Appointment Reservation Transaction Cycle

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8. Appointment Reservation Transaction Cycle

8.1 Business Description

An Appointment Reservation is needed whenever dispatch is required to install equipment or facilities as a result of a customer request (i.e., inside customer premises installation), as indicated in the Facility Availability Response. This transaction provides the CLEC with the ability to check the availability of the time slots of Qwest installation workforce using the current system's date or by specifying a date, as well as to reserve any of the available time slots. After the CLEC submits the Appointment Availability Query (AAQ), they will receive an Appointment Availability Response (AAR) with a pre-reserved appointment. The CLEC is not required to submit an Appointment Selection Query (ASQ) to use the pre-reserved appointment.

An ASQ is required if the CLEC wants a different appointment than the one pre-reserved. The CLEC must submit an LSR with the corresponding PON and Reservation Number (obtained from the AAR or the ASR) within 24 business hours of the (ASR) or the reservation will be canceled.

The appointment process provides CLECs the ability to reserve an appointment date and time when a technician needs to be dispatched for premises and/or non-premises work. The CLEC will use the appointment process if the facility availability response has indicated that a dispatch is necessary. Typically, appointments may be required when the request is for a new line installation or when other physical work is needed at either the wire center or the end user's premises As a rule the CLEC should attempt to use the Appointment Scheduler function to reserve an appointment date and time. If the desired appointment date and time are not available, the LSR can be submitted with an APPCON value of "override". This 'override' value will bypass the new Appointment Scheduler functionality. Once an appointment has been reserved, the CLEC has a limited amount of time (currently 24 business hours) in which the appointment may be included on a request for service. If this time limit is exceeded, the appointment reservation expires, and the CLEC would receive an error when the request for service is submitted to IMA. The CLEC is also expected to send in the request for service with the appointment information at least 24 business hours before the start time of the appointment. Failure to do so would also result in an error when the request for service is submitted to IMA. In pre-order, the CLEC may change the existing appointment by following the availability and selection (AAQ and ASQ) process described above. New appointments will be issued a new confirmation number.

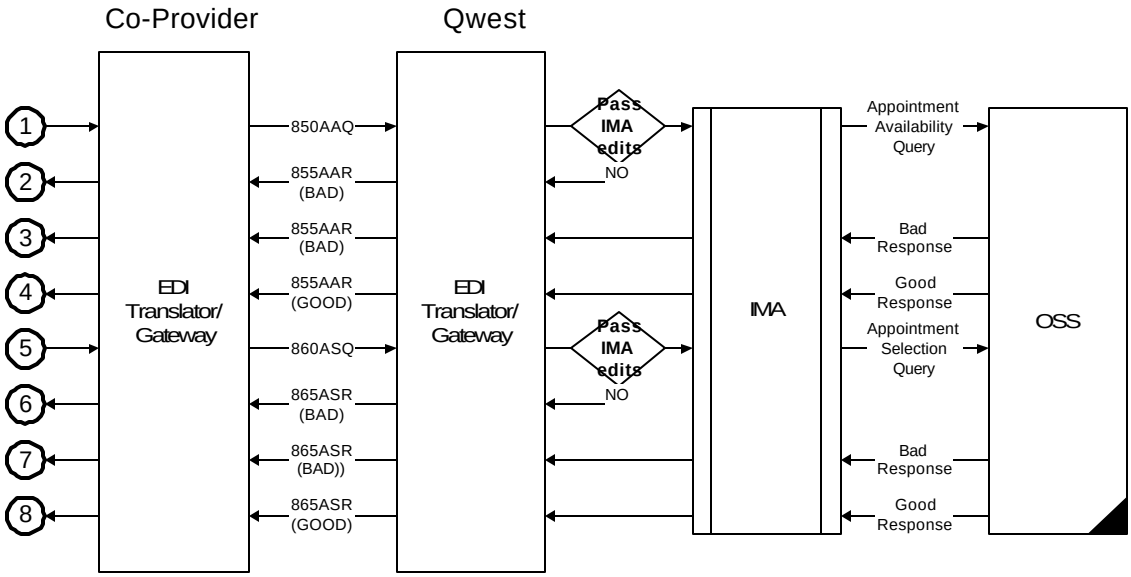
In pre-order, only one appointment is allowed per CCNA/PON. If an appointment was reserved in pre-order, then the CCNA/PON on the request for service must match the CCNA/PON used in pre-order. IMA will track this appointment throughout the life of the request for service, if it is reserved through IMA. In the pre-order process an LSR can be submitted In order, multiple appointments are allowed per CCNA/PON using supplementals, which allow the CLEC to reserve a new appointment when they need to make changes on the original request for service.

8.2 Business Model

Appointment Scheduling

An Appointment Schedule Assignment is needed whenever dispatch is required to install equipment or facilities as a result of a customer request. This transaction provides the Co-Provider the ability to check availability of time slots for the Qwest installation workforce, as well as to reserve a time slot.

Appointment Scheduling



1. The Co-Provider submits an 850AAQ, Appointment Availability Query, to Qwest. A PON is needed for this query.

2. If the 850AAQ fails the IMA edits, 855AAR (BAD) will be returned.

   If the 850AAQ passes the IMA edits, the query will be sent to the Appointment Scheduling System. The System will respond with one of two conditions: BAD or GOOD. A third condition, 'MIXED', is not valid for a new appointment query.

3. 855AAR (BAD) will be returned when the Appointment Availability Query encounters an error(s) in the Appointment Scheduling System.

4. An 855AAR (GOOD) will be returned with a list of appointment time slots. One pre-reserved appointment time slot is included on the AAR. If this appointment is satisfactory, no further action is required.

5. Within a configurable amount of time, currently set to 30 minutes of the receipt of an 855AAR (GOOD), the Co-Provider must submit an 860ASQ, if an appointment other than the pre-reserved appointment is desired.

6. If the 860ASQ fails the IMA edits, 865ASR (BAD) will be returned. If the 860ASQ passes the IMA edits, the query will be sent to the Appointment Scheduling System. The System will respond with one of the two conditions: BAD or GOOD.

7. 865ASR (BAD) will be returned when the Appointment Selection Query encounters an error(s) in the Appointment Scheduling System. For example, if the time slot selected is no longer available, an error will be returned with 865ASR (BAD).

8. An 865ASR (GOOD) will be returned when the appointment requested is scheduled in the Appointment Scheduling System. A confirmation number, INQRES NBR, will be returned with the 865ASR (GOOD). This number needs to be referenced on the corresponding Local Service Request in the APT CON field. The Local Service Request must be issued within the pre-determined time frame (currently set at 24 business hours) either after the 865ASR (GOOD) is received by the Co-Provider or before the start time of the appointment, whichever is earlier.

8.3 Developer Worksheets

See Appendix A - Developer Worksheets - PreOrder

8.4 Trading Partner Access Information

PRE-ORDER FUNCTION	PRODUCT ID
Appointment Availability Query	850AAQ
Appointment Availability Response	855AAR
Appointment Selection Query	860ASQ
Appointment Selection Response	865ASR

8.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

Separate maps have been created per pre-ordering function. EDI envelopes are used for the initiation of translation processing and to invoke the correct map. In order to optimize interactive performance, the Co-Provider and Qwest agree to include only one transaction set per Functional Group, and one Functional Group per Interchange.

The Interchange envelope provides the Interchange Sender ID and Receiver ID information for EDI transport to deliver the transmission for external routing. The Functional Group Envelope routes the enclosed transaction set's output after translation to a specific application or application interface.

The Application Sender's Code (GS02) and Receiver's Code (GS03) are the linkage from the Functional Group Envelope to the translator's trading partner profile/relationship database in which the proper mapping and routing information are stored. In addition, the Functional Identifier Code (GS01) is the code identifying a group application related transaction sets.

