EXHIBIT OSS – 20

Local Exchange Ordering (LEO) Guide, Vol. 4

LEO-IG Volume 4
Issue 7F

BellSouth Telecommunications
EDI Central

EDI Documentation for
Issue 7

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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: *UC Code for Basic Class of Service (BCS)*
	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 2nd 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 (860 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

Standards, 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 telecommunications 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
- Telephone Bill Work Group
- Procurement
- 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 Series™ products are used by BellSouth's EDI group to manage EDI translations. Each trading partner is responsible 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 Commerce™ PC package. The TrustedLink Commerce™ 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, **Communications**, 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:Direct™–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   <u>Value Added Network Service</u>

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 VAN of choice; most VANs can accommodate various methods of connectivity to their services.

2.3   <u>CONNECT:Direct™ (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:Direct™ trading partners using the following platforms:

SNA

| 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 |
| Windows NT | 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 to place 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 BellSouth 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 data 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 segment 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 (provided 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 two-digit century code designation would be sent as the DTM05 element. This line of data could be sent in an EDI document as follows:

DTM03 and
DTM04 are blank ↓↓

DTM*007*971205***19~

DTM01 ↑   DTM02 ↑   DTM05 ↑

An element delimiter isolates each piece of information, and a segment terminator ends each segment. These delimiters and separators 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 sending information that uses the SI data segment for transmission. As in the earlier example that

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

These transmitted EDI lines of code are translated as follows:

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

Example 1 (stacked)
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

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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 is 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 and 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

Functional Group ID=PO

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:

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

Not Used	270	MAN	Marks and Numbers	O	10	
Not Used	280	CTB	Restrictions/ Conditions	O	5	
	285	TXI	Tax Information	O	>1	
			LOOP ID - AMT			>1
Not Used	287	AMT	Monetary Amount	O	1	
Not Used	288	AT	Financial Accounting	O	1	
Not Used	289	REF	Reference Numbers	O	>1	
			LOOP ID - N9			1000
	290	N9	Reference Number	O	1	
	300	MSG	Message Text	O	1000	
			LOOP ID - N1			200
	310	N1	Name	O	1	
	320	N2	Additional Name Information	O	2	
	330	N3	Address Information	O	2	
	340	N4	Geographic Location	O	>1	
	345	NX2	Real Estate Property ID Component	O	3	
	350	REF	Reference Numbers	O	12	
	360	PER	Administrative Communications Contact	O	>1	
Not Used	370	FOB	F.O.B. Related Instructions	O	1	
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	400	TD3	Carrier Details (Equipment)	O	12	
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	420	PKG	Marking, Packaging, Loading	O	200	
			LOOP ID - LM			>1
Not Used	430	LM	Code Source Information	O	1	
Not Used	440	LQ	Industry Code	M	>1	
			LOOP ID - SPI			>1
Not Used	450	SPI	Specification Identifier	O	1	
Not Used	460	REF	Reference Numbers	O	5	
Not Used	470	DTM	Date/Time Reference	O	5	
Not Used	480	MSG	Message Text	O	50	
			LOOP ID - N1			20
Not Used	490	N1	Name	O	1	
Not Used	500	N2	Additional Name Information	O	2	
Not Used	510	N3	Address Information	O	2	
Not Used	520	N4	Geographic Location	O	1	
Not Used	530	REF	Reference Numbers	O	20	
Not Used	540	G61	Contact	O	1	
Not Used	550	MSG	Message Text	O	50	
			LOOP ID - CB1			>1
Not Used	560	CB1	Contract and Cost Accounting Standards Data	O	1	
Not Used	570	REF	Reference Numbers	O	20	

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	580	DTM	Date/Time Reference	O	5		
Not Used	590	LDT	Lead Time	O	1		
Not Used	600	MSG	Message Text	O	50		

Detail:

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

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			LOOP ID - SCH			200	
Not Used	295	SCH	Line Item Schedule	O	1		n3
Not Used	296	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	297	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	298	TD3	Carrier Details (Equipment)	O	12		
Not Used	299	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
			LOOP ID - PKG			200	
Not Used	300	PKG	Marking, Packaging, Loading	O	1		
Not Used	310	MEA	Measurements	O	>1		
Not Used	320	LS	Loop Header	O	1		
			LOOP ID - LDT			>1	
Not Used	321	LDT	Lead Time	O	1		
Not Used	322	QTY	Quantity	O	>1		
Not Used	323	MSG	Message Text	O	1		
Not Used	324	REF	Reference Numbers	O	3		
			LOOP ID - LM			>1	
Not Used	325	LM	Code Source Information	O	1		
Not Used	326	LQ	Industry Code	M	>1		
Not Used	327	LE	Loop Trailer	O	1		
			LOOP ID - N9			1000	
Not Used	330	N9	Reference Number	O	1		
Not Used	335	MEA	Measurements	O	40		
Not Used	340	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	350	N1	Name	O	1		
Not Used	360	N2	Additional Name Information	O	2		
Not Used	370	N3	Address Information	O	2		
Not Used	380	N4	Geographic Location	O	1		
Not Used	385	NX2	Real Estate Property ID Component	O	3		
Not Used	390	REF	Reference Numbers	O	12		
Not Used	400	PER	Administrative Communications Contact	O	3		
Not Used	410	FOB	F.O.B. Related Instructions	O	1		
Not Used	415	SCH	Line Item Schedule	O	200		
Not Used	420	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	430	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	440	TD3	Carrier Details (Equipment)	O	12		
Not Used	450	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	460	PKG	Marking, Packaging, Loading	O	200		
			LOOP ID - LDT			>1	
Not Used	462	LDT	Lead Time	O	1		
Not Used	464	MAN	Marks and Numbers	O	10		
Not Used	466	QTY	Quantity	O	5		
Not Used	468	MSG	Message Text	O	1		

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

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n4
Not Used	020	AMT	Monetary Amount	O	1		n5
Must Use	030	SE	Transaction Set Trailer	M	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. Des.	Data 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 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).	

Segment:	**BEG** Beginning Segment for Purchase Order	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates	
Syntax Notes:		
Semantic Notes:	1 BEG05 is the date assigned by the purchaser to purchase order.	
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		

> This represents the second character, from the valid entry list shown in the BST usage rules for REQTYP (elsewhere in this guide). (00 = OBF code of B)
> TRAN-SET-PURPOSE-CODE
> BellSouth valid EDI code:
>   00   Original

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		

> TRAN-PO-TYPE-CODE
> BellSouth valid code:
>   SS   Supply or Service Order

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BEG03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		

> PON: Purchase Order Number

	Ref. Des.	Data Element	Name	Attributes	
Not Used	BEG04	328	**Release Number**	O	AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
Must Use	BEG05	373	**Date**	M	DT 6/6
			Date (YYMMDD)		
Not Used	BEG06	367	**Contract Number**	O	AN 1/30
			Contract number		
	BEG07	587	**Acknowledgment Type**	O	ID 2/2
			Code specifying the type of acknowledgment		

> RTR: Response Type Requested
> BellSouth valid EDI code:
> AT = Accepted   (equivalent OBF code is C)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	BEG08	1019	**Invoice Type Code**	O	ID 3/3
			Code defining the method by which invoices are to be processed		
Not Used	BEG09	1166	**Contract Type Code**	O	ID 2/2
			Code identifying a contract type		
Not Used	BEG10	1232	**Purchase Category**	O	ID 2/2
			Code identifying the broad category of products or services being acquired		
Not Used	BEG11	786	**Security Level Code**	O	ID 2/2
			Code indicating the level of confidentiality assigned by the sender to the information following		

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

Data Element Summary

	Ref. Des.	Data Element	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 telecommunications 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 addition to a primary order number
AE	Authorization for Expense (AFE) Number
CO	Customer Order Number
GP	Government Priority Number
JB	Job (Project) Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill
SY	Social Security Number

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Number**	X AN 1/30

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

If REF01	then	REF02	
12		BAN1 or BAN2: Billing Acct. Number 1 or 2	
1V		RORD: Related Order Number	
AE		SAN: Subscriber Authorization Number	
CO		RPON: Related Purchase Order Number	
GP		TSP: Telecommunications Service Priority	
JB		PROJECT: Project Identification	
OW		ORD: Order Number	
SY		FB-SSN: Final Bill Contact Social Security No. *	

If REF01	& REF03	then	REF02	
11	AN		AN: Account Number	
11	ATN		ATN: Account Telephone No.	

*Not currently being used by BellSouth

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REF03   **352**   **Description**   **X**   **AN 1/80**

A free-form 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

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Segment:	**SAC** Service, Promotion, Allowance, or Charge Information
Position:	120
Loop:	SAC
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
Semantic Notes:	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
Comments:	1	SAC04 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.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
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**
			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**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		
			EEH: Engineering Charge (equivalent OBF name is AENG)		
			EXP: Expedited Service		
			OAC: Overtime Loading (Additional Labor) (equivalent OBF name is ALBR)		
			VT: Variable Term Agreement		
Not Used	SAC05	610	**Amount**	**O**	**N2 1/15**
			Monetary amount		
Not Used	SAC06	378	**Allowance/ Charge Percent Qualifier**	**X**	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	SAC07	332	**Percent**	**X**	**R 1/6**
			Percent expressed as a percent		
Not Used	SAC08	118	**Rate**	**O**	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	SAC10	380	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
Not Used	SAC11	380	**Quantity**	**O**	**R 1/15**
			Numeric value of quantity		
Not Used	SAC12	331	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	127	**Reference Number**	**X**	**AN 1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
Not Used	SAC14	770	**Option Number**	**O**	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered		
	SAC15	352	**Description**	**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			VTA: Variable Term Pricing Description (use if SAC04=VT)		

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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. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3

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

BellSouth valid codes:

007	Effective
097	Transaction Creation
150	Service Period Start
151	Service Period End
201	Acceptance
270	Date Filed
992	Date Requested

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	**Date**	X	DT 6/6

Date (YYMMDD)

If DTM01 then 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 Authoriz. Date
270	DATED: Agency Authorization Date

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM03	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM04	623	**Time Code**	O	ID 2/2

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

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DTM05	**624**	**Century**		**O**	**N0 2/2**

The first two characters in the designation of the year (CCYY)

If DTM01 then DTM05
007	EBD-CC: Effective Bill Date Century Code	
097	D/SENT-CC: Date Sent Century Code	
150	DDD-CC: Desired Due Date Century Code	
151	DDDO-CC: Desired Due Date Out Century Code	
201	LSP AUTH DATE-CC: LSP Authoriz. Date Century Code	
270	DATED-CC: Agency Authoriz. Date Century Code	

DTM06	**1250**	**Date Time Period Format Qualifier**	**X**	**ID 2/3**

Code indicating the date format, time format, or date and time format

BellSouth valid codes:

RTM   Range of Time Expressed in Format HHMM-HHMM

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

TM   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, a time, or range of dates, times or dates and times

If DTM01 then DTM07
   992   DFDT: Desired Frame Due Time (Range or Time)

When DTM06
    RTM   Range (HHMM-HHMM)   or
    TM   Time (HHMM)

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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 characteristics qualifiers.
Notes:	BellSouth usage:	

BellSouth usage:
SI02 through SI21 data segments may be transmitted in pairs as indicated below--
"stacked" or "strung out" in one line--in 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

	Ref. Des.	Data Element	Name		Attributes
Must Use	SI01	559	**Agency Qualifier Code**	**M**	**ID 2/2**
			Code identifying the agency assigning the code values		

BellSouth valid code:

    TI   Telecommunications Industry

	Ref. Des.	Data Element	Name		Attributes
Must Use	SI02	1000	**Service Characteristics Qualifier**	**M**	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		

BellSouth valid qualifiers are listed here. These qualifiers may be placed in
any occurrence of a Service Characteristics Qualifier (EDI data element 1000)
in the SI segment when followed by the appropriate corresponding
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 Local Servicing Office
NC: Code for Network Channel Code
NI: Code for Network Channel Interface Code
NJ: Code for Secondary Network Channel Interface Code
RE: Code for Requistion Type
SS: Code for Service Sub-Category
TP: Code for Telecommunications Provider Office
TY: Code for Type of Service
UC: Code for Basic Class of Service

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Must Use   **SI03**   **234**   **Product/Service ID**   **M**   **AN 1/40**

Identifying number for a product or service

BellSouth valid IDs are listed here. These IDs may be placed in any occurrence of a Product/Service ID (EDI data element 234) in the SI segment when preceded by the appropriate corresponding Service Characteristics Qualifer (EDI data element 1000).

If SI02   then   SI03

AA	ACT: Account Activity Type
BN	LOCBAN: Local Billing Account Number
FB	FBI: Final Bill Type Indicator
IW	IWO: Inside Wire Option
IX	IWBAN: Inside Wire Billing Account Number
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 Interface Code
RE	REQTYP: Requistion Type *
SS	SPEC: 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 character of your selection from the valid entry list shown in the BST usage rules for REQTYP (elsewhere in this guide).

