introductory chapter provides an overview of the BellSouth EDI tsting guidelines.

Introduction

This document describes testing guidelines to be used by CLECs when testing systems for ordering local exchange products and services from BST via EDI.

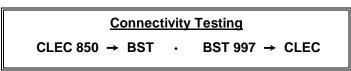
Purpose

The testing process described in this document is designed to value BST-CLEC EDI local exchange ordering procedures. The testing achieves the following goals:

- Verification of connectivity between BST and CLEC
- Compliance with the ANSI ASC X12 EDI standards
- CLEC compliance with BST usage requirements presented in the *BellSouth* Local Exchange Ordering (LEO) Implementation Guide
- Proof of CLEC's ability to send local exchange order requests to BST
- Proof of BST's ability to electronically acknowledge CLEC order requests
- Proof of BST's ability to translate and process CLEC orders
- Proof of CLEC's ability to respond electronically to BST's firm order confirmations and completions.

Chapter Two -- Connectivity Testing

The Connectivity Testing chapter describes procedures for performing Connectivity Testing with BST, including entrance and exit criteria.



Definition

Connectivity Testing verific that CLECs and BST can send and receive documents using EDI. Connectivity Testing must be conducted for all new CLECs and for CLECs who change their connectivity pathway or EDI identifiers as recorded on the BST Local Exchange Ordering EDI Profile Sheet(see Appendix A).

BellSouth supports three methods of connectivity for EDI. Each of these methods is described in more detail in the *BellSouth Local Exchange Ordering Implementation Guide*.

- 1. VAN to VAN (Value Added Network)
- 2. INDIAL-dial-in bi-synchronous modem connectivity (sometimes referred to as point-to-point)
- 3. CONNECT:Direct[™] direct connectivity.

Entrance Criteria

Several steps must be completed before the Connectivity Testing process can bein. These prerequisites, also referred to as entrance criteria, are as follows:

- The CLEC must be legally certified to provide local phone services in the state where they are doing business.
- The CLEC must have a signed Interconnection Agreement with BSTof Local Exchange Ordering.
- The CLEC must have reviewed and agreed to the conditions described in the *BellSouth Local Exchange Ordering (LEO) Implementation Guide.*
- The CLEC must have an established billing account with BellSouth.
- The CLEC must have provided the information required on the BST Local Exchange Ordering EDI Profile Sheet; the CONNECT:Direct Connectivity for EDI, if applicable; and the EDI Testing Agreement included as Appendix A to this document.

• For those CLECs using the Harbinger Trusted Link^M PC package, formal certification from Harbinger on using their core software is required, including proof of connectivity between the CLEC's PC and the Harbinger VAN.

Procedures

During Connectivity Testing, BellSouth and the CLEC perform distinct tasks, as summarized below:

- 1. CLEC completes the BellSouth Telecommunications Local Exchange Ordering EDI Profile Sheet.
 - If using CONNECT:DirectTM connectivity option, CLEC also completes the CONNECT:DirectTM Connectivity for EDI form.
- 2. CLEC completes the BellSouth Telecommunications Local Exchange Ordering EDI Testing Agreement.
- 3. CLEC and BST must mutually accept the conditions set forth in the *BellSouth Local Exchange Ordering (LEO) Implementation Guide.*
- 4. CLEC performs necessary steps to establish communications pathway on CLEC end.
- 5. BST performs necessary steps to establish communications pathway on BST end.
- 6. BST and CLEC agree on the Connectivity Testing start date and approximate time.
- 7. CLEC sends mutually acceptable connectivity test (850 Purchase Order transaction set) to BST.
- 8. CLEC receives mutually acceptable connectivity test (997 Functional Acknowledgment tansaction set) from BST.

Exit Criteria

These steps must be completed as proof of successful Connectivity Testing:

- CLEC sends an approved test case Purchase Order transaction set (850) to BST-and BST receives it.
- BST verbally acknowledges receipt of the test case from the CLEC.
- BST translates the test case, responds with a Functional Acknowledgment (997) to CLEC, and CLEC receives it.
- CLEC verbally acknowledges receipt of the Functional Acknowledgment (997) from BST.
- BST and CLEC agree that Connectivity Testing has successfully completed so that Syntax Testing can begin.

Chapter Three -- Syntax Testing

The Syntax Testing chapter describes the requirements for performing EDI Syntax Testing with BST, including entrance and exitriteria.

Syntax Testing					
CLEC 850 \rightarrow BST BST 855 \rightarrow CLEC	•	BST 997 → CLEC CLEC 997 → BST			

Definition

Syntax Testing verifies adherence to predetermined structures. Syntax Testing must be conducted for all new CLECs ordering local exchange prodcts or services and for those existing CLECs who make system modifications to enhance their ordering capabilities. Syntax Testing is also required when changes are made to EDI systems to accommodate industry standards (TCIF or ANSI). Compliance with the structures described below are necessary for successful Syntax Testing with BellSouth Telecommunications.