8.4.2 ISA TABLE INFORMATION

ANSI X12 ISA and IEA definitions:

- The ISA segment is the Interchange Control Header.
  Purpose: To start and identify an interchange of zero or more functional groups and interchange related control segments.
- The IEA segment is the Interchange Control Trailer.
  Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments.

The Co-Provider and Qwest agree to the following routing information:

	SENT TO Qwest	RECEIVED FROM Qwest
ISA01	***'00'*** *(No Authorization information present)*	***'00'*** *(No Authorization information present)*
ISA02	***Spaces*** *(Authorization information)*	***Spaces*** *(Authorization information)*
ISA03	***'00'*** *(No Security information is present)*	***'00'*** *(No Security information is present)*
ISA04	***Spaces*** *(Security Information)*	***Spaces*** *(Security information)*
ISA05	*Co-Provider TP qualifier*	***'ZZ'*** *(Mutually Defined)*
ISA06	*Co-Provider TP ID*	***'QWESTP'*** *(Note: This Trading partner ID*

		is used only for Pre-order QWEST transactions. The "P" is the unique identifier.)
ISA07	***'ZZ'** (Mutually Defined)*	*Co-Provider TP qualifier*
ISA08	***'QWESTP'** (Note: This Trading partner ID is used only for Pre-order QWEST transactions. The "P" is the unique identifier.)*	*Co-Provider TP ID*
ISA09	*Date of the interchange. YYMMDD*	*Date of the interchange. YYMMDD*
ISA10	*Time of the interchange. HHMM (24 Hour Clock)*	*Time of the interchange. HHMM (24 Hour Clock)*
ISA11	***'U'** (U.S. EDI Community of ASC X-12, TDCC, and UCS)*	***'U'** (U.S. EDI Community of ASC X-12, TDCC, and UCS)*
ISA12	***'00402'** (Interchange Version ID)*	***'00402'** (Interchange Version ID)*
ISA13	*Sender's translator assigned sequential control number*	*Sender's translator assigned sequential control number*
ISA14	***'0'** (No acknowledgment requested)*	***'0'** (No acknowledgment requested*
ISA15	***'P'** (Production data)*	***'P'** (Production data)*
ISA16	***'0x1f'** (Sub-element Separator)*	***'0x1f'** (Sub-element Separator)*

8.4.3 GS TABLE INFORMATION

ANSI X12 GS and GE segment definitions:

- The GS segment is the Functional Group Header.
  Purpose: To indicate the beginning of a functional group and provide control information.
- The GE segment is the Functional Group Trailer.
  Purpose: To indicate the end of a functional group and provide control information.

The Co-Provider and Qwest agree to the following routing information:

	SENT TO Qwest	**RECEIVED FROM Qwest**
GS01	***SEE GS TABLE BELOW***	***SEE GS TABLE BELOW***
GS02	*Co-Provider TP ID*	***SEE GS TABLE BELOW***
GS03	***SEE GS TABLE BELOW***	*Co-Provider TP ID*
GS04	*Date of the functional group. CCYYMMDD*	*Date of the functional group. CCYYMMDD*
GS05	*Time of the functional group. HHMM (24 hour clock)*	*Time of the functional group. HHMM (24 hour clock)*
GS06	*Sender's translator assigned sequential control number*	*Sender's translator assigned sequential control number*
GS07	***'X'** (Accredited Standards Committee X-12)*	***'X'** (Accredited Standards Committee X-12)*
GS08	***'004020'** (Version)*	***'004020'** (Version)*

GS TABLE:

PRE ORDERING FUNCTION	Qwest SEND/ RECEIVE	DOCUMENT	GS01 VALUE	GS02 VALUE	GS03 VALUE
Appointment Availability Query	Receive	850AAQ	PO	*Co-Provider TP ID*	**AA90**
Appointment Availability Response	Send	855AAR	PR	**AA90**	*Co-Provider TP ID*
Appointment Selection Query	Receive	860ASQ	PC	*Co-Provider TP ID*	**AS90**
Appointment Selection Response	Send	865ASR	CA	**AS90**	*Co-Provider TP ID*

8.4.4 MAPPING EXAMPLE AND DATA DICTIONARY ITEMS

Purchase Order (PO) Date

The Purchase Order (PO) Date is an ANSI ASC X12 mandatory field. The sender is expected to populate this field, Qwest however, will not map this date into the application file. For outbound transactions Qwest will populate this field with a date. This date is only used to satisfy ANSI ASC X12 standards and should not be used by the Co-Provider.

Time Code

The Developer Worksheet time code fields of every transaction (i.e., D/T SENT) is assumed as follows:

- Transaction set(s) originating from the Co-Provider - time code should be consistent with your time zone.
- Transaction set(s) originating at Qwest - time code is Mountain Time.

4020 Exceptions

Transaction sets 850, 855, 860 and 865 are used with the following exception:

- SLN loop maximum use has been changed to >1

Delimiters

The following delimiters will be used:

- Element Separator: HEX 7C = | (vertical bar or pipe)
- Sub-Element Separator: HEX 1F = (non-printable characters of “0x1f”)
- Segment Separator: HEX 0A = linefeed

8.5 Mapping Examples

8.5.1 850 APPOINTMENT AVAILABILITY QUERY (850AAQ) – Version 4020

Legend of Symbols in this transaction example

Symbol/Definition	Example
{ } = Valid Format	{CCYYMMDD}
Bold/Italics = DWS Element	***PON***
Superscript = Developer's Worksheet Ref # DWS used in this mapping example: AAQ = Appointment Availability Query AAR = Appointment Availability Response ASQ = Appointment Selection Query ASR = Appointment Selection Response	AAR-2
Italics = Literal	*GOOD*
Underline = Apply code conversion, used with ***Bold/Italics*** .Code conversion tables can be found in the data dictionary of this disclosure.	***ACT***
[ ] = Segment notes for this line	[SI Segment repeats …]
( ) = Element notes for this line	(This element states …)
N	Counter 1…n
* = Element separator in this example and related data dictionary.	| = Actual element separator in an EDI transaction.
> = Sub-element separator in this example and related data dictionary.	non-printable characters of "0x1f" = Actual sub-element separator in an EDI transaction.

ST*850*TRAN SET CONTROL #
BEG*28*IN***TXNUM***AAQ-2*****PO Date (See Trading Partner Access Information)
REF*PO***PON***AAQ-6*
DTM*097***D/TSENT***{CCYYMMDD}*AAQ-3****D/TSENT***{HHMM}*AAQ-3*
SI*TI*IR***TXACT***AAQ-5*IQ***TXTYP***AAQ-4*SA***APPTACT***AAQ-7*TY***TOS***AAQ-9*
N1*78***CCNA***AAQ-1*
N1*BY**25***CC***AAQ-8*

SUBSCRIBER

PO1*n*1*EA***ZZ**AAQ*
SI*TI*TN***WTN*** AAQ-33
SI*TI*RQ***REQNUM*** AAQ-29
SI*TI*NC***NC***AAQ-41*
DTM*211***APPRD***AAQ-10*
QTY*02***JACKNUM*** AAQ-30**UN*
QTY*02***USOCNUM*** AAQ-31**EA*
SLN**USOCNUM**n*O*1*****EA*
SI*TI*SC***OTHERUSOCS***AAQ-32 [SI Segment repeats ***USOCNUM***AAQ-31 times]

CTT*Number of PO1 Segments
SE*Number of Segments*TRAN SET CONTROL #

8.5.2 855 APPOINTMENT AVAILABILITY RESPONSE (855AAR) – Version 4020

ST*855*TRAN SET CONTROL #
BAK*11*AT*_**TXNUM**_[AAR-3]*PO Date (See Trading Partner Access Information)
REF*PO*_**PON**_[AAR-7]
DTM*097*_**D/TSENT**_{CCYYMMDD}[AAR-4]*_**D/TSENT**_{HHMM}[AAR-4]
SI*TI*IR*_**TXACT**_[AAR-6]*IQ*_**TXTYP**_[AAR-5]*SA*_**APPTACT**_[AAR-9]
N1*78*_**CCNA**_[AAR-1]
N1*BY**25*_**CC**_[AAR-2]