SI04   **1000**   **Service Characteristics Qualifier**   **X**   **ID 2/2**

Code from an industry code list qualifying the type of service characteristics

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 service characteristics

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 characteristics

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 service characteristics

SI11   **234**   **Product/Service ID**   **X**   **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 characteristics

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 service characteristics		
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 service characteristics		
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 type of service characteristics		
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 characteristics		
SI21	234	**Product/Service ID**	X	AN 1/40
		Identifying number for a product or service		

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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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PID01	349	**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 characteristic	O	ID 2/3
	PID03	559	**Agency Qualifier Code** Code identifying the agency assigning the code values	X	ID 2/2
			BellSouth valid code:		
			TI Telecommunications Industry		
	PID04	751	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic	X	AN 1/12
			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** A free-form description to clarify the related data elements and their content	X	AN 1/80
			If PID04 then PID05 YPH YPH: Code for Yellow Page Heading		
Not Used	PID06	752	**Surface/Layer/Position Code** Code indicating the product surface, layer or position that is being described	O	ID 2/2

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PID07	**822**	**Source Subqualifier**	**O**	**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**	**O**	**ID 1/1**

Code indicating a Yes or No condition or response

If PID04 & PID07 then PID08
AH	SO-RSQ	CHC: Coordinated Hot Cut
AN	SO-RSQ	SCA: Special Construction
AO	SO-RSQ	AGAUTH: Agency Authorization
AF	SO-RSQ	EUMI: End User Moving (equivalent OBF code is 01)

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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. Des.	Data Element	Name		Attributes
Must Use	PWK01	755	**Report Type Code**	M	ID 2/2
			Code indicating the title or contents of a document, report or supporting item		
			BellSouth valid codes:		
			DI Directory		
			Reports that provide information about a subject, name, product, etc		
Not Used	PWK02	756	**Report Transmission Code**	O	ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent		
	PWK03	757	**Report Copies Needed**	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
			If PWK07 then PWK03		
			WP WPQTY: Number of White Pages Books Ordered		
			YP YPQTY: Number of Yellow Pages Books Ordered		
Not Used	PWK04	98	**Entity Identifier Code**	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
Not Used	PWK05	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	**Identification Code**	X	AN 2/20
			Code identifying a party or other code		
	PWK07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
			WP: Code for White Pages Books		
			YP: Code for Yellow Pages Books		
Not Used	PWK08	C002	**Actions Indicated**	O	
			Actions to be performed on the piece of paperwork identified		
Not Used	C00201	704	**Paperwork/Report Action Code**	M	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		
Not Used	C00202	704	**Paperwork/Report Action Code**	O	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		

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Not Used **C00203**   **704**   **Paperwork/Report Action Code**   **O   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

Not Used **C00204**   **704**   **Paperwork/Report Action Code**   **O   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

Not Used **C00205**   **704**   **Paperwork/Report Action Code**   **O   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

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Segment:	**TXI** Tax Information	
Position:	285	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	TXI01	963	**Tax Type Code**	M	ID 2/2
			Code specifying the type of tax		

BellSouth valid code:

TX	All Taxes	
	Total of all applicable taxes	

	Ref. Des.	Data Element	Name	Attributes	
Not Used	TXI02	782	**Monetary Amount**	X	R 1/15
			Monetary amount		
Not Used	TXI03	954	**Percent**	X	R 1/10
			Percentage expressed as a decimal		
Not Used	TXI04	955	**Tax Jurisdiction Code Qualifier**	X	ID 2/2
			Code identifying the source of the data used in tax jurisdiction code		
Not Used	TXI05	956	**Tax Jurisdiction Code**	X	AN 1/10
			Code identifying the taxing jurisdiction		
	TXI06	441	**Tax Exempt Code**	X	ID 1/1
			Code identifying exemption status from sales and use tax		

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	
	Indicates that telecommunications services provided within the serving area are exempt from specific taxes	

	Ref. Des.	Data Element	Name	Attributes	
Not Used	TXI07	662	**Relationship Code**	O	ID 1/1
			Code indicating the relationship between entities		
Not Used	TXI08	828	**Dollar Basis For Percent**	O	R 1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax		
Not Used	TXI09	325	**Tax Identification Number**	O	AN 1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number		

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Not Used   TXI10   350   Assigned Identification   O   AN 1/11
Alphanumeric characters assigned for differentiation within a transaction set

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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. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Number Qualifier**	**M**	**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**	**X**	**AN 1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
			ORI Order Instructions (used when N901 = H7 or L1)		
			ACC Access Instructions (used when N901 = L1)		
Not Used	N903	369	**Free-form Description**	**X**	**AN 1/45**
			Free-form descriptive text		
Not Used	N904	373	**Date**	**O**	**DT 6/6**
			Date (YYMMDD)		
Not Used	N905	337	**Time**	**X**	**TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	N906	623	**Time Code**	**O**	**ID 2/2**
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		

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Segment:	**MSG** Message Text
Position:	300
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

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	**Free-Form Message Text** Free-form message text	M AN 1/264

If N901 &	N902 then	MSG01
L1 or H7	ORI	REMARKS: Remarks
L1	ACC	ACC: Access Information

	Ref. Des.	Data Element	Name	Attributes
Not Used	MSG02	934	**Printer Carriage Control Code** A field to be used for the control of the line feed of the receiving printer	O ID 2/2

Segment:	**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:	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. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

BellSouth 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 name

If N101	then	N102
78		CCNA: Customer Carrier Name Abbrev.
AN		AUTHNM: Authorization Name
BT		BILLNM: Bill and Ship To Name
DA		DDA-NAME: Directory Delivery To Name
DG		DSGCON: Design/Engrg. Contact
IT		EU-NAME: End-User Name
SE		LSP AUTHNAME: Local Svc. Provider Authoriz. Name
X1		FB-BILLNM: Final Bill To Name
&	N103	
BY	25	CUST: Customer Name

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	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

BellSouth valid codes:		
	25	Carrier's Customer Code
	41	Telecommunications Carrier Identification Code
		Identifies the Interexchange carrier for the charges being billed
	92	Assigned by Buyer or Buyer's Agent
	SI	Standard Industry Code (SIC)

	N104	**67**	**Identification Code**	**X**	**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 Authorization
BT	92	ACNA: Access Customer Name Abbreviation
78	41	CIC: Carrier Identification Code

Not Used	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

Not Used	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

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Segment:	**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:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N201	93	Name	M	AN 1/35
			Free-form name		
			If N101 then N201		
			BT SBILLNM: Secondary Bill Name		
			DA DDA-NAME2: Continuation of Delivery Name		
			X1 FB-SBILLNM: Final Bill Secondary Bill Name		
Not Used	N202	93	Name	O	AN 1/35
			Free-form name		

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Segment:	**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:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N301	166	**Address Information**	M	AN 1/35
			Address information		

If N101	then	N301
78		INIT-STREET: Initiator Street Address
BT		BILLNM-STREET: Bill Name Street Address
DA		DDA-ADDRESS 1: Directory Delivery Address 1
DG		DSGCON-STREET: Design/Engr. Contact Street Address
IT		EU-STREET 1: End User Street Address
X1		FB-STREET: Final Bill Street Address

	Ref. Des.	Data Element	Name		Attributes
	N302	166	**Address Information**	O	AN 1/35
			Address information		

If N101 then N302	
DA	DDA-ADDRESS 2: Continuation of Directory Delivery Address
IT	EU-STREET 2: 2nd Line End User Street Address

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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. Des.	Data Element	Name	Attributes	
N401	**19**	**City Name**	**O**	**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
X1	FB-CITY: Final Bill City

Ref. Des.	Data Element	Name	Attributes	
N402	**156**	**State or Province Code**	**O**	**ID 2/2**
		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: End User State
X1	FB-STATE: Final Bill State

Ref. Des.	Data Element	Name	Attributes	
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	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

	Ref. Des.	Data Element	Name	Attributes	
Not Used	**N404**	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
Not Used	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Code identifying type of location		
Not Used	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**
			Code which identifies a specific location		

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Segment:	**NX2** **Real Estate Property ID Component**
Position:	345
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

	Ref. Des.	Data Element	Name	Attributes	
Must Use	NX201	1106	**Address Component Qualifier**	M	ID 2/2

Code qualifying the type of address component

BellSouth valid codes:

12	Building Name
32	Floor
	A particular floor or level of a building
35	Room
	A walled room or partitioned area of a building
90	Access Customer Terminal Location
91	Additional Point of Termination
92	Local Service Termination

	Ref. Des.	Data Element	Name	Attributes	
Must Use	NX202	166	**Address Information**	M	AN 1/35

Address information

If
N101 & NX201 then NX202

78	90	ACTL: Access Customer Terminal Location
	91	APOT: Additional Point of Termination
	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 Room
DG	32	DSGCON-FLOOR: Design/Engrg. Floor
	35	DSGCON-ROOM/MAIL STOP: Design/Engrg.Room/MS
IT	12	EU-BLDG: End User Building
	32	EU-FLOOR: End User Floor
	35	EU-ROOM: End User Room
X1	32	FB-FLOOR: Final Billing Name Floor
	35	FB-ROOM: Final Billing Name Room

	Ref. Des.	Data Element	Name	Attributes	
Not Used	NX203	1096	**County Designator**	O	ID 5/5

Code identifying the county within a state

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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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Number Qualifier**	**M ID 2/2**

Code qualifying the Reference Number.

BellSouth valid code:

    11   Account Number

              Number identifies a telecommunications industry account

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

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

If N101 & REF01 & REF03 then REF02

    IT   11   EAN   EAN: Existing Account Number
    IT   11   EATN   EATN: Existing Account Telephone No.

	REF03	**352**	**Description**	**X AN 1/80**

A free-form description to clarify the related data elements and their content

If REF01 then REF03

    11   EAN or EATN

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Segment:	**PER** Administrative Communications Contact
Position:	360
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	**1** If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	BellSouth usage:
	PER03 through PER08 data segments may be transmitted in pairs as indicated below--"stacked" or "strung out" in one line--in any order, as long as the appropriate Communication Number Qualifier precedes the Communication Number value.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	**M ID 2/2**

Code identifying the major duty or responsibility of the person or group named

BellSouth valid codes:

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	Customer Contact Granting Appointment	
CN	General Contact	
DE	Design Engineer	

	Ref. Des.	Data Element	Name	Attributes
	PER02	93	**Name**	**O AN 1/35**

Free-form name

If N101 & PER01 then PER02

78	AG	INIT: Initiator
78	CN	IMPCON: Implementation Contact
78	AL	ALTIMPCON: Alternate Implem. Contact
BT	BI	BILLCON: Billing Contact
IT	CA	LCON: Local Contact
IT	CN	IWCON: Inside Wire Contact
XI	BI	FBCON: Final Bill Contact

PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

BellSouth valid qualifiers are listed here. These qualifiers may be placed in any occurrence of a Communication Number Qualifier (EDI data element 365) in the PER segment when followed by the appropriate corresponding Communication Number (EDI data element 364).

BN	Beeper Number
EM	Electronic Mail
FX	Facsimile
TE	Telephone

PER04	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

BellSouth valid communications numbers are listed here. These numbers may be placed in any occurrence of a Communication Number (EDI data element 364) in the PER segment when preceded by the appropriate corresponding Communication Number Qualifier (EDI data element 365).

If

N101	PER01	PER03	then PER04
78	AG	TE	INIT-TEL NO: Initiator Telephone
78	CN	TE	IMPCON-TEL NO: Implem. Contact Telephone
78	AL	TE	ALTIMPCON-TEL NO: Alternate Imp. Contact Tele.
BT	BI	TE	BILLCON-TEL NO: Billing Contact Telephone
DG	DE	TE	DSGCON-TEL NO: Design/Engrg. Contact Tele.
IT	CA	TE	LCON-TEL NO: Local Contact Telephone
IT	CN	TE	IWCON-TEL NO: Inside Wire Contact Telephone
X1	BI	TE	FBCON-TEL NO: Final Bill Contact Telephone
78	CN	BN	IMPCON-PAGER: Impl. Contact Pager No.
78	AL	BN	ALTIMPCON-PAGER: Alt. Impl. Contact Pager No.
DG	DE	EM	DSGCON-EMAIL: Design/Engrg. Email Address
78	AG	FX	INIT-FAX NO: Initiator Fax No.
DG	DE	FX	DSGCON-FAX NO: Design/Engrg. Fax No.

PER05	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

PER06	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

PER07	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

PER08	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

PER09	443	**Contact Inquiry Reference**	**O**	**AN 1/20**

Additional reference number or description to clarify a contact number

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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.
	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.
	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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	PO101	350	**Assigned Identification**	**O**	**AN 1/11**
			Alphanumeric characters assigned for differentiation within a transaction set		
			REFNUM		
	PO102	330	**Quantity Ordered**	**X**	**R 1/9**
			Quantity ordered		
	PO103	355	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	**PO104**	212	**Unit Price**	**X**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
Not Used	**PO105**	639	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
	PO106	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BellSouth valid code:		
			TY Telecommunications Industry Service Code		
	PO107	234	**Product/Service ID**	**X**	**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**	X	**ID 2/2**
		Code identifying the type/source of the descriptive number used 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 in Product/Service ID (234)		
PO111	234	**Product/Service ID**	X	**AN 1/40**
		Identifying number for a product or service		
PO112	235	**Product/Service ID Qualifier**	X	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
PO113	234	**Product/Service ID**	X	**AN 1/40**
		Identifying number for a product or service		
PO114	235	**Product/Service ID Qualifier**	X	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
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 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 in Product/Service ID (234)		
PO119	234	**Product/Service ID**	X	**AN 1/40**
		Identifying number for a product or service		
PO120	235	**Product/Service ID Qualifier**	X	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
PO121	234	**Product/Service ID**	X	**AN 1/40**
		Identifying number for a product or service		
PO122	235	**Product/Service ID Qualifier**	X	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
PO123	234	**Product/Service ID**	X	**AN 1/40**
		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 used in Product/Service ID (234)		
PO125	234	**Product/Service ID**	X	**AN 1/40**
		Identifying number for a product or service		

Segment:	**SI** Service Characteristic Identification	
Position:	018	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
Max Use:	5	
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:	

BellSouth usage:
SI02 through SI21 data segments may be transmitted in pairs as indicated below--
"stacked" or "strung out" in one line--in any order, on any of the five SI segments
allotted, as long as the appropriate Service Characteristics Qualifier precedes the
Product/Service ID value.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SI01	559	**Agency Qualifier Code**	M ID 2/2
			Code identifying the agency assigning the code values	

BellSouth valid code:

TI	Telecommunications Industry

	Ref. Des.	Data Element	Name	Attributes
Must Use	SI02	1000	**Service Characteristics Qualifier**	M ID 2/2
			Code from an industry code list qualifying the type of service characteristics	

BellSouth valid qualifiers are listed here. These qualifiers may be placed in
any occurrence of a Service Characteristics Qualifier (EDI data element 1000)
in the SI segment when followed by the appropriate corresponding
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
K4:   Slot
K5:   Relay Rack
K6:   Chan/Pair
LM: Local Routing Number (LNP)

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NM: Code for Number of Stations Requested for DID Feature
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**	**M**	**AN 1/40**

Identifying number for a product or service

BellSouth valid IDs are listed here. These IDs may be placed in any
occurrence of a Product/Service ID (EDI data element 234) in the SI segment
when preceded by the appropriate corresponding Service Characteristics
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 outpulsed)
- 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
- LM   LRN: Local Routing No. (LNP)
- NM   NUM ST: Number of Stations Requested for DID Feature
- NN   ACTST: Number of Stations to be Activated
- 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 Secondary No.
- TB   TBE: Toll Billing/Blocking Exception
- TC   TCTO-PRIMARY: Transfer Announcement Number
- TH   INPTG: Interim Number Portability Trunk Group
- TN   TN: Telephone Number
- TS   SGNL: Type of Signaling