- Compliance with ANSI ASC X12 EDI standards
- Compliance with TCIF industry standards
- Acceptance of BST ordering guidelines as described in th*BellSouth Local Exchange Ordering (LEO) Implementation Guide.*

Entrance Criteria

Connectivity Testing, as described in Chapter Two, must have been successfully completed for new CLECs before Syntax Testing begins.

Procedures

BellSouth Telecommunications uses test ases to ensure EDI transaction sets comply with the ANSI ASC X12 EDI standards and TCIF industry standards as well as BST's usage requirements. BST will inform the CLEC as to which test cases are to be used for Syntax Testing. *Note*: Example Test cases are presented in Chapter Five–Test Cases.

The list below outlines the steps required to receive and process syntax test cases from CLECs:

- 1. BST and CLEC agree on the Syntax Testing start date and approximate time.
- 2. CLEC sends identified test case Purchase Order transaction set (850) to BST.
- 3. BST translates test case and returns a Functional Acknowledgment (997) indicating receipt of the order. This 997 also contains the acknowledgment code

either accepting or rejecting the test cae syntax, along with information about the EDI segment and the element in error.

< Steps 2 and 3 must be repeated until CLEC sends a syntactically correct document resulting in an accepted 997 being returned by BST. >

- 4. BST sends the identified test case Rurchase Order Acknowledgment transaction set (855) to CLEC.
- 5. CLEC translates the test case and responds with a Functional Acknowledgment transaction set (997) indicating syntax acceptance or rejection.

< Steps 4 and 5 must be repeated until CLEC is able to respond with an accepted Functional Acknowledgment. >

Note: Refer to the BST Local Exchange Ordering EDI Testing Agreement in Appendix A for details on hours of operation and other testing requirements.

Exit Criteria

These steps must be completed as proc of successful Syntax Testing:

- BST must send CLEC an accepted Functional Acknowledgment (997) for each syntactically correct document (850) received by BST.
- CLEC must send BST a Functional Acknowledgment (997) for each document (855) received by CLEC.
- BST and CLEC agree that Syntax Testing has successfully completed so that End-to-End Testing can begin.

Chapter Four -- End-to-End Testing

This chapter describes the requirements for performing Endo-End Testing with BST, including entrance and exit critera.

End-to-End Testing				
CLEC 850 → BST	•	BST 997 → CLEC		
BST 855 → CLEC	•	CLEC 997 → BST		
CLEC 860 → BST	•	BST 997 → CLEC		
BST 865 (FOC) → CLEC	•	CLEC 997 → BST		
BST 865 (CN) → CLEC	•	CLEC 997 → BST		

Definition

End-to-End Testing verifies that data content provided by the CLEC is meaningful to the LEO system at BST. This testing also verifies that the data content will remain valid throughout the full order cycle, as identified by the business transactions listed below.

End-to-End Testing must be conducted for all new CLECs ordering local exchange products or services and for those existing CLECs who make system modifications to enhance their ordering capabilities. Endo-End Testing is also required when changes are made to EDI systems to accommodate industry standards (TCIF or ANSI).

End-to-End Testing Business Transactions

- Local Exchange Order (850 transaction set) from CLEC
- Firm Order Confirmation (855 transaction set) from BS
- Purchase Order Change Request (860 transaction set) from CLEC
- Acknowledgment of Change Request (865 transaction set) from BST
- Acknowledgment of Completion Notice (865 transaction set) from BST

Entrance Criteria

Syntax Testing, as described in Chapter Thee, must be successfully completed before End-to-End Testing begins.

Procedures

The following list details the Endto-End Testing procedures:

1. BST and CLEC agree on the date and approximate time for sending the first test End-to-End Local Exchange Order.

- 2. The CLEC sends test Local Exchange Orders (850 transaction set).
- 3. BST translates test case and responds with a Functional Acknowledgment transaction set (997) indicating syntax acceptance or rejection.

< Steps 2 and 3 must be repeated until CLEC sends an error-free document resulting in an accepted 997 being returned by BST. >

- 4. BST sends a test Firm Order Confirmation Notice (855 Purchase Order Acknowledgment transaction set) from the Local Exchange Ordering system.
- 5. The CLEC sends a Functional Acknowledgmat (997) to BST indicating receipt of the 855.

< Steps 4 and 5 must be repeated until CLEC is able to respond with an accepted Functional Acknowledgment. >

Note: If this is the last transaction in this order cycle, skip to Step 10.