BAD

PO1*n*1*EA***ZZ*_*BAD*_ [PO1 Loop will be used if _**RESPONSE**_[AAR-8] = ”B”]
ACK*IR**********TI*_*APPOINTMENT*_**RESPONSE**_[AAR-8]
QTY*03*_**ERRNUM**_[AAR-20]*EA
N9*1Q*_**ERRCODE**_[AAR-21]*_*ERR*_ [N9 Loop repeats _**ERRNUM**_[AAR-20] times]
MTX**_**ERRMESG**_[AAR-22]GOOD

GOOD

PO1*n*1*EA***ZZ*_*GOOD*_ [PO1 Loop will be used if _**RESPONSE**_[AAR-8] = “G”]
PAM*31*_**NONPREM**_[AAR-10]*MJ
PAM*27*_**PREM**_[AAR-11] *MJ
PAM*FT*_**TOTAL**_[AAR-12]*MJ
REF*IX*_**INQRES NBR**_[AAR-16]*_*INQRES NBR*
DTM*211*_**COMPDATE**_{CCYYMMDD}[AAR-17]***TM*_**COMPTIME**_{HHMM}[AAR-18]
DTM*211*_**COMPDATE**_{CCYYMMDD}[AAR-17]***RTM*_**ABTIME**_{HHMM-HHMM}[AAR-19]
ACK*IA**********TI*_*APPOINTMENT*_**RESPONSE**_[AAR-8]
QTY*1K*_**NUMSLOTS**_[AAR-13]_*****_EA
SLN*_*AVAILSLOT*_ *n*O*1*EA [SLN Loop repeats _**NUMSLOTS**_[AAR-13] times]
PID*S**TI*AO***SO-RSQ*_**AVAILIND**_[AAR-14]
DTM*150*_**APPTSLOT**_{CCYYMMDD}[AAR-15]***TM/RTM*_**APPTSLOT**_{HHMM [-HHMM]}[AAR-15]

CTT*Number of PO1 Segments
SE*Number of Segments*TRAN SET CONTROL #

8.5.3 860 APPOINTMENT AVAILABILITY SELECTION QUERY (860ASQ) – Version 4020

ST*860*TRAN SET CONTROL #
BCH*28*IN**_TXNUM_**[ASQ-2]***PO Date (See Trading Partner Access Information)
REF*PO**_PON_**[ASQ-6]
DTM*097**_D/TSENT_**{CCYYMMDD}[ASQ-3]**_D/TSENT_**{HHMM}[ASQ-3]
SI*TI*IR**_TXACT_**[ASQ-5]*IQ**_TXTYP_**[ASQ-4]
N1*78**_CCNA_**[ASQ-1]
N1*BY**25**_CC_**[ASQ-7]

POC*n*RZ******ZZ**APPTSE*
DTM*211**_APPRD_** {CCYYMMDD}[ASQ-9]***TM**_COMPTIME_**{HHMM}[ASQ-10]
DTM*211**_APPRD_** {CCYYMMDD}[ASQ-9]***RTM**_ABTIME_**{HHMM-HHMM}[ASQ-11]

CTT*Number of POC Segments
SE*Number of Segments*TRAN SET CONTROL #

8.5.4 865 APPOINTMENT AVAILABILITY SELECTION RESPONSE (865ASR) – Version 4020

ST*865*TRAN SET CONTROL #
BCA*11*AT***TXNUM***[ASR-2]***PO Date (See Trading Partner Access Information)
REF*PO***PON***[ASR-6]
DTM*097***D/TSENT***{CCYYMMDD}[ASR-3]***D/TSENT***{HHMM}[ASR-3]
SI*TI*IR***TXACT***[ASR-5]*IQ***TXTYP***[ASR-4]
N1*78***CCNA***[ASR-1]
N1*BY**25***CC***[ASR-8]

BAD

POC*n*RZ******ZZ**BAD* [POC Loop will be used if ***RESPONSE***[ASR-7] = ”B”]
ACK*IR**********TI**APPOINTMENT****RESPONSE***[ASR-7]
QTY*03***ERRNUM***[ASR-13]*EA
N9*1Q***ERRCODE***[ASR-14]****ERR* [N9 Loop repeats ***ERRNUM***[ASR-13] times]

MTX****ERRMESG*[ASR-15]GOOD

POC*n*RZ******ZZ**GOOD* [POC Loop will be used if ***RESPONSE***[ASR-7] = “G”]
REF*IX****INQRES NBR***[ASR-9]**INQRES NBR*
DTM*211***COMPDATE***{CCYYMMDD}[ASR-10]***RTM****ABTIME***{HHMM-HHMM}[ASR-12]
DTM*211***COMPDATE***{CCYYMMDD}[ASR-10]***TM****COMPTIME***{HHMM}[ASR-11]
ACK*IA**********TI**APPOINTMENT****RESPONSE***[ASR-7]

CTT*Number of POC Segments
SE*Number of Segments*TRAN SET CONTROL #

8.6 Data Dictionary

8.6.1 Appointment Availability Query (850AAQ)

Functional Group ID=PO

Introduction:

The 850AAQ will be used by the Co-Provider to initiate an Appointment Availability Query to Qwest.

This implementation guideline is based on the following:
ANSI ASC X12 Version 4020

Notes:

This 850 Transaction includes the mapping for Appointment Availability Query.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BEG	Beginning Segment for Purchase Order	M	1		
	0500	REF	Reference Identification	O	>1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		
			LOOP ID - N1			200	
	3100	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data - Subscriber	M	1		n1
	0180	SI	Service Characteristic Identification	O	>1		
	2100	DTM	Date/Time Reference	O	10		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	O	1		
			LOOP ID - QTY			>1	
	2930	QTY	Quantity	O	1		

			LOOP ID - SLN			>1	
	4700	SLN	Subline Item Detail	O	1		
	4800	SI	Service Characteristic Identification	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		n2
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.

2. 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.

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
Comments:
Notes: ST*850*TRAN SET CONTROL #

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 850 Purchase Order	**M**	**ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN 4/9**

Segment: **BEG** **Beginning Segment for Purchase Order**
Position: 0200
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:
Notes: BEG*28*IN*TXNUM(AAQ-2)**PO Date(See Trading Partner Access Information)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**BEG01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 28 Query	**M**	**ID 2/2**
M	**BEG02**	**92**	**Purchase Order Type Code** Code specifying the type of Purchase Order IN Information Copy	**M**	**ID 2/2**
M	**BEG03**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser TXNUM(AAQ-2) = Transaction Number	**M**	**AN 1/22**
M	**BEG05**	**373**	**Date** Date expressed as CCYYMMDD PO Date = Purchase Order Date(See Trading Partner Access Information)	**M**	**DT 8/8**

Segment: **REF** **Reference Identification**
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*PO*PON(AAQ-6)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification PO Purchase Order Number		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier PON(AAQ-6) = Purchase Order Number		

Segment: **DTM** **Date/Time Reference**
Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*097*D/TSENT{CCYYMMDD}(AAQ-3)*D/TSENT{HHMM}(AAQ-3)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 097 Transaction Creation	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD D/TSENT(AAQ-3) = Date Sent	**X**	**DT 8/8**
	DTM03	**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) D/TSENT{HHMM}(AAQ-3) = Time Sent	**X**	**TM 4/8**