	SI04	1000	**Service Characteristics Qualifier**	**X**	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

	SI05	234	**Product/Service ID**	**X**	**AN 1/40**

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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 characteristics

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 characteristics

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 service characteristics

SI11	**234**	**Product/Service ID**	**X**	**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 characteristics

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 service characteristics

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 service characteristics

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 type of service characteristics

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 characteristics

SI21	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

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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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	PO301	371	**Change Reason Code** Code specifying the reason for price or quantity change	M	ID 2/2
			BellSouth valid code:		
			QO Quantity Ordered		
Not Used	PO302	373	**Date** Date (YYMMDD)	O	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.	O	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	M	R 1/15
			TNP: Total Number of Paths		
Must Use	PO307	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M	ID 2/2
Not Used	PO308	352	**Description** A free-form description to clarify the related data elements and their content	O	AN 1/80

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 = ``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. Des.	Data Element	Name		Attributes
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 characteristic		
	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**
			A code from an industry code list which provides specific data about a product characteristic		
			BC: Code for Ten-Digit Trigger (LNP)		
			CFA: Code for Connecting Facility Assignment		
	PID05	**352**	**Description**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			If PID04 then PID05		
			CFA CFA: Connecting Facility Assignment		
Not Used	**PID06**	**752**	**Surface/Layer/Position Code**	**O**	**ID 2/2**
			Code indicating the product surface, layer or position that is being described		

Not Used	**PID07**	**822**	**Source Subqualifier**	**O**	**AN 1/15**

A reference that indicates the table or text maintained by the Source Qualifier

PID08	**1073**	**Yes/No Condition or Response Code**	**O**	**ID 1/1**

Code indicating a Yes or No condition or response

If PID04 then PID08
  BC   TDT: Ten Digit Trigger (LNP)

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Segment:	**DTM** Date/Time Reference	
Position:	210	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	**1**	At least one of DTM02 DTM03 or DTM06 is required.
	2	If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	Date/Time Qualifier	M	ID 3/3

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

BellSouth valid 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	

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	Date	X	DT 6/6

Date (YYMMDD)

If DTM01 then DTM02
   376   TC PER-DATE: Transfer Calls to Period Date
   244   DIRDATE: Directory Listing Date

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM03	337	Time	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM04	623	Time Code	O	ID 2/2

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

	Ref. Des.	Data Element	Name	Attributes	
	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 Code

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM06	1250	Date Time Period Format Qualifier	X	ID 2/3

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name	Attributes	
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

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Segment:	**N1** Name	
Position:	350	
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

BellSouth valid codes:

8B	Primary Residence
8C	Second Home
8V	Primary Intra-LATA (Local Access Transport Area) Carrier
P9	Primary Interexchange Carrier (PIC)
	Identifies the carrier who will handle the interexchange calls

N102	93	**Name**	**X**	**AN 1/35**

Free-form name

If N101 then N102
8B	TC NAME-PRIMARY: Primary Name to Transfer Calls To
8C	TC NAME-SECONDARY: Second Name to Transfer Calls To
8V	(not used in N102)
P9	(not used in N102)

N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

BellSouth valid code:
41	Telecommunications Carrier Identification Code
	Identifies the Interexchange carrier for the charges being billed

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 CIC Code
8V	41	LPIC: Local Primary Interexchange Carrier Code

Not Used	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

Not Used	N106	98	**Entity Identifier Code**	**O**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

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.
	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.

Data Element Summary

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

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Not Used	SLN06	212	**Unit Price**	X	**R 1/17**
			Price per unit of product, service, commodity, etc.		
Not Used	SLN07	639	**Basis of Unit Price Code**	O	**ID 2/2**
			Code identifying the type of unit price for an item		
Not Used	SLN08	662	**Relationship Code**	O	**ID 1/1**
			Code indicating the relationship between entities		
Not Used	SLN09	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN10	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN11	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN12	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN13	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN14	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN15	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN16	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN17	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN18	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN19	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN20	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN21	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN22	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN23	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN24	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SLN25	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN26	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		

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

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

SI05   **234**   **Product/Service ID**   **X**   **AN 1/30**

Identifying number for a product or service

If SI04 then SI05
   SF   FEATURE: Features found in TCIF List
   SC   FEATURE: Features found in BellSouth List

SI06   **1000**   **Service Characteristics Qualifier**   **X**   **ID 2/2**

FD: Code for Additional Feature Detail
99: Code for continuation of Feature Detail
SG: Code for Service Group

Code from an industry code list qualifying the type of service characteristics

SI07   **234**   **Product/Service ID**   **X**   **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 service characteristics

SI09   **234**   **Product/Service ID**   **X**   **AN 1/30**

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 service characteristics

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 characteristics

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 characteristics

SI15   **234**   **Product/Service ID**   **X**   **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 characteristics

SI17   **234**   **Product/Service ID**   **X**   **AN 1/30**

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 characteristics

SI19   **234**   **Product/Service ID**   **X**   **AN 1/30**

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 characteristics

SI21   **234**   **Product/Service ID**   **X**   **AN 1/30**

Identifying number for a product or service

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Segment:	**PID** Product/Item Description
Position:	490
Loop:	SLN
Level:	Detail
Usage:	Optional
Max Use:	1000
Purpose:	To describe a product or process in coded or free-form format

Syntax Notes:
1. If PID04 is present, then PID03 is required.
2. At least one of PID04 or PID05 is required.
3. If PID07 is present, then PID03 is required.
4. If PID08 is present, then PID03 is required.

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

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

Notes: BellSouth usage: This PID segment is reserved for future use.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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 characteristic		
	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
			A code from an industry code list which provides specific data about a product characteristic		
			YPH: Code for Yellow Page Heading		
	PID05	352	**Description**	X	AN 1/80
			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 being described		
Not Used	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
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:	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. Des.	Data Element	Name	Attributes	
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		
			BellSouth valid codes:		
			EN End User		
			IT Installation on Site		
	N102	93	**Name**	**X**	**AN 1/35**
			Free-form name		
			If N101 then N102		
			EN LN: First Line Listing Name		
			IT EU-NAME: Service Name *		
			*not currently being used by BellSouth		
	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			BellSouth valid code:		
			93 Code assigned by the organization originating the transaction set		
			SI Standard Industry Code (SIC)		
	N104	67	**Identification Code**	**X**	**AN 2/20**
			Code identifying a party or other code		
			If N101 & N103 then N104		
			EN 93 LIST: Type of Listing (Codes Provided by BellSouth)		
			IT SI SICCODE: Standard Industry Code *		
			*not currently being used by BellSouth		
Not Used	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**
			Code describing entity relationship		
Not Used	N106	98	**Entity Identifier Code**	**O**	**ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		

	Segment:	**N2** Additional Name Information
	Position:	540
	Loop:	N1
	Level:	Detail
	Usage:	Optional
	Max Use:	6
	Purpose:	To specify additional names or those longer than 35 characters in length
	Syntax Notes:	
	Semantic Notes:	
	Comments:	
	Notes:	BellSouth usage rules: This segment can occur up to 6 times to accommodate the Listing Name information

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N201	93	Name	M	AN 1/35
			Free-form name		
			If N101 then N201		
			EN LISTED NAME OVERFLOW: Additional Listing Name Info		
	N202	93	Name	O	AN 1/35
			Free-form name		
			If N101 then N202		
			EN LISTED NAME OVERFLOW: Additional Listing Name Info		

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	Segment:	**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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N301	166	**Address Information**	M	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

	Ref. Des.	Data Element	Name	Attributes	
	N302	166	**Address Information**	O	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

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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.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
	N401	19	**City Name**	O 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**	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	
			If N101 then N402 IT EU-STATE: State of Service * *not currently being used by BellSouth	
	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 IT EU-ZIP CODE: Zip Code of Service * *not currently being used by BellSouth	
Not Used	N404	26	**Country Code**	O ID 2/3
			Code identifying the country	
Not Used	N405	309	**Location Qualifier**	X ID 1/2
			Code identifying type of location	
Not Used	N406	310	**Location Identifier**	O AN 1/30
			Code which identifies a specific location	

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:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	NX201	1106	**Address Component Qualifier**	M	ID 2/2

Code qualifying the type of address component

BellSouth valid codes:

12	Building Name	
32	Floor	
	A particular floor or level of a building	
35	Room	
	A walled room or partitioned area of a building	

	Ref. Des.	Data Element	Name	Attributes	
Must Use	NX202	166	**Address Information**	M	AN 1/35

Address information

If N101 & NX201 then NX202
IT	12	EU-BLDG: Building Location of Service *
IT	32	EU-FLOOR: Floor Location of Service *
IT	35	EU-ROOM: Room Location of Service *

*not currently being used by BellSouth

	Ref. Des.	Data Element	Name	Attributes	
Not Used	NX203	1096	**County Designator**	O	ID 5/5

Code identifying the 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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
			Total Number of PO1 Segments		
Not Used	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.		
Not Used	CTT03	81	**Weight**	X	R 1/10
			Numeric value of weight		
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT05	183	**Volume**	X	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

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Segment:	**SE** Transaction 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 segments (including the beginning (ST) and ending (SE) segments).	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** SE is the last segment of each transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	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 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 is 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 and 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:

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

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	560	REF	Reference Numbers	O	20		
Not Used	570	DTM	Date/Time Reference	O	5		
Not Used	580	LDT	Lead Time	O	1		
Not Used	590	MSG	Message Text	O	50		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - POC			>1	
	010	POC	Line Item Change	O	1		
	018	SI	Service Characteristic Identification	O	5		
Not Used	020	CUR	Currency	O	1		
Not Used	025	CN1	Contract Information	O	1		
	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	>1		
Not Used	041	PAM	Period Amount	O	10		
Not Used	049	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
Not Used	060	MEA	Measurements	O	10		
Not Used	070	PWK	Paperwork	O	25		
Not Used	080	PKG	Marking, Packaging, Loading	O	200		
Not Used	090	PO4	Item Physical Details	O	>1		
Not Used	100	REF	Reference Numbers	O	>1		
Not Used	110	PER	Administrative Communications Contact	O	3		
			LOOP ID - SAC			25	
Not Used	130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	135	CUR	Currency	O	1		
Not Used	140	IT8	Conditions of Sale	O	1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	165	INC	Installment Information	O	1		
Not Used	170	TAX	Tax Reference	O	>1		
Not Used	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	500		
	200	DTM	Date/Time Reference	O	10		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	270	MAN	Marks and Numbers	O	10		
Not Used	285	TC2	Commodity	O	2		
Not Used	290	TXI	Tax Information	O	>1		
Not Used	291	SPI	Specification Identifier	O	>1		

Not Used	292	MSG	Message Text	O	>1	
			LOOP ID - SCH			200
Not Used	295	SCH	Line Item Schedule	O	1	
Not Used	300	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	305	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	310	TD3	Carrier Details (Equipment)	O	12	
Not Used	315	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
			LOOP ID - N9			1000
Not Used	320	N9	Reference Number	O	1	
Not Used	330	MSG	Message Text	O	1000	
Not Used	331	LS	Loop Header	O	1	
			LOOP ID - LDT			>1
Not Used	332	LDT	Lead Time	O	1	
Not Used	333	QTY	Quantity	O	>1	
Not Used	334	MSG	Message Text	O	1	
Not Used	335	REF	Reference Numbers	O	3	
			LOOP ID - LM			>1
Not Used	336	LM	Code Source Information	O	1	
Not Used	337	LQ	Industry Code	M	>1	
Not Used	338	LE	Loop Trailer	O	1	
			LOOP ID - N1			200
	340	N1	Name	O	1	
Not Used	350	N2	Additional Name Information	O	2	
Not Used	360	N3	Address Information	O	2	
Not Used	370	N4	Geographic Location	O	1	
Not Used	375	NX2	Real Estate Property ID Component	O	3	
Not Used	380	REF	Reference Numbers	O	12	
Not Used	390	PER	Administrative Communications Contact	O	3	
Not Used	400	FOB	F.O.B. Related Instructions	O	1	
Not Used	405	SCH	Line Item Schedule	O	200	
Not Used	410	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	430	TD3	Carrier Details (Equipment)	O	12	
Not Used	440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	450	PKG	Marking, Packaging, Loading	O	200	
			LOOP ID - LDT			>1
Not Used	451	LDT	Lead Time	O	1	
Not Used	452	MAN	Marks and Numbers	O	10	
Not Used	453	QTY	Quantity	O	5	
Not Used	454	MSG	Message Text	O	1	
Not Used	455	REF	Reference Numbers	O	3	
			LOOP ID - SLN			1000
	460	SLN	Subline Item Detail	O	1	

	470	SI	Service Characteristic Identification	O	20		
	480	PID	Product/Item Description	O	1000		
Not Used	490	PO3	Additional Item Detail	O	104		
Not Used	495	TC2	Commodity	O	2		
			LOOP ID - SAC			10	
Not Used	500	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
Not Used	505	CUR	Currency	O	1		
Not Used	510	DTM	Date/Time Reference	O	10		
Not Used	512	CTP	Pricing Information	O	25		
Not Used	513	PAM	Period Amount	O	10		
Not Used	514	PO4	Item Physical Details	O	1		
Not Used	517	TAX	Tax Reference	O	3		
			LOOP ID - N1			10	
	520	N1	Name	O	1		
	530	N2	Additional Name Information	O	>1		
	540	N3	Address Information	O	2		
	550	N4	Geographic Location	O	1		
	560	NX2	Real Estate Property ID Component	O	3		
Not Used	570	REF	Reference Numbers	O	12		
Not Used	580	PER	Administrative Communications Contact	O	3		
			LOOP ID - AMT			>1	
Not Used	590	AMT	Monetary Amount	O	1		
Not Used	600	REF	Reference Numbers	O	1		
			LOOP ID - LM			>1	
Not Used	610	LM	Code Source Information	O	1		
Not Used	620	LQ	Industry Code	M	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n2
Not Used	020	AMT	Monetary Amount	O	5		n3
Must Use	030	SE	Transaction Set Trailer	M	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 Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ST01	143	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
		860	X12.15 Purchase Order Change Request - Buyer Initiated		
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 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 Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	BCH01	353	**Transaction Set Purpose Code**	**M**	**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**	**M**	**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**	**M**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON: Purchase Order Number		
Not Used	BCH04	328	**Release Number**	**O**	**AN 1/30**
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
	BCH05	327	**Change Order Sequence Number**	**O**	**AN 1/8**
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set		
			VER: Version Identification		
Must Use	BCH06	373	**Date**	**M**	**DT 6/6**
			Date (YYMMDD)		
Not Used	BCH07	326	**Request Reference Number**	**O**	**AN 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)		
Not Used	BCH08	367	**Contract Number**	**O**	**AN 1/30**
			Contract number		
Not Used	BCH09	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 Used | BCH10 | 373 | **Date** | | **O** | **DT 6/6** |
Date (YYMMDD)

| Not Used | BCH11 | 373 | **Date** | | **O** | **DT 6/6** |
Date (YYMMDD)

| Not Used | BCH12 | 1166 | **Contract Type Code** | | **O** | **ID 2/2** |
Code identifying a contract type

| Not Used | BCH13 | 786 | **Security Level Code** | | **O** | **ID 2/2** |
Code indicating the level of confidentiality assigned by the sender to the
information following

| | BCH14 | 587 | **Acknowledgment Type** | | **O** | **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 | BCH15 | 640 | **Transaction Type Code** | | **O** | **ID 2/2** |
Code specifying the type of transaction

| Not Used | BCH16 | 1232 | **Purchase Category** | | **O** | **ID 2/2** |
Code identifying the broad category of products or services being 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:			