- 6. The CLEC sends a test Purchase Order Change Request transaction set (860) to BST.
- 7. The BST returns a Functional Acknowledgment (997), indicating syntax acceptance.

< Steps 6 and 7 must be repeated until CLEC sends an errorfree document resulting in an accepted 997 being eturned by BST. >

- 8. BST sends a test Firm Order Confirmation Notice (865 Purchase Order Change Acknowledgment Request transaction set).
- 9. CLEC sends a 997 Functional Acknowledgment, indicating receipt of the 865 Firm Order Confirmation Notice.

< Step 9 must be repeated until CLEC is able to respond with an accepted Functional Acknowledgment. >

- 10. BST sends a test Completion Notice (865 Purchase Order Change Acknowledgment Request transaction set).
- 11. CLEC sends a Functional Acknowledgment (997), indicating rec**pi** of the 865 Completion Notice.

< Step 11 must be repeated until CLEC is able to respond with an accepted Functional Acknowledgment. >

Exit Criteria

BST notifies CLEC that End-to-End Testing has concluded successfully and agrees on a date to move to production.

Chapter Five -- Test Cases

BST uses test cases to verify that CLECs can place local exchange orders and send acknowledgments for these products and services via EDI.

BellSouth's LCSC staff will provide the actual test case data to CLECs prior to testing.

Appendix A–CLEC/BST EDI Agreements

Appendix A contains forms to be completed by the CLEC and BST prior to commencing Local Exchange Ordering EDI testing.

- EDI Profile Sheets
 - CLEC Information
 - BellSouth Information
- CONNECT:DirectTM Connectivity for EDI
- EDI Testing Agreement.

BellSouth Telecommunications Local Exchange Ordering

INITIAL
REVISION
TE

EDI PROFILE SHEET CLEC INFORMATION

CLEC Name:	Division:
Mailing Address: City:	State: Zip:
Business Contact:	Phone:
Email Address:	Fax:
EDI Mapping Contact:	Phone:
Email Address:	Fax:
EDI Communications Contact:	Phone:
Email Address:	Fax:
Testing Contact:	Phone:
Email Address:	Fax:
CONNECTIVITY SELECTION (SELECT ONE)	
ð VAN VAN Choice:	
ð Point-to-Point	
$\mathbf{\delta}$ CONNECT:Direct ^{TM 1}	
EDI IDENTIFIERS FOR TESTING AND PRODUCTION	
TESTING Interchange Qualifier/ID ² :/	Group ID ³ :
PRODUCTION Interchange Qualifier/ID ² :/	Group ID ³ :
ELEMENT DELIMITER to be used: SEGM	ENT TERMINATOR to be used:
WILL THESE IDS BE USED FOR LNP ORDERS VIA EDI? & YES &	NO

<u>Note</u>: Initial setup or any changes to your connectivity selection, Interchange Qualifier/ID, or Group ID requires advance notice (via use of this EDI Profile Sheet) to BellSouth of at least 20 business days.

Fax this form to BellSouth to the attention of Tom Hill at 205/403-2672.

 $^{^{1} \} The \ attached \ \underline{CONNECT:} \ \underline{Direct^{TM}} \ \ \underline{Connectivity} \ for \ \underline{EDI} \ form \ must \ be \ completed.$

² Must be unique. Interchange Qualifier is 2 characters in length/ID is up to 15 characters (up to 17 total). These identifiers may be different for Testing versus Production.

³ Must be unique. Group ID is up to 15 characters in length and may be the same as Interchange ID. The Group IDs for Testing and Production cannot be the same; they must be different.

When assigning unique ID numbers, BellSouth suggests using Dun & Bradstreet number.

Company Billing Information

Billing Name	Bill Acct. #1
--------------	---------------

OSS Interface Information (Option 2 – Contract State Specific Rate)						
	State(s)) CLEC is Act	tive			OSS Billing
$\mathbf{\delta}$ GA (SOMGA)	$\mathbf{\check{O}}_{\mathrm{AL}}$	ð ky	ð tn	ð sc	(Monthly S	System Charges)
δ NC (SOMNC)	ðмs	ð la	ð fl		ð cris	ð cabs