Segment: **SI** **Service Characteristic Identification**
Position: 1850
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes: SI*TI*IR*TXACT(AAQ-5)*IQ*TXTYP(AAQ-4)*SA*APPTACT(AAQ-7)*TY*TOS(AAQ-9)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**SI01**	**559**	**Agency Qualifier Code**	**M**	**ID 2/2**
			Code identifying the agency assigning the code values TI Telecommunications Industry		
M	**SI02**	**1000**	**Service Characteristics Qualifier**	**M**	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics IR Inquiry Activity		
M	**SI03**	**234**	**Product/Service ID**	**M**	**AN 1/48**
			Identifying number for a product or service TXACT(AAQ-5) = Transaction Activity		
	SI04	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics IQ Inquiry Type		
	SI05	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service TXTYP(AAQ-4) = Transaction Type		
	SI06	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**
			Code from an industry code list qualifying the type of service characteristics SA Service Activity Code		
	SI07	**234**	**Product/Service ID**	**X**	**AN 1/48**
			Identifying number for a product or service APPTACT(AAQ-7) = Appointment Activity		
	SI08	**1000**	**Service Characteristics Qualifier**	**X**	**AN 2/2**

		Code from an industry code list qualifying the type of service characteristics TY Type of Service		
SI09	**234**	**Product/Service ID** Identifying number for a product or service TOS(AAQ-9) = Type of Service	**X**	**AN 1/48**

Segment: **N1** **Name**
Position: 3100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*78*CCNA(AAQ-1)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual 78 Service Requester		
	N102	**93**	**Name**	**X**	**AN 1/60**
			Free-form name CCNA(AAQ-1) = Customer Carrier Name Abbreviation		

Segment: **N1** **Name**
Position: 3100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*BY**25*CC(AAQ-8)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	**M**	**ID 2/3**	
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 25 Carrier's Customer Code	**X**	**ID 1/2**	
	N104	**67**	**Identification Code** Code identifying a party or other code CC(AAQ-8) = Company Code	**X**	**AN 2/80**	

Segment: **PO1** **Baseline Item Data - Subscriber**
Position: 0100
Loop: PO1 Mandatory
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 Element Dictionary for a complete list of IDs.
2 PO101 is the line item identification.
3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: PO1*n*1*EA***ZZ*AAQ

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within PO1 Loop	**O AN 1/20**
PO102	**330**	**Quantity Ordered** Quantity ordered 1 Always One	**X R 1/15**
PO103	**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	**O ID 2/2**
PO106	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	**X ID 2/2**
PO107	**234**	**Product/Service ID** Identifying number for a product or service "AAQ"	**X AN 1/48**

Segment: **SI** **Service Characteristic Identification**
Position: 0180
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes:
SI*TI*TN*WTN(AAQ-33)
SI*TI*RQ*REQNUM(AAQ-29)
SI*TI*NC*NC(AAQ-41)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**SI01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**
M	**SI02**	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics NC Network Channel Code RQ Requested Number TN Telephone Number	**M**	**AN 2/2**
M	**SI03**	**234**	**Product/Service ID** Identifying number for a product or service WTN(AAQ-33) = Working Telephone Number REQNUM(AAQ-29) = Requested Number NC(AAQ-41) = Network Channel Code	**M**	**AN 1/48**

Segment: **DTM** **Date/Time Reference**
Position: 2100
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*211*APPRD(AAQ-10)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 211 Service Requested When warranty repair service was requested	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD APPRD(AAQ-10) = Appointment Request Date	**X**	**DT 8/8**

Segment: **QTY** **Quantity**
Position: 2930
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*02*JACKNUM(AAQ-30)*UN

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			Code specifying the type of quantity 02 Cumulative Quantity		
	QTY02	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity JACKNUM(AAQ-30) = Number of Jacks		
	QTY03	**C001**	**Composite Unit of Measure**	**O**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken UN Unit		

Segment: **QTY** **Quantity**
Position: 2930
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*02*USOCNUM(AAQ-31)*EA

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			Code specifying the type of quantity 02 Cumulative Quantity		
	QTY02	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity USOCNUM(AAQ-31) = USOC Number		
	QTY03	**C001**	**Composite Unit of Measure**	**O**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each		

Segment: **SLN** **Subline Item Detail**
Position: 4700
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes:
1 If either SLN04 or SLN05 is present, then the other is required.
2 If SLN07 is present, then SLN06 is required.
3 If SLN08 is present, then SLN06 is required.
4 If either SLN09 or SLN10 is present, then the other is required.
5 If either SLN11 or SLN12 is present, then the other is required.
6 If either SLN13 or SLN14 is present, then the other is required.
7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:
1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: SLN*USOCNUM*n*O*1*EA

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**SLN01**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "USOCNUM"	**M**	**AN 1/20**
	SLN02	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop	**O**	**AN 1/20**
M	**SLN03**	**662**	**Relationship Code** Code indicating the relationship between entities O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute	**M**	**ID 1/1**

			WATS calculation based upon usage amounts)			
	SLN04	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity			
			1 Always One			
	SLN05	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			EA Each			

Segment: **SI** **Service Characteristic Identification**
Position: 4800
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes: SI*TI*SC*OTHERUSOCS(AAQ-32) [SI Segment repeats USOCNUM(AAQ-31) times]

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**SI01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**
M	**SI02**	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics SC Service Category	**M**	**AN 2/2**
M	**SI03**	**234**	**Product/Service ID** Identifying number for a product or service OTHERUSOCS(AAQ-32) = Other Work Required USOC	**M**	**AN 1/48**

Segment: **CTT** **Transaction Totals**
Position: 0100
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: CTT*Number of PO1 segments

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M**	**N0 1/6**

Segment: **SE** **Transaction Set Trailer**
Position: 0300
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.
Notes: SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M**	**N0 1/10**
M **SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN 4/9**

8.6.2 855 Appointment Availability Response (855AAR)

Functional Group ID=PR

Introduction:

The 855AAR will be used by Qwest to respond to an Appointment Availability Query from the Co-Provider.

This implementation guideline is based on the following:
ANSI ASC X12 Version 4020

Notes:

This 855 Transaction includes the mapping for Appointment Availability Response.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1		
	0500	REF	Reference Identification	O	>1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
	0100	PO1	Baseline Item Data - BAD	O	1		n1
			LOOP ID - ACK			104	
	2700	ACK	Line Item Acknowledgment	O	1		
			LOOP ID - QTY			>1	
	3000	QTY	Quantity	O	1		
			LOOP ID - N9			1000	
	3500	N9	Reference Identification	O	1		
	3600	MTX	Text	O	>1		
			LOOP ID - PO1			100000	
	0100	PO1	Baseline Item Data - GOOD	O	1		n2
	0450	PAM	Period Amount	O	10		

	1000	REF	Reference Identification	O	>1		
	2000	DTM	Date/Time Reference	O	10		
			LOOP ID - ACK			104	
	2700	ACK	Line Item Acknowledgment	O	1		
			LOOP ID - QTY			>1	
	3000	QTY	Quantity	O	1		
			LOOP ID - SLN			>1	
	4900	SLN	Subline Item Detail	O	1		
	5100	PID	Product/Item Description	O	1000		
	5500	DTM	Date/Time Reference	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		n3
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. PO102 is required.
3. 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.