Data Element Summary

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

BellSouth valid codes:

11	Account Number	
	Number identifies a telecommunications 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 addition to a primary order number	
2I	Tracking Number	
AE	Authorization for Expense (AFE) Number	
CO	Customer Order Number	
GP	Government Priority Number	
JB	Job (Project) Number	
OW	Service Order Number	
	Number assigned when a customer orders service and equipment and which appears on bill	
SY	Social Security Number	

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Number**	X AN 1/30

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

If REF01	then	REF02	
12		BAN1 or BAN2: Billing Acct. Number 1 or 2	
1V		RORD: Related Order Number	
2I		LSR NO: Local Service Request Number	
AE		SAN: Subscriber Authorization Number	
CO		RPON: Related Purchase Order Number	
GP		TSP: Telecommunications Service Priority	
JB		PROJECT: Project Identification	
OW		ORD: Order Number	
SY		FB-SSN: Final Bill Contact Social Security No. *	

If REF01	& REF03	then	REF02	
11	AN		AN: Account Number	
11	ATN		ATN: Account Telephone No.	

*Not currently being used by BellSouth

| **REF03** | **352** | **Description** | **X** | **AN 1/80** |

A free-form 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 request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:	1	At least one of SAC02 or SAC03 is required.
	2	If either SAC03 or SAC04 is present, then the other is required.
	3	If either SAC06 or SAC07 is present, then the other is required.
	4	If either SAC09 or SAC10 is present, then the other is required.
	5	If SAC11 is present, then SAC10 is required.
	6	If SAC13 is present, then at least one of SAC02 or SAC04 is required.
	7	If SAC14 is present, then SAC13 is required.
Semantic Notes:	1	If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
	2	SAC05 is the total amount for the service, promotion, allowance, or charge. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
	3	SAC08 is the allowance or charge rate per unit.
	4	SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
	5	SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
	6	SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
Comments:	1	SAC04 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.
	2	In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to a "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
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
			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**	**X**	**AN 1/10**
			Agency maintained code identifying the service, promotion, allowance, or charge		
			EEH: Engineering Charge (equivalent OBF name is AENG) EXP: Expedited Service OAC: Overtime Loading (Additional Labor) (equivalent OBF name is ALBR) VT: Variable Term Agreement		
Not Used	SAC05	610	**Amount**	**O**	**N2 1/15**
			Monetary amount		
Not Used	SAC06	378	**Allowance/ Charge Percent Qualifier**	**X**	**ID 1/1**
			Code indicating on what basis allowance or charge percent is calculated		
Not Used	SAC07	332	**Percent**	**X**	**R 1/6**
			Percent expressed as a percent		
Not Used	SAC08	118	**Rate**	**O**	**R 1/9**
			Rate expressed in the standard monetary denomination for the currency specified		
Not Used	SAC09	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	SAC10	380	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
Not Used	SAC11	380	**Quantity**	**O**	**R 1/15**
			Numeric value of quantity		
Not Used	SAC12	331	**Allowance or Charge Method of Handling Code**	**O**	**ID 2/2**
			Code indicating method of handling for an allowance or charge		
Not Used	SAC13	127	**Reference Number**	**X**	**AN 1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
Not Used	SAC14	770	**Option Number**	**O**	**AN 1/20**
			A unique number identifying available promotion or allowance options when more than one is offered		
	SAC15	352	**Description**	**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			VTA: Variable Term Pricing Description (use if SAC04=VT)		

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. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	M ID 3/3

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

BellSouth valid codes:

007	Effective	
097	Transaction Creation	
150	Service Period Start	
151	Service Period End	
201	Acceptance	
270	Date Filed	
992	Date Requested	

	Ref. Des.	Data Element	Name	Attributes
	DTM02	373	**Date**	X DT 6/6

Date (YYMMDD)

If DTM01 then 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 Authoriz. Date
270	DATED: Agency Authorization Date

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM03	337	**Time**	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or
HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-
59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds
are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM04	623	**Time Code**	O ID 2/2

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

	Ref. Des.	Data Element	Name	Attributes
	DTM05	624	**Century**	O N0 2/2

The first two characters in the designation of the year (CCYY)

If DTM01 then DTM05
007	EBD-CC: Effective Bill Date Century Code

097	D/SENT-CC: Date Sent Century Code		
150	DDD-CC: Desired Due Date Century Code		
151	DDDO-CC: Desired Due Date Out Century Code		
201	LSP AUTH DATE-CC: LSP Authoriz. Date Century Code		
270	DATED-CC: Agency Authoriz. Date Century Code		

DTM06   **1250**   **Date Time Period Format Qualifier**   **X   ID 2/3**

Code indicating the date format, time format, or date and time format

BellSouth valid codes:

RTM   Range of Time Expressed in Format HHMM-HHMM

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

TM   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, a time, or range of dates, times or dates and times

If DTM01 then DTM07
   992   DFDT: Desired Frame Due Time (Range or Time)

When DTM06
     RTM   Range (HHMM-HHMM)   or
     TM   Time (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 characteristics qualifiers.

Notes: BellSouth usage:
SI02 through SI21 data segments may be transmitted in pairs as indicated below--
"stacked" or "strung out" in one line--in 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

	Ref. Des.	Data Element	Name		Attributes
Must Use	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		

BellSouth valid qualifiers are listed here. These qualifiers may be placed in
any occurrence of a Service Characteristics Qualifier (EDI data element 1000)
in the SI segment when followed by the appropriate corresponding
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 Local Servicing Office
NC: Code for Network Channel Code
NI: Code for Network Channel Interface Code
NJ: Code for Secondary Network Channel Interface Code
RE: Code for Requistion Type
SS: Code for Service Sub-Category
TP: Code for Telecommunications Provider Office
TY: Code for Type of Service
UC: Code for Basic Class of Service

Must Use	**SI03**	**234**	**Product/Service ID**	**M**	**AN 1/40**

Identifying number for a product or service

BellSouth valid IDs are listed here. These IDs may be placed in any
occurrence of a Product/Service ID (EDI data element 234) in the SI segment
when preceded by the appropriate corresponding Service Characteristics
Qualifer (EDI data element 1000).

If SI02 then   SI03
  AA   ACT: Account Activity Type
  BN   LOCBAN: Local Billing Account Number
  FB   FBI: Final Bill Type Indicator
  IW   IWO: Inside Wire Option
  IX   IWBAN: Inside Wire Billing Account Number
  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 Interface Code
  RE   REQTYP: Requistion Type *
  SS   SPEC: 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 character of your
selection from the valid entry list shown in the BST usage rules for REQTYP
(elsewhere in this guide).

	SI04	**1000**	**Service Characteristics Qualifier**	**X**	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

	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 service characteristics

	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 characteristics

	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 service characteristics

	SI11	**234**	**Product/Service ID**	**X**	**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 characteristics

	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 service characteristics		
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 service characteristics		
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 type of service characteristics		
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 characteristics		
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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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 characteristic		
	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**
			A code from an industry code list which provides specific data about a product characteristic		
			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**	**X**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			If PID04 then PID05		
			YPH YPH: Code for 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 being described

      PID07   **822**   **Source Subqualifier**   **O**   **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**   **O**   **ID 1/1**

Code indicating a Yes or No condition or response

If PID04 & PID07 then PID08
AH	SO-RSQ	CHC: Coordinated Hot Cut
AN	SO-RSQ	SCA: Special Construction
AO	SO-RSQ	AGAUTH: Agency Authorization
AF	SO-RSQ	EUMI: End User Moving (equivalent 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. Des.	Data Element	Name		Attributes
Must Use	PWK01	755	**Report Type Code**	M	ID 2/2
			Code indicating the title or contents of a document, report or supporting item		
			BellSouth valid code:		
			DI	Directory	
				Reports that provide information about a subject, name, product, etc.	
Not Used	PWK02	756	**Report Transmission Code**	O	ID 1/2
			Code defining timing, transmission method or format by which reports are to be sent		
			BW	Best Way (Sender's Option)	
	PWK03	757	**Report Copies Needed**	O	N0 1/2
			The number of copies of a report that should be sent to the addressee		
			If PWK07 then PWK03		
			WP	WPQTY: Number of White Pages Books Ordered	
			YP	YPQTY: Number of Yellow Pages Books Ordered	
Not Used	PWK04	98	**Entity Identifier Code**	O	ID 2/2
			Code identifying an organizational entity, a physical location, or an individual		
Not Used	PWK05	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
Not Used	PWK06	67	**Identification Code**	X	AN 2/20
			Code identifying a party or other code		
	PWK07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		
			WP: Code for White Pages Books		
			YP: Code for Yellow Pages Books		
Not Used	PWK08	C002	**Actions Indicated**	O	
			Actions to be performed on the piece of paperwork identified		
Not Used	C00201	704	**Paperwork/Report Action Code**	M	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		
Not Used	C00202	704	**Paperwork/Report Action Code**	O	ID 1/2
			Code specifying how the paperwork or report that is identified in the PWK		

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segment relates to the transaction set or to identify the action that is required

| **Not Used** | **C00203** | **704** | **Paperwork/Report Action Code** | **O** | **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

| **Not Used** | **C00204** | **704** | **Paperwork/Report Action Code** | **O** | **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

| **Not Used** | **C00205** | **704** | **Paperwork/Report Action Code** | **O** | **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

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Segment:	**TXI** Tax Information	
Position:	275	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify tax information	
Syntax Notes:	1	At least one of TXI02 TXI03 or TXI06 is required.
	2	If either TXI04 or TXI05 is present, then the other is required.
	3	If TXI08 is present, then TXI03 is required.
Semantic Notes:	1	TXI07 is a code indicating the relationship of the price or amount to the associated segment.
Comments:	1	TXI02 is the monetary amount of the tax.
	2	TXI03 is the tax percent expressed as a decimal.
	3	If TXI02 is not used, then the application of the percent (TXI03) is between trading partners.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
Must Use	TXI01	963	**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**		X	R 1/15
			Monetary amount			
Not Used	TXI03	954	**Percent**		X	R 1/10
			Percentage expressed as a decimal			
Not Used	TXI04	955	**Tax Jurisdiction Code Qualifier**		X	ID 2/2
			Code identifying the source of the data used in tax jurisdiction code			
Not Used	TXI05	956	**Tax Jurisdiction Code**		X	AN 1/10
			Code identifying the taxing jurisdiction			
	TXI06	441	**Tax Exempt Code**		X	ID 1/1
			Code identifying exemption status from sales and use tax			
			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		
				Indicates that telecommunications services provided within the serving area are exempt from specific taxes		
Not Used	TXI07	662	**Relationship Code**		O	ID 1/1
			Code indicating the relationship between entities			
Not Used	TXI08	828	**Dollar Basis For Percent**		O	R 1/9
			Dollar basis to be used in the percent calculation of the allowance, charge or tax			
Not Used	TXI09	325	**Tax Identification Number**		O	AN 1/20
			Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
Not Used	TXI10	350	**Assigned Identification**		O	AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set			

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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. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Number Qualifier**	**M**	**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

	Ref. Des.	Data Element	Name	Attributes	
	N902	127	**Reference Number**	**X**	**AN 1/30**

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

ORI   Order Instructions (used when N901 = H7 or L1)
ACC   Access Instructions (used when N901 = L1)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N903	369	**Free-form Description**	**X**	**AN 1/45**
			Free-form descriptive text		
Not Used	N904	373	**Date**	**O**	**DT 6/6**
			Date (YYMMDD)		
Not Used	N905	337	**Time**	**X**	**TM 4/8**

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N906	623	**Time Code**	**O**	**ID 2/2**

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

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

	Ref. Des.	Data 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

	Ref. Des.	Data Element	Name	Attributes	
Not Used	MSG02	934	**Printer Carriage Control Code**	**O**	**ID 2/2**
			A field to be used for the control of the line feed of the receiving printer		

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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. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual	

BellSouth 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

			Name		Attributes
	N102	93	**Name**		**X AN 1/35**
			Free-form name		

If N101	then	N102
78		CCNA: Customer Carrier Name Abbrev.
AN		AUTHNM: Authorization Name
BT		BILLNM: Bill and Ship To Name
DA		DDA-NAME: Directory Delivery To Name
DG		DSGCON: Design/Engrg. Contact
IT		EU-NAME: End-User Name
SE		LSP AUTHNAME: Local Svc. Provider Authoriz. Name
X1		FB-BILLNM: Final Bill To Name
	&	N103
BY	25	CUST: Customer Name

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	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**

Code designating the system/method of code structure used for Identification Code (67)

BellSouth valid codes:

	25	Carrier's Customer Code
	41	Telecommunications Carrier Identification Code
		Identifies the Interexchange carrier for the charges being billed
	92	Assigned by Buyer or Buyer's Agent
	SI	Standard Industry Code (SIC)

	N104	**67**	**Identification Code**	**X**	**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 Authorization
BT	92	ACNA: Access Customer Name Abbreviation
78	41	CIC: Carrier Identification Code