BellSouth Telecommunications Local Exchange Ordering

Õ INITIAL Õ REVISION DATE _____

EDI PROFILE SHEET BELLSOUTH INFORMATION

Business Contact:			Phone:		
Mailing Address:		_City:		State:	Zip:
Email Address:			Fax:		
EDI Mapping Contact:			Phone:		
Email Address:			Fax:		
EDI Communications Con	tact:		Phone:		
Email Address:			Fax:		
EDI Testing Contact:			Phone:		
Email Address:			_Fax:		
CONNECTIVITY TYPE					
ð van-to-van	BellSouth VAN Choice	:			
ð Point-to-Point	User ID/Password				
δ CONNECT:Direct TM	Node Name/				
	User ID/Password				
EDI IDENTIFIERS FOR TE	STING AND PRODUCTION				
TESTING Interchange Quali	fier/ID ¹ :/		Group ID ²	2:	
PRODUCTION Interchange	Qualifier/ID ² :/		Group ID ³	8	
ELEMENT DELIMITER to be	used:	SEGMEN	IT TERMINAT	OR to be use	ed:

¹ Must be unique. Interchange Qualifier is 2 characters in length/ID is up to 15 characters (up to 17 total). These identifiers may be different for Testing versus Production.

 $^{^{2}}$ Must be unique. Group ID is up to 15 characters in length and may be the same as Interchage ID. The Group IDs for Testing and Production cannot be the same; they must be different.

When assigning unique ID numbers, BellSouth suggests using Dun & Bradstreet number.

BellSouth Telecommunications

CONNECT: DIRECT™ CONNECTIVITY FOR EDI

To be completed by prospective BellSouth Customer licensed by Sterling Commerce, Inc. to use CONNECT:Direct $\hat{\mathbf{0}}$

CONTACT INFORMATION			DATE			
Company:						
			City:			
Communi	cations Contact:		Phone:			
Eı	nail Address			_Fax:		
At BellSouth, we currently have working solutions with CONNECT:Direct trading partners who use the following platforms:						
<u>SNA</u>	IBM MVS IBM AS/400	DEC VAX IBM VSE	MS-DOS-Based PC IBM RS/6000	SUN U	JNIX (in tes	st)
<u>TCP/IP</u>	IBM MVS HP UNIX	Tandem Windows NT	IBM RS/6000 (in test) SUN UNIX (in test))		
CLEC CONNECT: DIRECTÄ INFORMATION						

Platform:	
(example: MS-DOS-based PC)	
CONNECT:Direct™ Release Level:	
(example: MVS 1.8)	
Protocol Desired:	
(examples: SDLC LUO, LU6.2, TCP/IP)	
Transmission speed requested:	
(examples: 9.6 KB, 19.2 KB, 56 KB, 256 KB)	
When is your expected circuit installation due date?	
Optional	
Number of bytes you expect to send in one transmission:	How often?

... To proceed, coordinate development of communications path with your BellSouth Account Team representative...



BellSouth Telecommunications Local Exchange Ordering

EDI TESTING AGREEMENT

CONDITIONS/EXPECTATIONS

- EDI Central hours of operation will be 8 a.m. to 5 p.m. Central Time, Monday through Friday, excluding BellSouth holidays.
- BellSouth must be notified that test cases are being sent 24 hours prior to their receipt.
- Under normal conditions, inbound test files will be translated upon receipt.
- Under normal conditions, outbound files are sent hourly during regular EDI Central business hours.
- Functional acknowledgments in response to all (except 997s) incoming documents bearing valid Testing Interchange Qualifier/IDs and Group IDs will normally be sent within 4 hours of translation.
- In response to all documents sent by BellSouth (except 997s), BdSouth requires functional acknowledgments (997s) be returned by CLECs within 24 hours.
- BellSouth requires 48 hours notice prior to a CLEC's conversion from Test to Production.
- BellSouth requires written notice of at least 20 business days in advance of itial setup or for any changes to a CLEC's connectivity selection or Interchange and/or Group IDs.
- Turnaround time between BellSouth's receipt of an inbound (850/860) document and BellSouth's return of the corresponding outbound (855/865) document is contingent upon the ordering systems associated with the local service request. If specific turnaround time is desired, the CLEC should discuss this with your BellSouth account team.

PRODUCTS AND SERVICES TO BE TESTED

ð	Service with One Feature	TBD	Verified by BST:
ð	POTS (Plain Old Telephone Service)	TBD	Verified by BST:
ð	ISDN	TBD	Verified by BST:
ð	Synchronet	TBD	Verified by BST:
ð	Port	TBD	Verified by BST:
ð	Interim Number Portability	TBD	Verified by BST:
ð	Loop	TBD	Verified by BST:
ð	Loop with Interim Number Portability	TBD	Verified by BST:

Appendix B–Contacts

Appendix B lists BellSouth testing and technical contacts.

Contact Type	<u>Name</u>	Phone Number	<u>Fax</u>
CLEC's BellSouth Account Representative	<enter name=""></enter>	<enter number=""></enter>	<enter number=""></enter>
EDI Technical Rep during Testing	Tom D. Hill	(205) 988-6537	(205) 403-2672