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
Comments:
Notes: ST*855*TRAN SET CONTROL #

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set 855 Purchase Order Acknowledgment	**M**	**ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN 4/9**

Segment: **BAK** **Beginning Segment for Purchase Order Acknowledgment**
Position: 0200
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:
Notes: BAK*11*AT*TXNUM(AAR-3)*PO Date (See Trading Partner Access Information)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**BAK01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 11 Response	**M**	**ID 2/2**
M	**BAK02**	**587**	**Acknowledgment Type** Code specifying the type of acknowledgment AT Accepted	**M**	**ID 2/2**
M	**BAK03**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser TXNUM(AAR-3) = Transaction Number	**M**	**AN 1/22**
M	**BAK04**	**373**	**Date** Date expressed as CCYYMMDD PO Date = Purchase Order Date (See Trading Partner Access Information)	**M**	**DT 8/8**

Segment: **REF** **Reference Identification**
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*PO*PON(AAR-7)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification PO Purchase Order Number		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier PON(AAR-7) = Purchase Order Number		

Segment: **DTM** **Date/Time Reference**
Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*097*D/TSENT{CCYYMMDD}(AAR-4)*D/TSENT{HHMM}(AAR-4)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 097 Transaction Creation	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD D/TSENT(AAR-4) = Date Sent	**X**	**DT 8/8**
	DTM03	**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) D/TSENT{HHMM}(AAR-4) = Time Sent	**X**	**TM 4/8**

Segment: **SI** **Service Characteristic Identification**
Position: 1850
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments: **1** SI01 defines the source for each of the service characteristics qualifiers.
Notes: SI*TI*IR*TXACT(AAR-6)*IQ*TXTYP(AAR-5)*SA*APPTACT(AAR-9)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**SI01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**
M	**SI02**	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics IR Inquiry Activity	**M**	**AN 2/2**
M	**SI03**	**234**	**Product/Service ID** Identifying number for a product or service TXACT(AAR-6) = Transaction Activity	**M**	**AN 1/48**
	SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics IQ Inquiry Type	**X**	**AN 2/2**
	SI05	**234**	**Product/Service ID** Identifying number for a product or service TXTYP(AAR-5) = Transaction Type	**X**	**AN 1/48**
	SI06	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics SA Service Activity Code	**X**	**AN 2/2**
	SI07	**234**	**Product/Service ID** Identifying number for a product or service APPTACT(AAR-9) = Appointment Activity	**X**	**AN 1/48**

Segment: **N1** **Name**
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*78*CCNA(AAR-1)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 78 Service Requester	**M**	**ID 2/3**
	N102	**93**	**Name** Free-form name CCNA(AAR-1) = Customer Carrier Name Abbreviation	**X**	**AN 1/60**

Segment: **N1** **Name**
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*BY**25*CC(AAR-2)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	**M**	**ID 2/3**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 25 Carrier's Customer Code	**X**	**ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code CC(AAR-2) = Company Code	**X**	**AN 2/80**

Segment: **PO1** **Baseline Item Data - BAD**
Position: 0100
Loop: PO1 Optional
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 Element Dictionary for a complete list of IDs.
2 PO101 is the line item identification.
3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: PO1*n*1*EA***ZZ*BAD [PO1 Loop will be used if RESPONSE(AAR-8) = "B"]

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within PO1 Loop	**O AN 1/20**
PO102	**330**	**Quantity Ordered** Quantity ordered 1 Always One	**X R 1/15**
PO103	**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	**O ID 2/2**
PO106	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	**X ID 2/2**
PO107	**234**	**Product/Service ID** Identifying number for a product or service "BAD"	**X AN 1/48**

Segment: **ACK** **Line Item Acknowledgment**
Position: 2700
Loop: ACK Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes: ACK*IR**********TI*APPOINTMENT*RESPONSE(AAR-8)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**ACK01**	**668**	**Line Item Status Code** Code specifying the action taken by the seller on a line item requested by the buyer IR Item Rejected	**M**	**ID 2/2**
	ACK27	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**X**	**ID 2/2**
	ACK28	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier "APPOINTMENT"	**X**	**AN 1/15**
	ACK29	**1271**	**Industry Code** Code indicating a code from a specific industry code list RESPONSE(AAR-8) = Response	**X**	**AN 1/30**

Segment: **QTY** **Quantity**
Position: 3000
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*03*ERRNUM(AAR-20)*EA

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			Code specifying the type of quantity		
			03 Discreet Quantity - Rejected Material		
	QTY02	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
			ERRNUM(AAR-20) = Number of Errors		
	QTY03	**C001**	**Composite Unit of Measure**	**O**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			EA Each		

Segment: **N9** **Reference Identification**
Position: 3500
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*1Q*ERRCODE(AAR-21)*ERR [N9 Loop repeats ERRNUM(AAR-20) times]

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
M **N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 1Q Error Identification Code Qualifies a single number that describes an error found in application-level data	**M**	**ID 2/3**
N902	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ERRCODE(AAR-21) = Error Code	**X**	**AN 1/30**
N903	**369**	**Free-form Description** Free-form descriptive text "ERR"	**X**	**AN 1/45**

Segment: **MTX** **Text**
Position: 3600
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:
1 If MTX01 is present, then MTX02 is required.
2 If MTX03 is present, then MTX02 is required.
3 If MTX05 is present, then MTX04 is required.
Semantic Notes:
1 MTX05 is the number of lines to advance before printing.
Comments:
1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes: MTX**ERRMESG(AAR-22)

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
MTX02	**1551**	**Message Text** To transmit large volumes of message text ERRMESG(AAR-22) = Error Message	**X**	**AN 1/4096**

Segment: **PO1** **Baseline Item Data - GOOD**
Position: 0100
Loop: PO1 Optional
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 Element Dictionary for a complete list of IDs.
2 PO101 is the line item identification.
3 PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: PO1*n*1*EA***ZZ*GOOD [PO1 Loop will be used if RESPONSE(AAR-8) = "G"]

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
PO101	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within PO1 Loop	**O AN 1/20**
PO102	**330**	**Quantity Ordered** Quantity ordered 1 Always One	**X R 1/15**
PO103	**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	**O ID 2/2**
PO106	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	**X ID 2/2**
PO107	**234**	**Product/Service ID** Identifying number for a product or service "GOOD"	**X AN 1/48**

Segment: **PAM** **Period Amount**
Position: 0450
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To indicate a quantity, and/or amount for an identified period
Syntax Notes:
1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
2 At least one of PAM02 PAM05 or PAM14 is required.
3 If either PAM04 or PAM05 is present, then the other is required.
4 If either PAM06 or PAM07 is present, then the other is required.
5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
6 If PAM07 is present, then PAM06 is required.
7 If PAM08 is present, then PAM07 is required.
8 If PAM09 is present, then PAM07 is required.
9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
10 If PAM11 is present, then PAM10 is required.
11 If either PAM13 or PAM14 is present, then the other is required.
Semantic Notes:
1 PAM10, PAM11, or PAM12 are used when two dates are required.
2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.
Comments:
Notes:
PAM*31*NONPREM(AAR-10)*MJ
PAM*27*PREM (AAR-11)*MJ
PAM*FT*TOTAL (AAR-12)*MJ

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
	PAM01	**673**	**Quantity Qualifier**	**X**	**ID 2/2**
			Code specifying the type of quantity		
			27 Committed Quantity		
			31 Additional Demand Quantity		
			FT Forecast to Complete		
	PAM02	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity		
			NONPREM(AAR-10) = Non Premises Work Time PREM(AAR-11) = Premises Work Time TOTAL(AAR-12) = Total Non Premises/Premises Work Time		
	PAM03	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
			MJ Minutes		

Segment: **REF** **Reference Identification**
Position: 1000
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*IX*INQRES NBR(AAR-16)*INQRES NBR

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification IX Item Number	**M**	**ID 2/3**
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier INQRES NBR(AAR-16) = Inquiry Response Number	**X**	**AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content "INQRESNBR"	**X**	**AN 1/80**

Segment: **DTM** **Date/Time Reference**
Position: 2000
Loop: PO1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*211*COMPDATE{CCYYMMDD}(AAR-17)***TM*COMPTIME{HHMM}(AAR-18)