Not Used	**N105**	**706**	**Entity Relationship Code**	**O**	**ID 2/2**

Code describing entity relationship

Not Used	**N106**	**98**	**Entity Identifier Code**	**O**	**ID 2/2**

Code identifying an organizational entity, a physical location, or an individual

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Segment:	**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:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N201**	**93**	**Name**	**M AN 1/35**
			Free-form name	
			If N101 then N201	
			BT SBILLNM: Secondary Bill Name	
			DA DDA-NAME2: Continuation of Delivery Name	
			X1 FB-SBILLNM: Final Bill Secondary Bill Name	
Not Used	**N202**	**93**	**Name**	**O AN 1/35**
			Free-form name	

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:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N301	166	**Address Information**	**M**	**AN 1/35**
			Address information		

If N101 then N301
   78   INIT-STREET: Initiator Street Address
   BT   BILLNM-STREET: Bill Name Street Address
   DA   DDA-ADDRESS 1: Directory Delivery Address 1
   DG   DSGCON-STREET: Design/Engr. Contact Street Address
   IT   EU-STREET 1: End User Street Address
   X1   FB-STREET: Final Bill Street Address

	Ref. Des.	Data Element	Name		Attributes
	N302	166	**Address Information**	**O**	**AN 1/35**
			Address information		

If N101 then N302
   DA   DDA-ADDRESS 2: Continuation of Directory Delivery Address
   IT   EU-STREET 2: 2nd Line End User Street 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.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
N401	**19**	**City Name**	**O**	**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
X1		FB-CITY: Final Bill City

Ref. Des.	Data Element	Name		Attributes
N402	**156**	**State or Province Code**	**O**	**ID 2/2**
		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: End User State
X1		FB-STATE: Final Bill State

Ref. Des.	Data Element	Name		Attributes
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		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

	Ref. Des.	Data Element	Name		Attributes
Not Used	**N404**	**26**	**Country Code**	**O**	**ID 2/3**
			Code identifying the country		
Not Used	**N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
			Code identifying type of location		
Not Used	**N406**	**310**	**Location Identifier**	**O**	**AN 1/30**
			Code which identifies a specific location		

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Segment:	**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

	Ref. Des.	Data Element	Name		Attributes
Must Use	NX201	1106	**Address Component Qualifier**	M	ID 2/2

Code qualifying the type of address component

BellSouth valid codes:

12	Building Name	
32	Floor	
	A particular floor or level of a building	
35	Room	
	A walled room or partitioned area of a building	
90	Access Customer Terminal Location	
91	Additional Point of Termination	
92	Local Service Termination	

	Ref. Des.	Data Element	Name		Attributes
Must Use	NX202	166	**Address Information**	M	AN 1/35

Address information

If
N101 & NX201 then NX202

78	90	ACTL: Access Customer Terminal Location
	91	APOT: Additional Point of Termination
	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 Room
DG	32	DSGCON-FLOOR: Design/Engrg. Floor
	35	DSGCON-ROOM/MAIL STOP: Design/Engrg.Room/MS
IT	12	EU-BLDG: End User Building
	32	EU-FLOOR: End User Floor

	Ref. Des.	Data Element	Name		Attributes
Not Used	NX203	1096	**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:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	**M ID 2/2**
			Code qualifying the Reference Number.	
			11 Account Number	
			Number identifies a telecommunications industry account	
	REF02	127	**Reference Number**	**X AN 1/30**
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	

If N101 & REF01 & REF03 then REF02
   IT   11   EAN   EAN: Existing Account Number
   IT   11   EATN   EATN: Existing Account Telephone No.

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

If REF01 then REF03
   11   EAN or EATN

Segment:	**PER** Administrative Communications Contact
Position:	350
Loop:	N1
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	BellSouth usage:
	PER03 through PER08 data segments may be transmitted in pairs as indicated below--"stacked" or "strung out" in one line--in any order, as long as the appropriate Communication Number Qualifier precedes the Communication Number value.

Data Element Summary

Must Use	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	**M ID 2/2**

Code identifying the major duty or responsibility of the person or group named

BellSouth valid codes:

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	Customer Contact Granting Appointment	
CN	General Contact	
DE	Design Engineer	

	PER02	93	**Name**	**O AN 1/35**

Free-form name

If N101 & PER01	then	PER02
78	AG	INIT: Initiator
78	CN	IMPCON: Implementation Contact
78	AL	ALTIMPCON: Alternate Implem. Contact
BT	BI	BILLCON: Billing Contact
IT	CA	LCON: Local Contact
IT	CN	IWCON: Inside Wire Contact
XI	BI	FBCON: Final Bill Contact

	PER03	365	**Communication Number Qualifier**	**X ID 2/2**

Code identifying the type of communication number

BellSouth valid qualifiers are listed here. These qualifiers may be placed in any occurrence of a Communication Number Qualifier (EDI data element 365) in the PER segment when followed by the appropriate corresponding Communication Number (EDI data element 364).

		BN	Beeper Number
		EM	Electronic Mail
		FX	Facsimile
		TE	Telephone

PER04	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

BellSouth valid communications numbers are listed here. These numbers may be placed in any occurrence of a Communication Number (EDI data element 364) in the PER segment when preceded by the appropriate corresponding Communication Number Qualifier (EDI data element 365).

If

N101	PER01	PER03	then PER04
78	AG	TE	INIT-TEL NO: Initiator Telephone
78	CN	TE	IMPCON-TEL NO: Implem. Contact Telephone
78	AL	TE	ALTIMPCON-TEL NO: Alternate Imp. Contact Tele.
BT	BI	TE	BILLCON-TEL NO: Billing Contact Telephone
DG	DE	TE	DSGCON-TEL NO: Design/Engrg. Contact Tele.
IT	CA	TE	LCON-TEL NO: Local Contact Telephone
IT	CN	TE	IWCON-TEL NO: Inside Wire Contact Telephone
X1	BI	TE	FBCON-TEL NO: Final Bill Contact Telephone
78	CN	BN	IMPCON-PAGER: Impl. Contact Pager No.
78	AL	BN	ALTIMPCON-PAGER: Alt. Impl. Contact Pager No.
DG	DE	EM	DSGCON-EMAIL: Design/Engrg. Email Address
78	AG	FX	INIT-FAX NO: Initiator Fax No.
DG	DE	FX	DSGCON-FAX NO: Design/Engrg. Fax No.

PER05	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

PER06	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

PER07	**365**	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

PER08	**364**	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

PER09	**443**	**Contact Inquiry Reference**	**O**	**AN 1/20**

Additional reference number or description to clarify a contact 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 are 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:		

Data Element Summary

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

		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 Product/Service ID (234)		
POC11	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
POC12	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
POC13	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
POC14	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
POC15	**234**	**Product/Service ID**	**X**	**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 used in Product/Service ID (234)		
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 Product/Service ID (234)		
POC19	**234**	**Product/Service ID**	**X**	**AN 1/40**
		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 used in Product/Service ID (234)		
POC21	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
POC22	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
POC23	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
POC24	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
POC25	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		
POC26	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
POC27	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		

Segment:	**SI** Service Characteristic Identification
Position:	018
Loop:	POC
Level:	Detail
Usage:	Optional
Max Use:	5
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:
SI02 through SI21 data segments may be transmitted in pairs as indicated below--
"stacked" or "strung out" in one line--in any order, on any of the five SI segments
allotted, as long as the appropriate Service Characteristics Qualifier precedes the
Product/Service ID value.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		

BellSouth valid code:

TI	Telecommunications Industry

	Ref. Des.	Data Element	Name		Attributes
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		

BellSouth valid qualifiers are listed here. These qualifiers may be placed in
any occurrence of a Service Characteristics Qualifier (EDI data element 1000)
in the SI segment when followed by the appropriate corresponding
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
K4: Slot
K5: Relay Rack
K6: Chan/Pair
LM: Local Routing Number (LNP)

NM: Code for Number of Stations Requested for DID Feature
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**	**M**	**AN 1/40**

Identifying number for a product or service

BellSouth valid IDs are listed here. These IDs may be placed in any
occurrence of a Product/Service ID (EDI data element 234) in the SI segment
when preceded by the appropriate corresponding Service Characteristics
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 outpulsed)
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
LM	LRN: Local Routing No. (LNP)
NM	NUM ST: Number of Stations Requested for DID Feature
NN	ACTST: Number of Stations to be Activated
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 Secondary No.
TB	TBE: Toll Billing/Blocking Exception
TC	TCTO-PRIMARY: Transfer Announcement Number
TH	INPTG: Interim Number Portability Trunk Group
TN	TN: Telephone Number
TS	SGNL: Type of Signaling

	SI04	1000	**Service Characteristics Qualifier**	**X**	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

	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 service characteristics		
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 characteristics		
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 service characteristics		
SI11	**234**	**Product/Service ID**	**X**	**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 characteristics		
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 service characteristics		
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 service characteristics		
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 type of service characteristics		
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 characteristics		
SI21	**234**	**Product/Service ID**	**X**	**AN 1/40**
		Identifying number for a product or service		

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	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:	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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PO301	371	**Change Reason Code** Code specifying the reason for price or quantity change	M	ID 2/2
			BellSouth valid code:		
			QO Quantity Ordered		
Not Used	PO302	373	**Date** Date (YYMMDD)	O	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.	O	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	M	R 1/15
			TNP: Total Number of Paths		
Must Use	PO307	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID 2/2
			EA Each		
Not Used	PO308	352	**Description** A free-form description to clarify the related data elements and their content	O	AN 1/80

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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 = ``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. Des.	Data Element	Name		Attributes
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 characteristic		
	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
			A code from an industry code list which provides specific data about a product characteristic		
			BC: Code for Ten-Digit Trigger (LNP)		
			CFA: Code for Connecting Facility Assignment		
	PID05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			If PID04 then PID05		
			CFA CFA: Connecting Facility Assignment		
Not Used	PID06	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		

PID08   **1073**   **Yes/No Condition or Response Code**   **O**   **ID 1/1**

Code indicating a Yes or No condition or response

If PID04   then PID08
  BC   TDT: Ten Digit Trigger (LNP)

Segment:	**DTM** Date/Time Reference
Position:	200
Loop:	POC
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	**1** At least one of DTM02 DTM03 or DTM06 is required.
	2 If either DTM06 or DTM07 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	**Date/Time Qualifier**	M ID 3/3

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

BellSouth valid 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

	Ref. Des.	Data Element	Name	Attributes
	DTM02	373	**Date**	X DT 6/6

Date (YYMMDD)

If DTM01 then DTM02
  376   TC PER-DATE: Transfer Calls to Period Date
  244   DIRDATE: Directory Listing Date

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM03	337	**Time**	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM04	623	**Time Code**	O ID 2/2

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

	Ref. Des.	Data Element	Name	Attributes
	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

	Ref. Des.	Data Element	Name	Attributes
Not Used	DTM06	1250	**Date Time Period Format Qualifier**	X ID 2/3

Code indicating the date format, time format, or date and time format

	Ref. Des.	Data Element	Name	Attributes
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

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Segment:	# N1 Name
Position:	340
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**		**M ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		
			BellSouth valid codes:		
			8B	Primary Residence	
			8C	Second Home	
			8V	Primary Intra-LATA (Local Access Transport Area) Carrier	
			P9	Primary Interexchange Carrier (PIC)	
				Identifies the carrier who will handle the interexchange calls	
	N102	93	**Name**		**X AN 1/35**
			Free-form name		
			If N101 then N102		
			8B	TC NAME-PRIMARY: Primary Name to Transfer Calls To	
			8C	TC NAME-SECONDARY: Second Name to Transfer Calls To	
			8V	(not used in N102)	
			P9	(not used in N102)	
	N103	66	**Identification Code Qualifier**		**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			BellSouth valid code:		
			41	Telecommunications Carrier Identification Code	
				Identifies the Interexchange carrier for the charges being billed	
	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 CIC Code	
			8V 41	LPIC: Local Primary Interexchange Carrier Code	
Not Used	N105	706	**Entity Relationship Code**		**O ID 2/2**
			Code describing entity relationship		
Not Used	N106	98	**Entity Identifier Code**		**O ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		

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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.
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.

Data Element Summary

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

Not Used	SLN06	212	**Unit Price**	X	R 1/17
			Price per unit of product, service, commodity, etc.		
Not Used	SLN07	639	**Basis of Unit Price Code**	O	ID 2/2
			Code identifying the type of unit price for an item		
Not Used	SLN08	662	**Relationship Code**	O	ID 1/1
			Code indicating the relationship between entities		
Not Used	SLN09	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN10	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN11	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN12	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN13	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN14	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN15	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN16	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN17	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN18	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN19	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN20	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN21	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN22	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN23	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN24	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN25	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN26	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SLN27	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	SLN28	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		

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

SI05	**234**	**Product/Service ID**	**X**	**AN 1/30**

Identifying number for a product or service

If SI04 then SI05
  SF   FEATURE: Features found in TCIF List
  SC   FEATURE: Features found in BellSouth List

SI06	**1000**	**Service Characteristics Qualifier**	**X**	**ID 2/2**

FD: Code for Additional Feature Detail
99: Code for continuation of Feature Detail
SG: Code for Service Group

Code from an industry code list qualifying the type of service characteristics

SI07	**234**	**Product/Service ID**	**X**	**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 service characteristics

SI09	**234**	**Product/Service ID**	**X**	**AN 1/30**

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 service characteristics

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 characteristics

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 characteristics

SI15	**234**	**Product/Service ID**	**X**	**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 characteristics

SI17	**234**	**Product/Service ID**	**X**	**AN 1/30**

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 characteristics

SI19	**234**	**Product/Service ID**	**X**	**AN 1/30**

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 characteristics

SI21	**234**	**Product/Service ID**	**X**	**AN 1/30**

Identifying number for a product or service

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Electronic Data Interchange (EDI)   Issue: 7f
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Segment:	**PID** Product/Item Description	
Position:	480	
Loop:	SLN	
Level:	Detail	
Usage:	Optional	
Max Use:	1000	
Purpose:	To describe a product or process in coded or free-form format	
Syntax Notes:	1	If PID04 is present, then PID03 is required.
	2	At least one of PID04 or PID05 is required.
	3	If PID07 is present, then PID03 is required.
	4	If PID08 is present, then PID03 is required.
Semantic Notes:	1	Use PID03 to indicate the organization that publishes the code list being referred to.
	2	PID04 should be used for industry-specific product description codes.
	3	PID08 describes the physical characteristics of the product identified in PID04. A ``Y'' indicates that the specified attribute applies to this item. A ``N'' indicates it does not apply. Any other value is indeterminate.
Comments:	1	If PID01 = ``F'', then PID05 is used. If PID01 = ``S'', then PID04 is used. If PID01 = ``X'', then both PID04 and PID05 are used.
	2	Use PID06 when necessary to refer to the product surface or layer being described in the segment.
	3	PID07 specifies the individual code list of the agency specified in PID03.