DTM*211*COMPDATE{CCYYMMDD}(AAR-17)***RTM*ABTIME{HHMM-HHMM}(AAR-19)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time			
			211	Service Requested		
				When warranty repair service was requested		
	DTM02	**373**	**Date**		**X**	**DT 8/8**
			Date expressed as CCYYMMDD			
			COMPDATE(AAR-17) = Completion Date			
	DTM05	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			Code indicating the date format, time format, or date and time format			
			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		
	DTM06	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times			
			COMPTIME{HHMM}(AAR-18) = Completion Time ABTIME{HHMM-HHMM}(AAR-19) = After-Before Time			

Segment: **ACK** **Line Item Acknowledgment**
Position: 2700
Loop: ACK Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes: ACK*IA**********TI*APPOINTMENT*RESPONSE(AAR-8)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**ACK01**	**668**	**Line Item Status Code** Code specifying the action taken by the seller on a line item requested by the buyer IA Item Accepted	**M**	**ID 2/2**
	ACK27	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**X**	**ID 2/2**
	ACK28	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier "APPOINTMENT"	**X**	**AN 1/15**
	ACK29	**1271**	**Industry Code** Code indicating a code from a specific industry code list RESPONSE(AAR-8) = Response	**X**	**AN 1/30**

Segment: **QTY** **Quantity**
Position: 3000
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*1K*NUMSLOTS(AAR-13)*EA

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**QTY01**	**673**	**Quantity Qualifier**	**M**	**ID 2/2**
			Code specifying the type of quantity 1K Time Units The number of time units such as 8 (hours)		
	QTY02	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity NUMSLOTS(AAR-13) = Number of Slots		
	QTY03	**C001**	**Composite Unit of Measure**	**O**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each		

Segment: **SLN** **Subline Item Detail**
Position: 4900
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data
Syntax Notes:
1 If either SLN04 or SLN05 is present, then the other is required.
2 If SLN07 is present, then SLN06 is required.
3 If SLN08 is present, then SLN06 is required.
4 If either SLN09 or SLN10 is present, then the other is required.
5 If either SLN11 or SLN12 is present, then the other is required.
6 If either SLN13 or SLN14 is present, then the other is required.
7 If either SLN15 or SLN16 is present, then the other is required.
8 If either SLN17 or SLN18 is present, then the other is required.
9 If either SLN19 or SLN20 is present, then the other is required.
10 If either SLN21 or SLN22 is present, then the other is required.
11 If either SLN23 or SLN24 is present, then the other is required.
12 If either SLN25 or SLN26 is present, then the other is required.
13 If either SLN27 or SLN28 is present, then the other is required.
Semantic Notes:
1 SLN01 is the identifying number for the subline item.
2 SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3 SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4 SLN08 is a code indicating the relationship of the price or amount to the associated segment.
Comments:
1 See the Data Element Dictionary for a complete list of IDs.
2 SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3 SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: SLN*AVAILSLOT*n*O*1*EA [SLN Loop repeats NUMSLOTS(AAR-13) times]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**SLN01**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "AVAILSLOT"	**M**	**AN 1/20**
	SLN02	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned within SLN loop	**O**	**AN 1/20**
M	**SLN03**	**662**	**Relationship Code** Code indicating the relationship between entities O Information Only Charges which relate to but may not be included in or added to the unit price of the SLN. (i.e., compute	**M**	**ID 1/1**

			WATS calculation based upon usage amounts)			
	SLN04	**380**	**Quantity**	**X**	**R 1/15**
			Numeric value of quantity			
			1 Always One			
	SLN05	**C001**	**Composite Unit of Measure**	**X**	
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	**C00101**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			EA Each			

Segment: **PID** **Product/Item Description**
Position: 5100
Loop: SLN Optional
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 PID04 is required.
5 If PID09 is present, then PID05 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes: PID*S**TI*AO***SO-RSQ*AVAILIND(AAR-14)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**PID01**	**349**	**Item Description Type** Code indicating the format of a description S Structured (From Industry Code List)	**M**	**ID 1/1**
	PID03	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**X**	**ID 2/2**
	PID04	**751**	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic AO Agency Authorization Status	**X**	**AN 1/12**
	PID07	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier SO-RSQ Service Order - Reseller Questions	**O**	**AN 1/15**
	PID08	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response AVAILIND(AAR-14) = Appointment Availability Indicator	**O**	**ID 1/1**

Segment: **DTM** **Date/Time Reference**
Position: 5500
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*150*APPTSLOT{CCYYMMDD}(AAR-15)***TM/RTM*APPTSLOT{HHMM[-HHMM]}(AAR-15)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name			
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time			
			150	Service Period Start		
	DTM02	**373**	**Date**		**X**	**DT 8/8**
			Date expressed as CCYYMMDD			
			APPTSLOT(AAR-15) = Appointment Slot			
	DTM05	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			Code indicating the date format, time format, or date and time format			
			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		
	DTM06	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times			
			APPTSLOT{HHMM[-HHMM]}(AAR-15) = Appointment Slot			

Segment: **CTT** **Transaction Totals**
Position: 0100
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: CTT*Number of PO1 Segments

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M**	**N0 1/6**

Segment: **SE** **Transaction Set Trailer**
Position: 0300
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.
Notes: SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments	**M**	**N0 1/10**
M **SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	**M**	**AN 4/9**

8.6.3 860 Appointment Availability Selection Query (860ASQ)

Functional Group ID=PC

Introduction:

The 860ASQ will be used by the Co-Provider to initiate an Appointment Availability Selection Query to Qwest.

This implementation guideline is based on the following:
ANSI ASC X12 Version 4020

Notes:

This 860 Transaction includes mapping for Appointment Availability Selection Query.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BCH	Beginning Segment for Purchase Order Change	M	1		
	0500	REF	Reference Identification	O	>1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - POC			>1	
	0100	POC	Line Item Change	O	1		
	2000	DTM	Date/Time Reference	O	10		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		n1
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. 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.

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
Comments:
Notes: ST*860*TRAN SET CONTROL #

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			860 Purchase Order Change Request - Buyer Initiated		
M	**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: **BCH** **Beginning Segment for Purchase Order Change**
Position: 0200
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:
Notes: BCH*28*IN*TXNUM(ASQ-2)***PO Date(See Trading Partner Access Information)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**BCH01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 28 Query	**M**	**ID 2/2**
M	**BCH02**	**92**	**Purchase Order Type Code** Code specifying the type of Purchase Order IN Information Copy	**M**	**ID 2/2**
M	**BCH03**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser TXNUM(ASQ-2) = Transaction Number	**M**	**AN 1/22**
M	**BCH06**	**373**	**Date** Date expressed as CCYYMMDD PO Date = Purchase Order Date(See Trading Partner Access Information)	**M**	**DT 8/8**

Segment: **REF** **Reference Identification**
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*PO*PON(ASQ-6)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification PO Purchase Order Number		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier PON(ASQ-6) = Purchase Order Number		

Segment: **DTM** **Date/Time Reference**
Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*097*D/TSENT{CCYYMMDD}(ASQ-3)*D/TSENT{HHMM}(ASQ-3)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 097 Transaction Creation	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD D/TSENT(ASQ-3) = Date Sent	**X**	**DT 8/8**
	DTM03	**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) D/TSENT{HHMM}(ASQ-3) = Time Sent	**X**	**TM 4/8**

Segment: **SI** **Service Characteristic Identification**
Position: 1850
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes: SI*TI*IR*TXACT(ASQ-5)*IQ*TXTYP(ASQ-4)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **SI01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**
M **SI02**	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics IR Transaction (Inquiry) Activity	**M**	**AN 2/2**
M **SI03**	**234**	**Product/Service ID** Identifying number for a product or service TXACT(ASQ-5) = Transaction Activity	**M**	**AN 1/48**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics IQ Inquiry Type	**X**	**AN 2/2**
SI05	**234**	**Product/Service ID** Identifying number for a product or service TXTYP(ASQ-4) = Transaction Type	**X**	**AN 1/48**