Notes: BellSouth usage: This PID segment is reserved for future use.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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 characteristic		
	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**
			A code from an industry code list which provides specific data about a product characteristic		
			YPH: Code for Yellow Page Heading		
	PID05	352	**Description**	**X**	**AN 1/80**
			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 being described		
Not Used	PID07	822	**Source Subqualifier**	**O**	**AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier		

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:	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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N101	98	**Entity Identifier Code**		**M ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		
			BellSouth valid codes:		
			EN	End User	
			IT	Installation on Site	
	N102	93	**Name**		**X AN 1/35**
			Free-form name		
			If N101 then N102		
			EN	LN: First Line Listing Name	
			IT	EU-NAME: Service Name *	
			*not currently being used by BellSouth		
	N103	66	**Identification Code Qualifier**		**X ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			BellSouth valid codes:		
			93	Code assigned by the organization originating the transaction set	
			SI	Standard Industry Code (SIC)	
	N104	67	**Identification Code**		**X AN 2/20**
			Code identifying a party or other code		
			If N101 & N103 then N104		
			EN	93	LIST: Type of Listing (Codes Provided by BellSouth)
			IT	SI	SICCODE: Standard Industry Code *
			*not currently being used by BellSouth		
Not Used	N105	706	**Entity Relationship Code**		**O ID 2/2**
			Code describing entity relationship		
Not Used	N106	98	**Entity Identifier Code**		**O ID 2/2**
			Code identifying an organizational entity, a physical location, or an individual		

Segment:	**N2** Additional Name Information	
Position:	530	
Loop:	N1	
Level:	Detail	
Usage:	Optional	
Max Use:	6	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	BellSouth usage rules: This segment can occur up to 6 times to accommodate the Listing Name information	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	N201	93	**Name**	**M**	**AN 1/35**
			Free-form name		
			If N101 then N201		
			EN LISTED NAME OVERFLOW: Additional Listing Name Info		
	N202	93	**Name**	**O**	**AN 1/35**
			Free-form name		
			If N101 then N202		
			EN 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:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N301	166	**Address Information**	**M**	**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

	Ref. Des.	Data Element	Name	Attributes	
	N302	166	**Address Information**	**O**	**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

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

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
N401	**19**	**City Name**	**O**	**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**	**O**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
		If N101 then N402 IT EU-STATE: State of Service * *not currently being used by BellSouth		
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 IT EU-ZIP CODE: Zip Code of Service * *not currently being used by BellSouth		
Not Used **N404**	**26**	**Country Code**	**O**	**ID 2/3**
		Code identifying the country		
Not Used **N405**	**309**	**Location Qualifier**	**X**	**ID 1/2**
		Code identifying type of location		
Not Used **N406**	**310**	**Location Identifier**	**O**	**AN 1/30**
		Code which identifies a specific location		

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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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	NX201	1106	**Address Component Qualifier** Code qualifying the type of address component	M ID 2/2

BellSouth valid codes:

12	Building Name
32	Floor
	A particular floor or level of a building
35	Room
	A walled room or partitioned area of a building

	Ref. Des.	Data Element	Name	Attributes
Must Use	NX202	166	**Address Information** Address information	M AN 1/35

If N101 & NX201 then NX202

IT	12	EU-BLDG: Building Location of Service *
IT	32	EU-FLOOR: Floor Location of Service *
IT	35	EU-ROOM: Room Location of Service *

*not currently being used by BellSouth

	Ref. Des.	Data Element	Name	Attributes
Not Used	NX203	1096	**County Designator** Code identifying the county within a state	O ID 5/5

		CTT Transaction Totals
Segment:		
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	CTT01	354	**Number of Line Items**	M	N0 1/6
			Total number of line items in the transaction set		
			Total Number of POC Segments		
Not Used	CTT02	347	**Hash Total**	O	R 1/10
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.		
Not Used	CTT03	81	**Weight**	X	R 1/10
			Numeric value of weight		
Not Used	CTT04	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT05	183	**Volume**	X	R 1/8
			Value of volumetric measure		
Not Used	CTT06	355	**Unit or Basis for Measurement Code**	X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	CTT07	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

Segment:	**SE** Transaction 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 segments (including the beginning (ST) and ending (SE) segments).	
Syntax Notes:		
Semantic Notes:		
Comments:	1 SE is the last segment of each transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	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 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 is 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 and 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:

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	270	MAN	Marks and Numbers	O	10		
Not Used	275	TXI	Tax Information	O	>1		
			LOOP ID - N9			1000	
	280	N9	Reference Number	O	1		
	290	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	300	N1	Name	O	1		
Not Used	310	N2	Additional Name Information	O	2		
Not Used	320	N3	Address Information	O	2		
Not Used	330	N4	Geographic Location	O	1		
Not Used	335	NX2	Real Estate Property ID Component	O	3		
Not Used	340	REF	Reference Numbers	O	12		
	350	PER	Administrative Communications Contact	O	>1		
Not Used	360	FOB	F.O.B. Related Instructions	O	1		
Not Used	370	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	390	TD3	Carrier Details (Equipment)	O	12		
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	410	PKG	Marking, Packaging, Loading	O	25		
Not Used	420	MSG	Message Text	O	>1		

Detail:

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

Not Used	135	CUR	Currency	O	1		
Not Used	140	IT8	Conditions of Sale	O	1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	165	INC	Installment Information	O	1		
Not Used	170	TAX	Tax Reference	O	>1		
Not Used	180	FOB	F.O.B. Related Instructions	O	>1		
Not Used	190	SDQ	Destination Quantity	O	500		
Not Used	200	DTM	Date/Time Reference	O	10		
Not Used	210	LDT	Lead Time	O	12		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	1		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
			LOOP ID - ACK			104	
Not Used	270	ACK	Line Item Acknowledgment	O	1		
Not Used	280	DTM	Date/Time Reference	O	1		
Not Used	290	MAN	Marks and Numbers	O	10		
Not Used	300	AMT	Monetary Amount	O	1		n3
Not Used	302	TXI	Tax Information	O	>1		
			LOOP ID - PKG			200	
Not Used	303	PKG	Marking, Packaging, Loading	O	1		
Not Used	305	MEA	Measurements	O	>1		
			LOOP ID - SCH			200	
Not Used	310	SCH	Line Item Schedule	O	1		n4
Not Used	315	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	320	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	330	TD3	Carrier Details (Equipment)	O	12		
Not Used	340	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
			LOOP ID - N9			1000	
Not Used	350	N9	Reference Number	O	1		
Not Used	360	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
Not Used	370	N1	Name	O	1		
Not Used	380	N2	Additional Name Information	O	2		
Not Used	390	N3	Address Information	O	2		
Not Used	400	N4	Geographic Location	O	1		
Not Used	405	NX2	Real Estate Property ID Component	O	3		
Not Used	410	REF	Reference Numbers	O	12		
Not Used	420	PER	Administrative Communications Contact	O	3		
Not Used	430	FOB	F.O.B. Related Instructions	O	1		
Not Used	435	SCH	Line Item Schedule	O	200		
Not Used	440	TD1	Carrier Details (Quantity and Weight)	O	2		

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

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n5
Not Used	020	AMT	Monetary Amount	O	1		n6
Must Use	030	SE	Transaction Set Trailer	M	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. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set	M ID 3/3
			855 X12.9 Purchase Order Acknowledgment	
Must Use	ST02	329	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set 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).	M AN 4/9

Segment:	**BAK** Beginning Segment for Purchase Order Acknowledgment	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates	
Syntax Notes:		
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.	
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK01	353	**Transaction Set Purpose Code**	**M ID 2/2**
			Code identifying purpose of transaction set	

TRAN-SET-PURPOSE-CODE
BellSouth valid codes:

06	Confirmation
08	Status
21	Transaction on Hold

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK02	587	**Acknowledgment Type**	**M ID 2/2**
			Code specifying the type of acknowledgment	

BellSouth valid EDI usage:
If BAK01 then BAK02

06	AT =	Accepted FOC
06	AH =	Clarification (860 Required)
06	RD =	Reject (850 Required)
08	NA=	Status (No Action Required)
21	AC =	Jeopardy (New Desired Due Date Required)

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK03	324	**Purchase Order Number**	**M AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser	

PON: Purchase Order Number

	Ref. Des.	Data Element	Name	Attributes
Must Use	BAK04	373	**Date**	**M DT 6/6**
			Date (YYMMDD)	
Not Used	BAK05	328	**Release Number**	**O AN 1/30**
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
Not Used	BAK06	326	**Request Reference Number**	**O AN 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)	
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 Used	BAK09	373	**Date**	**O DT 6/6**
			Date (YYMMDD)	

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

Data Element Summary

Ref. Des.	Data Element	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 telecommunications 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 addition to a primary order number
2I	Tracking Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill

Ref. Des.	Data Element	Name	Attributes
REF02	**127**	**Reference Number**	**X AN 1/30**

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

If REF01		then REF02
12		BAN1 or BAN2: Billing Account Number 1 or 2
1V		RORD: Related Vendor Order Number
2I		LSR NO: Local Service Request Number
OW		ORD: Order Number

If REF01	& REF03	then	REF02
11	AN		AN: Account Number
11	ATN		ATN: Account Telephone No.

Ref. Des.	Data Element	Name	Attributes
REF03	**352**	**Description**	**X AN 1/80**

A free-form description to clarify the related data elements and their content

If REF01	then	REF03
11		AN or ATN
12		BI1 or BI2: Billing Account Number Identifier 1 or 2

Segment:	**PER** Administrative Communications Contact	
Position:	060	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	3	
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. Des.	Data Element	Name	Attributes	
Must Use	PER01	366	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			BellSouth valid code:		
			OC Order Contact		
	PER02	93	**Name**	**O**	**AN 1/35**
			Free-form name		
			If PER01 then PER02		
			OC REP: Provider Contact Representative		
	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE Telephone		
	PER04	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
			If		
			PER01 PER03 then PER04		
			OC TE REP-TEL NO: Provider Contact Rep. Tele. No.		
Not Used	PER05	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
Not Used	PER06	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	PER07	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
Not Used	PER08	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN 1/20**
			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. Des.	Data Element	Name		Attributes
Must Use	DTM01	374	**Date/Time Qualifier**		M ID 3/3
			Code specifying type of date or time, or both date and time		

BellSouth valid codes:

007	Effective	
097	Transaction Creation	
150	Service Period Start	
992	Date Requested	

	Ref. Des.	Data Element	Name		Attributes
	DTM02	373	**Date**		X DT 6/6
			Date (YYMMDD)		

If DTM01 then DTM02

007	EBD: Effective Bill Date
097	CD/SENT: Confirmation Sent Date
150	DD: Due Date

	Ref. Des.	Data Element	Name		Attributes
Not Used	DTM03	337	**Time**		X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
Not Used	DTM04	623	**Time Code**		O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
	DTM05	624	**Century**		O N0 2/2
			The first two characters in the designation of the year (CCYY)		

If DTM01 then DTM05

007	EBD-CC: Effective Bill Date Century Code
097	CD/SENT-CC: Confirmation Sent Date Century Code
150	DD-CC: Due Date Century Code

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DTM06	**1250**	**Date Time Period Format Qualifier**	**X**	**ID 2/3**

Code indicating the date format, time format, or date and time format

BellSouth valid codes:

RTM   Range of Time Expressed in Format HHMM-HHMM

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

TM   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, a time, or range of dates, times or dates and times

If DTM01 then DTM07
  992   FDT: Frame Due Time (Range or Time)

When DTM06
    RTM   Range (HHMM-HHMM)
    TM   Time (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. Des.	Data Element	Name	Attributes	
Must Use	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		
			BN: Code for Local Billing Account Number		
Must Use	SI03	234	**Product/Service ID**	M	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 service characteristics		
Not Used	SI05	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SI06	1000	**Service Characteristics Qualifier**	X	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI07	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SI08	1000	**Service Characteristics Qualifier**	X	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI09	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	SI10	1000	**Service Characteristics Qualifier**	X	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI11	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		

Not Used	SI12	1000	**Service Characteristics Qualifier**	X	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		

Not Used	SI13	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI14	1000	**Service Characteristics Qualifier**	X	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI15	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI16	1000	**Service Characteristics Qualifier**	X	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI17	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI18	1000	**Service Characteristics Qualifier**	X	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI19	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI20	1000	**Service Characteristics Qualifier**	X	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	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 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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	PID01	349	**Item Description Type**	**M**	**ID 1/1**
			Code indicating the format of a description		
			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 characteristic		
	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**
			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 elements and their content		
Not Used	PID06	752	**Surface/Layer/Position Code**	**O**	**ID 2/2**
			Code indicating the product surface, layer or position that is being described		
	PID07	822	**Source Subqualifier**	**O**	**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**	**O**	**ID 1/1**
			Code indicating a Yes or No condition or response		
			If PID04 then PID08		
			AH CHC: Coordinated Hot Cut		

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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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Number Qualifier** Code qualifying the Reference Number.	**M**	**ID 2/2**

BellSouth usage:
L1 = non-retained

1Q	Error Identification Code	
	Qualifies a single number that describes an error found in application-level data	
L1	Letters or Notes	
SH	Sender Defined Clause	

	Ref. Des.	Data Element	Name	Attributes	
	N902	127	**Reference Number**	**X**	**AN 1/30**

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

If N901 then N902
  1Q   ERROR-CODE
  L1   ORI Order Instructions
  SH   STATUS-CODE

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N903	369	**Free-form Description** Free-form descriptive text	**X**	**AN 1/45**
Not Used	N904	373	**Date** Date (YYMMDD)	**O**	**DT 6/6**
Not Used	N905	337	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**TM 4/8**
Not Used	N906	623	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	**O**	**ID 2/2**

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text	

If N902	then	MSG01
ERROR-CODE		ERROR-MSG: Error Message
ORI		REMARKS: Remarks
STATUS-CODE		STATUS-MSG:Status Message

	Ref. Des.	Data Element	Name	Attributes
Not Used	MSG02	934	**Printer Carriage Control Code**	**O ID 2/2**
			A field to be used for the control of the line feed of the receiving printer	

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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. Des.	Data Element	Name		Attributes
Must Use	**N101**	**98**	**Entity Identifier Code**		**M** **ID 2/2**
			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**	**Name**		**X** **AN 1/35**
			Free-form name		
			If N101 then N102		
			78	CCNA: Customer Carrier Name Abbreviation	
			DG	DSGCON: Design/Engrg. Contact	
	N103	**66**	**Identification Code Qualifier**		**X** **ID ½**
			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**		**X** **AN 2/20**
			Code identifying a party or other code		
			If N101 & N103 then N104		
			BY 25	CC: Company Code	
Not Used	**N105**	**706**	**Entity Relationship Code**		**O** **ID 2/2**
			Code describing entity relationship		
Not Used	**N106**	**98**	**Entity Identifier Code**		**O** **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. Des.	Data Element	Name		Attributes	
Must Use	**PER01**	**366**	**Contact Function Code**		**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named			
			BellSouth valid code:			
			AG Agent			
	PER02	**93**	**Name**		**O**	**AN 1/35**
			Free-form name			
			If PER01 then PER02			
			AG INIT: Initiator Identification			
	PER03	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Code identifying the type of communication number			
			BellSouth valid code:			
			TE Telephone			
	PER04	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number including country or area code when applicable			
			If PER01 & PER03 then PER04			
			AG TE INIT-TEL NO: Initiator Telephone No.			
Not Used	**PER05**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Code identifying the type of communication number			
Not Used	**PER06**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number including country or area code when applicable			
Not Used	**PER07**	**365**	**Communication Number Qualifier**		**X**	**ID 2/2**
			Code identifying the type of communication number			
Not Used	**PER08**	**364**	**Communication Number**		**X**	**AN 1/80**
			Complete communications number including country or area code when applicable			
Not Used	**PER09**	**443**	**Contact Inquiry Reference**		**O**	**AN 1/20**
			Additional reference number or description to clarify a contact number			

Segment:	**PO1** Baseline Item Data	
Position:	010	
Loop:	PO1	
Level:	Detail	
Usage:	Optional	
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.
	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.
	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.

Data Element Summary

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

Identifying number for a product or service

Not Used	**PO110**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO111**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO112**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO113**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO114**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO115**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO116**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO117**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO118**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO119**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO120**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO121**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO122**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO123**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	**PO124**	**235**	**Product/Service ID Qualifier**	**X**	**ID 2/2**

Code identifying the type/source of the descriptive number used in
Product/Service ID (234)

Not Used	**PO125**	**234**	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Segment:	**SI** Service Characteristic Identification
Position:	018
Loop:	PO1
Level:	Detail
Usage:	Optional
Max Use:	5
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.
Notes:	SI02 through SI21 data segments may be transmitted in pairs as indicated below— "stacked" or "strung out" in one line—in any order, on any of the five SI segments allotted, as long as the appropriate Service Characteristics Qualifier precedes the Product/Service ID value.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		

BellSouth valid code:

TI   Telecommunications Industry

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		

BellSouth valid qualifiers are listed here. These qualifiers may be placed in any occurrence of a Service Characteristics Qualifier (EDI data element 1000) in the SI segment when followed by the appropriate corresponding 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
T5: Code for Terminal
TN: Code for Telephone Number

Must Use SI03   **234**   **Product/Service ID**   **M   AN 1/40**

Identifying number for a product or service

> BellSouth valid IDs are listed here. These IDs may be placed in any
> occurrence of a Product/Service ID (EDI data element 234) in the SI segment
> when preceded by the appropriate corresponding Service Characteristics
> Qualifier (EDI data element 1000).
>
> If SI02 then SI03
>   CM   CKR: Customer Circuit Reference
>   CN   ECCKT: Exchange Company Circuit ID
>   IT   PORTED #: Ported Number
>   K1   SYSTEM ID: System 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 service characteristics

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 service characteristics

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 characteristics

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 service characteristics

SI11   **234**   **Product/Service ID**   **X   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 characteristics

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 service characteristics

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 service characteristics		
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 type of service characteristics		
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 characteristics		
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
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 characteristic		
	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
			A code from an industry code list which provides specific data about a product characteristic		
			CFA: Connecting Facility Assignment		
	PID05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			If PID04 then PID05		
			CFA CFA: Connecting Facility Assignment		
Not Used	PID06	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
Not Used	PID08	1073	**Yes/No Condition or Response Code**	O	ID 1/1
			Code indicating a Yes or No condition or response		

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

BellSouth valid codes:	
9F	Referral Number
A3	Assignment Number

Ref. Des.	Data Element	Name	Attributes
REF02	**127**	**Reference Number** Reference number or identification number as defined for a particular Transaction Set or as specified by the Reference Number Qualifier.	**X** **AN 1/30**

If REF01	then REF02
9F	INPORD: Interim Number Portability Order Number
A3	L-ORD: Loop Order Number

Ref. Des.	Data Element	Name	Attributes
REF03	**352**	**Description** A free-form description to clarify the related data elements and their content	**X** **AN 1/80**

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.

Data Element Summary

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

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Segment:	**SE** **Transaction 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 segments (including the beginning (ST) and ending (SE) segments).	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** SE is the last segment of each transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	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 in Transaction Set Trailer (SE).	

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 is 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 and 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:

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

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	270	MAN	Marks and Numbers	O	10		
Not Used	275	TXI	Tax Information	O	>1		
Not Used	277	G53	Maintenance Type	O	>1		
			LOOP ID - N9			1000	
	280	N9	Reference Number	O	1		
	290	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	300	N1	Name	O	1		
Not Used	310	N2	Additional Name Information	O	2		
Not Used	320	N3	Address Information	O	2		
Not Used	330	N4	Geographic Location	O	1		
Not Used	335	NX2	Real Estate Property ID Component	O	3		
Not Used	340	REF	Reference Numbers	O	12		
	350	PER	Administrative Communications Contact	O	>1		
Not Used	360	FOB	F.O.B. Related Instructions	O	1		
Not Used	370	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	380	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	390	TD3	Carrier Details (Equipment)	O	12		
Not Used	400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	410	PKG	Marking, Packaging, Loading	O	25		
Not Used	420	MSG	Message Text	O	>1		

Detail:

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

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

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

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n3
Not Used	020	AMT	Monetary Amount	O	5		n4
Must Use	030	SE	Transaction Set Trailer	M	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. Des.	Data Element	Name	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 Initiated	
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 in Transaction Set Trailer (SE).		

Segment:	**BCA** Beginning Segment for Purchase Order Change Acknowledgment	
Position:	020	
Loop:		
Level:	Heading	
Usage:	Mandatory	
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:	1	BCA06 is the date assigned by the purchaser to purchase order.
	2	BCA09 is the seller's order number.
	3	BCA10 is the date assigned by the sender to the acknowledgment.
	4	BCA11 is the date of the purchase order change request.
	5	BCA12 is the order change acknowledgment date.
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	BCA01	353	**Transaction Set Purpose Code**	**M**	**ID 2/2**
			Code identifying 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 complete and the information contained within is final for the service request purchase order	

	Ref. Des.	Data Element	Name		Attributes
	BCA02	587	**Acknowledgment Type**	**O**	**ID 2/2**
			Code specifying the type of acknowledgment		

BellSouth valid usage:
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

	Ref. Des.	Data Element	Name		Attributes
Must Use	BCA03	324	**Purchase Order Number**	**M**	**AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON: Purchase Order Number		
Not Used	BCA04	328	**Release Number**	**O**	**AN 1/30**
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		

	BCA05	**327**	**Change Order Sequence Number**	**O**	**AN 1/8**

Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set

VER: Version Number

Must Use	**BCA06**	**373**	**Date**	**M**	**DT 6/6**

Date (YYMMDD)

Not Used	**BCA07**	**326**	**Request Reference Number**	**O**	**AN 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)

Not Used	**BCA08**	**367**	**Contract Number**	**O**	**AN 1/30**

Contract number

Not Used	**BCA09**	**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 Used	**BCA10**	**373**	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

Not Used	**BCA11**	**373**	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

Not Used	**BCA12**	**373**	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

Not Used	**BCA13**	**92**	**Purchase Order Type Code**	**O**	**ID 2/2**

Code specifying the type of Purchase Order

Not Used	**BCA14**	**786**	**Security Level Code**	**O**	**ID 2/2**

Code indicating the level of confidentiality assigned by the sender to the information following

Not Used	**BCA15**	**640**	**Transaction Type Code**	**O**	**ID 2/2**

Code specifying the type of transaction

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

Data Element Summary

	Ref. Des.	Data Element	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 telecommunications 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 addition to a primary order number
2I	Tracking Number
OW	Service Order Number
	Number assigned when a customer orders service and equipment and which appears on bill

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	Reference Number	X AN 1/30

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

If REF01 then REF02
    12   BAN1 or BAN2: Billing Account Number 1 or 2
    1V   RORD: Related Vendor Order Number
    2I   LSR NO: Local Service Request Number
     OW   ORD: Order Number

If REF01 & REF03   then   REF02
    11   AN   AN: Account Number
    11   ATN   ATN: Account Telephone No.

	Ref. Des.	Data Element	Name	Attributes
	REF03	352	Description	X AN 1/80

A free-form description to clarify the related data elements and their content

If REF01 then REF03
    11   AN or ATN
    12   BI1 or BI2: Billing Account Number Identifier 1 or 2

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Segment:	**PER** Administrative Communications Contact
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	3
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. Des.	Data Element	Name		Attributes
Must Use	PER01	366	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			BellSouth valid code:		
			OC Order Contact		
	PER02	93	**Name**	**O**	**AN 1/35**
			Free-form name		
			If PER01 then PER02		
			OC REP: Provider Contact Representative		
	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE Telephone		
	PER04	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
			If PER01 & PER03 then PER04		
			OC TE REP-TEL NO: Provider Contact Rep. Tele. No.		
Not Used	PER05	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
Not Used	PER06	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	PER07	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
Not Used	PER08	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN 1/20**
			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. Des.	Data Element	Name	Attributes	
Must Use	DTM01	374	**Date/Time Qualifier**	M	ID 3/3

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

007	Effective
097	Transaction Creation
150	Service Period Start
992	Date Requested

	Ref. Des.	Data Element	Name	Attributes	
	DTM02	373	**Date**	X	DT 6/6

Date (YYMMDD)

If DTM01 then DTM02	
007	EBD: Effective Bill Date
097	CD/SENT: Confirmation Sent Date
150	DD: Due Date

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM03	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	DTM04	623	**Time Code**	O	ID 2/2

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

	Ref. Des.	Data Element	Name	Attributes	
	DTM05	624	**Century**	O	N0 2/2

The first two characters in the designation of the year (CCYY)

If DTM01 then DTM05	
007	EBD-CC: Effective Bill Date Century Code
097	CD/SENT-CC: Confirmation Sent Date Century Code
150	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 time format

BellSouth valid codes:

RTM   Range of Time Expressed in Format HHMM-HHMM

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

TM   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, a time, or range of dates, times or dates and times

If DTM01 then DTM07
   992   FDT: Frame Due Time (Range or Time)

When DTM06
   RTM   Range (HHMM-HHMM)
   TM   Time (HHMM)

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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. Des.	Data Element	Name		Attributes
Must Use	SI01	559	**Agency Qualifier Code**	**M**	**ID 2/2**
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI Telecommunications Industry		
Must Use	SI02	1000	**Service Characteristics Qualifier**	**M**	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
			BN: Code for Local Billing Account Number		
Must Use	SI03	234	**Product/Service ID**	**M**	**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 service characteristics		
Not Used	SI05	234	**Product/Service ID**	**X**	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI06	1000	**Service Characteristics Qualifier**	**X**	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI07	234	**Product/Service ID**	**X**	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI08	1000	**Service Characteristics Qualifier**	**X**	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI09	234	**Product/Service ID**	**X**	**AN 1/40**
			Identifying number for a product or service		
Not Used	SI10	1000	**Service Characteristics Qualifier**	**X**	**ID 2/2**
			Code from an industry code list qualifying the type of service characteristics		
Not Used	SI11	234	**Product/Service ID**	**X**	**AN 1/40**

Identifying number for a product or service

Not Used	SI12	1000	**Service Characteristics Qualifier**	X	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

Not Used	SI13	234	**Product/Service ID**	X	**AN 1/40**

Identifying number for a product or service

Not Used	SI14	1000	**Service Characteristics Qualifier**	X	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

Not Used	SI15	234	**Product/Service ID**	X	**AN 1/40**

Identifying number for a product or service

Not Used	SI16	1000	**Service Characteristics Qualifier**	X	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

Not Used	SI17	234	**Product/Service ID**	X	**AN 1/40**

Identifying number for a product or service

Not Used	SI18	1000	**Service Characteristics Qualifier**	X	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

Not Used	SI19	234	**Product/Service ID**	X	**AN 1/40**

Identifying number for a product or service

Not Used	SI20	1000	**Service Characteristics Qualifier**	X	**ID 2/2**

Code from an industry code list qualifying the type of service characteristics

Not Used	SI21	234	**Product/Service ID**	X	**AN 1/40**

Identifying number for a product or service

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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 = ``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. Des.	Data Element	Name	Attributes	
Must Use	PID01	349	**Item Description Type**	M	ID 1/1
			Code indicating the format of a description		
			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 characteristic		
	PID03	559	**Agency Qualifier Code**	X	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
	PID04	751	**Product Description Code**	X	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 elements and their content		
Not Used	PID06	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
	PID07	822	**Source Subqualifier**	O	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**	O	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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Number Qualifier**	M	ID 2/2

Code qualifying the Reference Number.