Segment: **N1** **Name**
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*78*CCNA(ASQ-1)

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 78 Service Requester	**M**	**ID 2/3**
	N102	**93**	**Name** Free-form name CCNA(ASQ-1) = Customer Carrier Name Abbreviation	**X**	**AN 1/60**

Segment: **N1** **Name**
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*BY**25*CC(ASQ-7)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	**M**	**ID 2/3**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 25 Carrier's Customer Code	**X**	**ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code CC(ASQ-7) = Company Code	**X**	**AN 2/80**

Segment: **POC** **Line Item Change**
Position: 0100
Loop: POC Optional
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:
Notes: POC*n*RZ******ZZ*APPTSEL

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
	POC01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within POC loop	**O**	**AN 1/20**
M	**POC02**	**670**	**Change or Response Type Code** Code specifying the type of change to the line item RZ Replace All Values Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	**M**	**ID 2/2**
	POC08	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	**X**	**ID 2/2**
	POC09	**234**	**Product/Service ID** Identifying number for a product or service "APPTSEL"	**X**	**AN 1/48**

Segment: **DTM** **Date/Time Reference**
Position: 2000
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*211*APPRD{CCYYMMDD}(ASQ-9)***TM*COMPTIME{HHMM}(ASQ-10)
DTM*211*APPRD{CCYYMMDD}(ASQ-9)***RTM*ABTIME{HHMM-HHMM}(ASQ-11)

Data Element Summary

	Ref. Des.	Data Element	Name			
	Attributes					
M	**DTM01**	**374**	**Date/Time Qualifier**		**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time			
			211	Service Requested		
				When warranty repair service was requested		
	DTM02	**373**	**Date**		**X**	**DT 8/8**
			Date expressed as CCYYMMDD			
			APPRD(ASQ-9) = Appointment Request Date			
	DTM05	**1250**	**Date Time Period Format Qualifier**		**X**	**ID 2/3**
			Code indicating the date format, time format, or date and time format			
			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		
	DTM06	**1251**	**Date Time Period**		**X**	**AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times			
			COMPTIME{HHMM}(ASQ-10) = Completion Time ABTIME{HHMM-HHMM}(ASQ-11) = After-Before Time			

Segment: **CTT** **Transaction Totals**
Position: 0100
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: CTT*Number of POC Segments

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M**	**N0 1/6**

Segment: **SE** **Transaction Set Trailer**
Position: 0300
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.
Notes: SE*No of Segments*TRAN SET CONTROL #

Data Element Summary

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

8.6.4 865 Appointment Availability Selection Response (865ASR)

Functional Group ID=CA

Introduction:

The 865ASR will be used by Qwest to respond to an Appointment Availability Selection Query from the Co-Provider

This implementation guideline is based on the following:
ANSI ASC X12 Version 4020

Notes:

This 865 Transaction includes the mapping for Appointment Availability Selection Response.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BCA	Beginning Segment for Purchase Order Change Acknowledgment	M	1		
	0500	REF	Reference Identification	O	>1		
	1500	DTM	Date/Time Reference	O	10		
	1850	SI	Service Characteristic Identification	O	>1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		
			LOOP ID - N1			200	
	3000	N1	Name	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - POC			>1	
	0100	POC	Line Item Change - BAD	O	1		
			LOOP ID - ACK			104	
	2700	ACK	Line Item Acknowledgment	O	1		
			LOOP ID - QTY			>1	
	3020	QTY	Quantity	O	1		
			LOOP ID - N9			1000	
	3500	N9	Reference Identification	O	1		
	3600	MTX	Text	O	>1		
			LOOP ID - POC			>1	
	0100	POC	Line Item Change - GOOD	O	1		
	1000	REF	Reference Identification	O	>1		

	2000	DTM	Date/Time Reference	O	10		
			LOOP ID - ACK			104	
	2700	ACK	Line Item Acknowledgment	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT			1	
	0100	CTT	Transaction Totals	O	1		n1
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. 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.

Segment: **ST** **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.
Comments:
Notes: ST*865*TRAN SET CONTROL #

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**ST01**	**143**	**Transaction Set Identifier Code**	**M**	**ID 3/3**
			Code uniquely identifying a Transaction Set		
			865 Purchase Order Change Acknowledgment/Request - Seller Initiated		
M	**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: **BCA** **Beginning Segment for Purchase Order Change Acknowledgment**
Position: 0200
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:
Notes: BCA*11*AT*TXNUM(ASR-2)***PO Date(See Trading Partner Access Information)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**BCA01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 11 Response	**M**	**ID 2/2**
	BCA02	**587**	**Acknowledgment Type** Code specifying the type of acknowledgment AT Accepted	**O**	**ID 2/2**
M	**BCA03**	**324**	**Purchase Order Number** Identifying number for Purchase Order assigned by the orderer/purchaser TXNUM(ASR-2) = Transaction Number	**M**	**AN 1/22**
M	**BCA06**	**373**	**Date** Date expressed as CCYYMMDD PO Date = Purchase Order Date(See Trading Partner Access Information)	**M**	**DT 8/8**

Segment: **REF** **Reference Identification**
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*PO*PON(ASR-6)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**REF01**	**128**	**Reference Identification Qualifier**	**M**	**ID 2/3**
			Code qualifying the Reference Identification PO Purchase Order Number		
	REF02	**127**	**Reference Identification**	**X**	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier PON(ASR-6) = Purchase Order Number		

Segment: **DTM** **Date/Time Reference**
Position: 1500
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*097*D/TSENT{CCYYMMDD}(ASR-3)*D/TSENT{HHMM)}(ASR-3)

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time 097 Transaction Creation	**M**	**ID 3/3**
	DTM02	**373**	**Date** Date expressed as CCYYMMDD D/TSENT(ASR-3) = Date Sent	**X**	**DT 8/8**
	DTM03	**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) D/TSENT{HHMM}(ASR-3) = Time Sent	**X**	**TM 4/8**

Segment: **SI** **Service Characteristic Identification**
Position: 1850
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:
1 If either SI04 or SI05 is present, then the other is required.
2 If either SI06 or SI07 is present, then the other is required.
3 If either SI08 or SI09 is present, then the other is required.
4 If either SI10 or SI11 is present, then the other is required.
5 If either SI12 or SI13 is present, then the other is required.
6 If either SI14 or SI15 is present, then the other is required.
7 If either SI16 or SI17 is present, then the other is required.
8 If either SI18 or SI19 is present, then the other is required.
9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:
Comments:
1 SI01 defines the source for each of the service characteristics qualifiers.
Notes: SI*TI*IR*TXACT(ASR-5)*IQ*TXTYP(ASR-4)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M **SI01**	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**M**	**ID 2/2**
M **SI02**	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics IR Transaction (Inquiry) Activity	**M**	**AN 2/2**
M **SI03**	**234**	**Product/Service ID** Identifying number for a product or service TXACT(ASR-5) = Transaction Activity	**M**	**AN 1/48**
SI04	**1000**	**Service Characteristics Qualifier** Code from an industry code list qualifying the type of service characteristics IQ Inquiry Type	**X**	**AN 2/2**
SI05	**234**	**Product/Service ID** Identifying number for a product or service TXTYP(ASR-4) = Transaction Type	**X**	**AN 1/48**

Segment: **N1** **Name**
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*78*CCNA(ASR-1)

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual 78 Service Requester	**M**	**ID 2/3**
	N102	**93**	**Name** Free-form name CCNA(ASR-1) = Customer Carrier Name Abbreviation	**X**	**AN 1/60**