> BellSouth usage:
> L1 = non-retained

	1Q		Error Identification Code	
			Qualifies a single number that describes an error found in application-level data	
	L1		Letters or Notes	
	SH		Sender Defined Clause	

	Ref. Des.	Data Element	Name	Attributes	
	N902	127	**Reference Number**	X	AN 1/30

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

> If N901 then N902
> 1Q ERROR-CODE
> L1 ORI Order Instructions
> SH STATUS-CODE

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N903	369	**Free-form Description**	X	AN 1/45

Free-form descriptive text

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N904	373	**Date**	O	DT 6/6

Date (YYMMDD)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N905	337	**Time**	X	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

	Ref. Des.	Data Element	Name	Attributes	
Not Used	N906	623	**Time Code**	O	ID 2/2

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

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

	Ref. Des.	Data Element	Name		Attributes
Must Use	MSG01	933	**Free-Form Message Text**	**M**	**AN 1/264**
			Free-form message text		

If N902	then	MSG01
ERROR-CODE		ERROR-MSG: Error Message
ORI		REMARKS: Remarks
STATUS-CODE		STATUS-MSG:Status Message

	Ref. Des.	Data Element	Name		Attributes
Not Used	MSG02	934	**Printer Carriage Control Code**	**O**	**ID 2/2**
			A field to be used for the control of the line feed of 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:	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. Des.	Data Element	Name	Attributes	
Must Use	N101	98	**Entity Identifier Code**	**M**	**ID 2/2**
			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	**Name**	**X**	**AN 1/35**
			Free-form name		
			If N101 then N102		
			78	CCNA: Customer Carrier Name Abbreviation	
			DG	DSGCON: Design/Engrg. Contact	
	N103	66	**Identification Code Qualifier**	**X**	**ID 1/2**
			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**	**X**	**AN 2/20**
			Code identifying a party or other code		
			If N101 & N103 then N104		
			BY 25	CC: Company Code	
Not Used	N105	706	**Entity Relationship Code**	**O**	**ID 2/2**
			Code describing entity relationship		
Not Used	N106	98	**Entity Identifier Code**	**O**	**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. Des.	Data Element	Name	Attributes	
Must Use	PER01	366	**Contact Function Code**	**M**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named		
			BellSouth valid code:		
			AG　　　　Agent		
	PER02	93	**Name**	**O**	**AN 1/35**
			Free-form name		
			If PER01 then PER02		
			AG　　　　INIT: Initiator Identification		
	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
			BellSouth valid code:		
			TE　　　　Telephone		
	PER04	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
			If PER01 & PER03 then PER04		
			AG　　TE　　INIT-TEL NO: Initiator Telephone No.		
Not Used	PER05	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
Not Used	PER06	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	PER07	365	**Communication Number Qualifier**	**X**	**ID 2/2**
			Code identifying the type of communication number		
Not Used	PER08	364	**Communication Number**	**X**	**AN 1/80**
			Complete communications number including country or area code when applicable		
Not Used	PER09	443	**Contact Inquiry Reference**	**O**	**AN 1/20**
			Additional reference number or description to clarify a contact number		

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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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	POC01	350	**Assigned Identification**	**O**	**AN 1/11**
			Alphanumeric characters assigned for differentiation within a transaction set		
			REFNUM		
Must Use	POC02	670	**Change or Response Type Code**	**M**	**ID 2/2**
			Code specifying the type of change to the line item		
			BellSouth valid code:		
			RE Replacement Item		
Not Used	POC03	330	**Quantity Ordered**	**O**	**R 1/9**
			Quantity ordered		
Not Used	POC04	671	**Quantity Left to Receive**	**X**	**R 1/9**
			Quantity left to receive as qualified by the unit of measure		
Not Used	POC05	355	**Unit or Basis for Measurement Code**	**X**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	POC06	212	**Unit Price**	**X**	**R 1/17**
			Price per unit of product, service, commodity, etc.		
Not Used	POC07	639	**Basis of Unit Price Code**	**O**	**ID 2/2**
			Code identifying the type of unit price for an item		
Not Used	POC08	235	**Product/Service ID Qualifier**	**X**	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
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**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	POC11	234	**Product/Service ID**	X	**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 number used in Product/Service ID (234)		
Not Used	POC13	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	POC14	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	POC15	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	POC16	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	POC17	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	POC18	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	POC19	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	POC20	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number 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 number used in Product/Service ID (234)		
Not Used	POC23	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		
Not Used	POC24	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
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 number used in Product/Service ID (234)		
Not Used	POC27	234	**Product/Service ID**	X	**AN 1/40**
			Identifying number for a product or service		

Segment:	**SI** Service Characteristic Identification
Position:	018
Loop:	POC
Level:	Detail
Usage:	Optional
Max Use:	5
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.
Notes:	SI02 through SI21 data segments may be transmitted in pairs as indicated below-- "stacked" or "strung out" in one line--in any order, on any of the five SI segments allotted, as long as the appropriate Service Characteristics Qualifier precedes the Product/Service ID value.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	SI01	559	**Agency Qualifier Code**	M	ID 2/2
			Code identifying the agency assigning the code values		
			BellSouth valid code:		
			TI　　　　　Telecommunications Industry		
Must Use	SI02	1000	**Service Characteristics Qualifier**	M	ID 2/2
			Code from an industry code list qualifying the type of service characteristics		

BellSouth valid qualifiers are listed in here. These qualifiers may be placed in any occurrence of a Service Characteristics Qualifier (1000-type data element) in the SI segment when followed by the appropriate corresponding 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
T5:　Code for Terminal
TN:　Code for Telephone Number

Must Use SI03 234 Product/Service ID M AN 1/40

Identifying number for a product or service

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 SI03

CM	CKR: Customer Circuit Reference
CN	ECCKT: Exchange Company Circuit ID
IT	PORTED #: Ported Number
K1	SYSTEM ID: System 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 service characteristics

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 service characteristics

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 characteristics

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 service characteristics

SI11 234 Product/Service ID X 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 characteristics

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 service characteristics

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 service characteristics

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 type of service characteristics

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 characteristics

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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
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 characteristic		
	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
			A code from an industry code list which provides specific data about a product characteristic		
			CFA: Connecting Facility Assignment		
	PID05	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			If PID04 then PID05		
			CFA CFA: Connecting Facility Assignment		
Not Used	PID06	752	**Surface/Layer/Position Code**	O	ID 2/2
			Code indicating the product surface, layer or position that is being described		
Not Used	PID07	822	**Source Subqualifier**	O	AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier		
Not Used	PID08	1073	**Yes/No Condition or Response Code**	O	ID 1/1
			Code indicating a Yes or No condition or response		

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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:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

BellSouth valid codes:	
9F	Referral Number
A3	Assignment Number

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

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

If REF01 then REF02	
9F	INPORD: Interim Number Portability Order Number
A3	L-ORD: Loop Order Number

	REF03	352	**Description**	X AN 1/80

A free-form description 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.

Data Element Summary

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

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Segment:	**SE** **Transaction 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 segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:	
Semantic Notes:	
Comments:	**1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	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 in Transaction Set Trailer (SE).	

997 Functional Acknowledgment

Functional Group ID=**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.

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
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		

	Segment:	**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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	AK101	479	**Functional Identifier Code**	M	ID 2/2
			Code identifying a group of application related transaction sets		
Must Use	AK102	28	**Group Control Number**	M	N0 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:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	AK201	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
Must Use	AK202	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		

	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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AK301	721	**Segment ID Code**	M 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**	M N0 1/6
			The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	
	AK303	447	**Loop Identifier Code**	O AN 1/4
			The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
	AK304	720	**Segment Syntax Error Code**	O ID 1/3
			Code indicating error found based on the syntax editing of a segment	

	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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AK401	C030	**Position in Segment**	**M**

Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID

	Ref. Des.	Data Element	Name	Attributes	
Must Use	C03001	722	**Element Position in Segment**	**M**	**N0 1/2**

This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID

	Ref. Des.	Data Element	Name	Attributes	
	C03002	1528	**Component Data Element Position in Composite**	**O**	**N0 1/2**

To identify the component data element position within the composite that is in error

| | AK402 | 725 | **Data Element Reference Number** | **O** | **N0 1/4** |

Reference number used to locate the data element in the Data Element Dictionary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	AK403	723	**Data Element Syntax Error Code**	**M**	**ID 1/3**

Code indicating the error found after syntax edits of a data element

| | AK404 | 724 | **Copy of Bad Data Element** | **O** | **AN 1/99** |

This is a copy of the data element in error

	Segment:	**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:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**AK501**	**717**	**Transaction Set Acknowledgment Code**	**M ID 1/1**
			Code indicating accept or reject condition based on the syntax editing of the transaction set	
	AK502	**718**	**Transaction Set Syntax Error Code**	**O ID 1/3**
			Code indicating error found based on the syntax editing of a transaction set	
	AK503	**718**	**Transaction Set Syntax Error Code**	**O ID 1/3**
			Code indicating error found based on the syntax editing of a transaction set	
	AK504	**718**	**Transaction Set Syntax Error Code**	**O ID 1/3**
			Code indicating error found based on the syntax editing of a transaction set	
	AK505	**718**	**Transaction Set Syntax Error Code**	**O ID 1/3**
			Code indicating error found based on the syntax editing of a transaction set	
	AK506	**718**	**Transaction Set Syntax Error Code**	**O ID 1/3**
			Code indicating error found based on the syntax editing of a transaction 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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	AK901	715	**Functional Group Acknowledge Code**	**M**	**ID 1/1**
			Code indicating accept or reject condition based on the syntax editing of the functional group		
Must Use	AK902	97	**Number of Transaction Sets Included**	**M**	**N0 1/6**
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element		
Must Use	AK903	123	**Number of Received Transaction Sets**	**M**	**N0 1/6**
			Number of Transaction Sets received		
Must Use	AK904	2	**Number of Accepted Transaction Sets**	**M**	**N0 1/6**
			Number of accepted Transaction Sets in a Functional Group		
	AK905	716	**Functional Group Syntax Error Code**	**O**	**ID 1/3**
			Code indicating error found based on the syntax editing of the functional group header and/or trailer		
	AK906	716	**Functional Group Syntax Error Code**	**O**	**ID 1/3**
			Code indicating error found based on the syntax editing of the functional group header and/or trailer		
	AK907	716	**Functional Group Syntax Error Code**	**O**	**ID 1/3**
			Code indicating error found based on the syntax editing of the functional group header and/or trailer		
	AK908	716	**Functional Group Syntax Error Code**	**O**	**ID 1/3**
			Code indicating error found based on the syntax editing of the functional group header and/or trailer		
	AK909	716	**Functional Group Syntax Error Code**	**O**	**ID 1/3**
			Code indicating error found based on the syntax editing of the functional group header and/or trailer		

Segment:	**SE** Transaction Set Trailer			
Position:	080			
Loop:				
Level:				
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).			
Syntax Notes:				
Semantic Notes:				
Comments:	1 SE is the last segment of each transaction set.			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
Must Use	SE02	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		

TCIF Service Order Feature Codes

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

FEATURE	TRANSLATED USOC	SOFC DESCRIPTION
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 (last number not rotary)	HTY008	HTGNR	
Preferential	HTY002	HTG	

Series Completion Circular:			
Regular	HTY001	HTG	
Preferential	HTY001	HTG	

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

Multi-Line Grouping Circular	HTY004	HML	CIR/TER XX

EDI Testing Guidelines

For
Competitive Local Exchange Carriers

Prepared by:

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

Table of Contents

BellSouth Local Exchange Ordering Implementation Guide (LEO-IG)   Issue Date: 10/28/1999
Electronic Data Interchange (EDI)   Issue: 7f
Testing Guidelines for Competitive Local Exchange Carriers   Volume: 4

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, sections 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 Committee
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.

BellSouth Local Exchange Ordering Implementation Guide (LEO-IG)   Issue Date: 10/28/1999
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Chapter One -- EDI Testing Guidelines Overview

This introductory chapter provides an overview of the BellSouth EDI testing 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 validate 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 as 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.

Connectivity Testing

CLEC 850 → BST   ·   BST 997 → CLEC
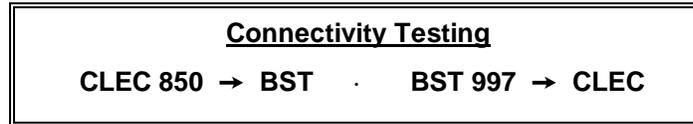
Definition

Connectivity Testing verifies 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 begin.
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 BST of 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™ 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:Direct™ connectivity option, CLEC also completes the CONNECT:Direct™ 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 transaction 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 exit criteria.

Syntax Testing

CLEC 850 → BST	•	BST 997 → CLEC
BST 855 → CLEC	•	CLEC 997 → BST

Definition

Syntax Testing verifies adherence to predetermined structures. Syntax 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. 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 the *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 cases 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

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either accepting or rejecting the test case 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 Purchase 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 proof 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 End-to-End Testing with BST, including entrance and exit criteria.

```
┌─────────────────────────────────────────────────┐
│              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. End-to-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 BST

- 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 Three, must be successfully completed before End-to-End Testing begins.

Procedures

The following list details the End-to-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 Acknowledgment (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 error-free document resulting in an accepted 997 being returned 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 receipt 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:Direct™ Connectivity for EDI

- EDI Testing Agreement.

BellSouth Telecommunications
Local Exchange Ordering

Ð **INITIAL**
Ð **REVISION**
DATE _____

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

Ð CONNECT:Direct™ [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: ____   SEGMENT TERMINATOR to be used: ____

WILL THESE IDS BE USED FOR LNP ORDERS VIA EDI? ð YES ð NO

Note: 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.

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[1] The attached CONNECT:Direct™ Connectivity for 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 Active					CLEC OSS Billing (Monthly System Charges)	
ð GA (SOMGA)	ð AL	ð KY	ð TN	ð SC		
ð NC (SOMNC)	ð MS	ð LA	ð FL		ð CRIS	ð CABS

BellSouth Telecommunications
Local Exchange Ordering

Ð INITIAL
Ð 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 Contact: _____ 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 _____

Ð CONNECT:Direct™   Node Name/ _____

                  User ID/Password _____

EDI IDENTIFIERS FOR TESTING AND PRODUCTION

TESTING Interchange Qualifier/ID[1]: _____ / _____ Group ID [2]: _____

PRODUCTION Interchange Qualifier/ID[2]: _____ / _____ Group ID [3]: _____

ELEMENT DELIMITER to be used: _____   SEGMENT TERMINATOR to be used: _____

---

[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 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.

BellSouth Telecommunications

CONNECT:DIRECT™ CONNECTIVITY FOR EDI

*To be completed by prospective BellSouth Customer licensed by
Sterling Commerce, Inc. to use CONNECT:Directô*

CONTACT INFORMATION   DATE _____

Company: _____ Division: _____

Mailing Address: _____ City: _____ State: ____ Zip: _____

Communications Contact: _____ Phone: _____

Email Address: _____ Fax: _____

At BellSouth, we currently have working solutions with CONNECT:Direct™ trading partners who use the following platforms:

SNA   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   Windows NT   SUN UNIX (in test)

CLEC CONNECT:DIRECT™ 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...***

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