Segment: **N1** **Name**
Position: 3000
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes: N1*BY**25*CC(ASR-8)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual BY Buying Party (Purchaser)	**M**	**ID 2/3**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) 25 Carrier's Customer Code	**X**	**ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code CC(ASR-8) = Company Code	**X**	**AN 2/80**

Segment: **POC** **Line Item Change - BAD**
Position: 0100
Loop: POC Optional
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:
Notes: POC*n*RZ******ZZ*BAD [POC Loop will be used if RESPONSE(ASR-7) = "B"]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
	POC01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within POC loop	**O**	**AN 1/20**
M	**POC02**	**670**	**Change or Response Type Code** Code specifying the type of change to the line item RZ Replace All Values Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	**M**	**ID 2/2**
	POC08	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	**X**	**ID 2/2**
	POC09	**234**	**Product/Service ID** Identifying number for a product or service "BAD"	**X**	**AN 1/48**

Segment: **ACK** **Line Item Acknowledgment**
Position: 2700
Loop: ACK Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes: ACK*IR**********TI*APPOINTMENT*RESPONSE(ASR-7)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**ACK01**	**668**	**Line Item Status Code** Code specifying the action taken by the seller on a line item requested by the buyer IR Item Rejected	**M**	**ID 2/2**
	ACK27	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**X**	**ID 2/2**
	ACK28	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier "APPOINTMENT"	**X**	**AN 1/15**
	ACK29	**1271**	**Industry Code** Code indicating a code from a specific industry code list RESPONSE(ASR-7) = Response	**X**	**AN 1/30**

Segment: **QTY** **Quantity**
Position: 3020
Loop: QTY Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: **1** At least one of QTY02 or QTY04 is required.
2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: **1** QTY04 is used when the quantity is non-numeric.
Comments:
Notes: QTY*03*ERRNUM(ASR-13)*EA

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**QTY01**	**673**	**Quantity Qualifier** Code specifying the type of quantity 03 Discreet Quantity - Rejected Material	**M**	**ID 2/2**
	QTY02	**380**	**Quantity** Numeric value of quantity ERRNUM(ASR-13) = Number of Errors	**X**	**R 1/15**
	QTY03	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**O**	
M	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	**M**	**ID 2/2**

Segment: **N9** **Reference Identification**
Position: 3500
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:
1 At least one of N902 or N903 is required.
2 If N906 is present, then N905 is required.
3 If either C04003 or C04004 is present, then the other is required.
4 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 N906 reflects the time zone which the time reflects.
2 N907 contains data relating to the value cited in N902.
Comments:
Notes: N9*1Q*ERRCODE(ASR-14)*ERR [N9 Loop repeats ERRNUM(ASR-13) times]

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification 1Q Error Identification Code Qualifies a single number that describes an error found in application-level data	**M**	**ID 2/3**
	N902	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ERRCODE(ASR-14) = Error Code	**X**	**AN 1/30**
	N903	**369**	**Free-form Description** Free-form descriptive text "ERR"	**X**	**AN 1/45**

Segment: **MTX** **Text**
Position: 3600
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes:
1 If MTX01 is present, then MTX02 is required.
2 If MTX03 is present, then MTX02 is required.
3 If MTX05 is present, then MTX04 is required.
Semantic Notes:
1 MTX05 is the number of lines to advance before printing.
Comments:
1 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required.
Notes: MTX**ERRMESG(ASR-15)

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
MTX02	**1551**	**Message Text** To transmit large volumes of message text ERRMESG(ASR-15) = Error Message	**X**	**AN 1/4096**

Segment: **POC** **Line Item Change - GOOD**
Position: 0100
Loop: POC Optional
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:
Notes: POC*n*RZ******ZZ*GOOD [POC Loop will be used if RESPONSE(ASR-7) = "G"]

Data Element Summary

	Ref. Des.	Data Element	Name		
	POC01	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within POC loop	**O**	**AN 1/20**
M	**POC02**	**670**	**Change or Response Type Code** Code specifying the type of change to the line item RZ Replace All Values Receiver should replace the corresponding values in the original purchase order with the values contained in the Purchase Order Change Transaction Set	**M**	**ID 2/2**
	POC08	**235**	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZZ Mutually Defined	**X**	**ID 2/2**
	POC09	**234**	**Product/Service ID** Identifying number for a product or service "GOOD"	**X**	**AN 1/48**

Segment: **REF** **Reference Identification**
Position: 1000
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: REF*IX*INQRES NBR(ASR-9)*INQRES NBR

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification IX Item Number	**M**	**ID 2/3**
	REF02	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier INQRES NBR(ASR-9) = Inquiry Response Number	**X**	**AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content "INQRES NBR"	**X**	**AN 1/80**

Segment: **DTM** **Date/Time Reference**
Position: 2000
Loop: POC Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:
1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:
Notes: DTM*211*COMPDATE{CCYYMMDD}(ASR-10)***RTM*ABTIME{HHMM-HHMM}(ASR-12)

DTM*211*COMPDATE{CCYYMMDD}(ASR-10)***TM*COMPTIME {HHMM}(ASR-11)

Data Element Summary

	Ref. Des.	Data Element	Name		
	Attributes				
M	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			211 Service Requested		
			When warranty repair service was requested		
	DTM02	**373**	**Date**	**X**	**DT 8/8**
			Date expressed as CCYYMMDD		
			COMPDATE(ASR-10) = Completion Date		
	DTM05	**1250**	**Date Time Period Format Qualifier**	**X**	**ID 2/3**
			Code indicating the date format, time format, or date and time format		
			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		
	DTM06	**1251**	**Date Time Period**	**X**	**AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times		
			ABTIME{HHMM-HHMM}(ASR-12) = After-Before Time COMPTIME(ASR-11) = Completion Time		

Segment: **ACK** **Line Item Acknowledgment**
Position: 2700
Loop: ACK Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To acknowledge the ordered quantities and specify the ready date for a specific line item
Syntax Notes:
1 If either ACK02 or ACK03 is present, then the other is required.
2 If ACK04 is present, then ACK05 is required.
3 If either ACK07 or ACK08 is present, then the other is required.
4 If either ACK09 or ACK10 is present, then the other is required.
5 If either ACK11 or ACK12 is present, then the other is required.
6 If either ACK13 or ACK14 is present, then the other is required.
7 If either ACK15 or ACK16 is present, then the other is required.
8 If either ACK17 or ACK18 is present, then the other is required.
9 If either ACK19 or ACK20 is present, then the other is required.
10 If either ACK21 or ACK22 is present, then the other is required.
11 If either ACK23 or ACK24 is present, then the other is required.
12 If either ACK25 or ACK26 is present, then the other is required.
13 If either ACK27 or ACK28 is present, then the other is required.
14 If ACK28 is present, then both ACK27 and ACK29 are required.
Semantic Notes:
1 ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.
Comments:
Notes: ACK*IA**********TI*APPOINTMENT*RESPONSE(ASR-7)

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	**ACK01**	**668**	**Line Item Status Code** Code specifying the action taken by the seller on a line item requested by the buyer IA Item Accepted	**M**	**ID 2/2**
	ACK27	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values TI Telecommunications Industry	**X**	**ID 2/2**
	ACK28	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier "APPOINTMENT"	**X**	**AN 1/15**
	ACK29	**1271**	**Industry Code** Code indicating a code from a specific industry code list RESPONSE(ASR-7) = Response	**X**	**AN 1/30**

Segment: **CTT** **Transaction Totals**
Position: 0100
Loop: CTT Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: **1** This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: CTT*Number of POC Segments

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**CTT01**	**354**	**Number of Line Items** Total number of line items in the transaction set	**M**	**N0 1/6**

Segment: **SE** **Transaction Set Trailer**
Position: 0300
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.
Notes: SE*No of Segments*TRAN SET CONTROL#

Data Element Summary

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