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7. CFA Validation Transaction Cycle

7.1 Business Description

The pre-order CFA Validation transaction allows a CLEC to submit a query to obtain a list of valid and available CFAs and channel assignment records. A valid CFA and channel assignment record may be selected from the returned list and used to populate the CFA field on the LS, LSNP or PS forms. The CLEC is responsible for tracking the available CFAs and channel assignment records that were selected to ensure they are available for provisioning.

7.2 Business Model

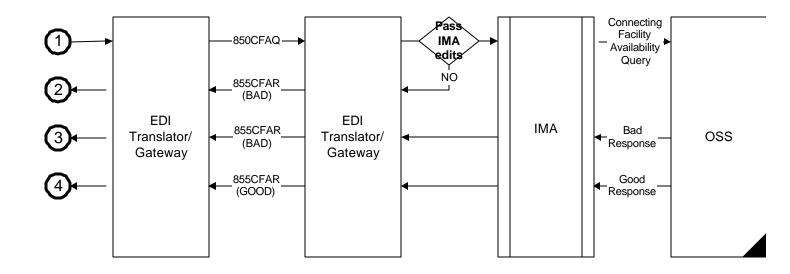
Connecting Facility Assignment Validation

Connecting Facility Assignment allows a Co-Provider to query for and obtain a list of valid and available CFAs and channel assignment records.

Connecting Facility Assignment

Co-Provider

Qwest



- 1. Co-Provider submits an 850CFAQ providing the LOC A and LOCZ, or the LOC A, LOC Z, Cable Name, First Unit, and Last Unit.
- 2. If the 850CFAQ fails the IMA edits, an 855CFAR (BAD) will be returned.

If the 850CFAQ passes the IMA edits, the query will be sent to the Operations Support System (OSS). This system will respond with one of two conditions: BAD or GOOD.

- 3. 855CFAR (BAD) will be returned when the 850CFAQ encounters an error(s) with the OSS.
- 4. An 855CFAR (GOOD) will be returned when the queried connecting facility assignments are retrieved.

7.3 Developer Worksheets

See Appendix A - Developer Worksheets - PreOrder

7.4 **Trading Partner Access Information**

PRE-ORDER FUNCTION	PRODUCT ID		
Connecting Facility Assignment Query	850CFAQ		
Connecting Facility Assignment Response	855CFAR		

7.4.1 OVERVIEW: Qwest Specific Functional Group Envelope - Routing Information

Separate maps have been created per pre-ordering functions. EDI envelopes are used to initiate 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.

7.4.2 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' (<u>Note</u> : This Trading partner ID is used only for Pre-order QWEST transactions. The "P" is the unique		

Dravidar and Quest spres to the following routing information.

		identifier.)			
ISA07	'ZZ' (Mutually Defined)	Co-Provider TP qualifier			
ISA08	'QWESTP' (<u>Note</u> : 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)			

7.4.3 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)	<i>Time of the functional group. HHMM (24 hour clock)</i>
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
Connecting Facility Assignment Query	Receive	850CFAQ	PO	Co-provider TP ID	CFA90
Connecting Facility Assignment Response	Send	855CFAR	PR	CFA90	Co-provider TP ID

7.4.4 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

7.5 Mapping Examples

7.5.1	850 Connecting Facility Assignment Query (850CFAQ) – Version 4020
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Legend of Symbols in this transaction example

Symbol/Definition	Example				
{ } = Valid Format	{CCYYMMDD}				
<i>Bold/Italics</i> = Developer's Worksheet Element	PON				
Superscript = Developer's Worksheet Ref # DWS used in this mapping example: CFA=Connecting Facility Assignment	LSR-1				
Italics = Literal	GOOD				
<u>Underline</u> = 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 1n				
* = 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*^{CFAQ-3}**PO Date(See Trading Partner Access Information) DTM*097**D*/TSENT{CCYYMMDD}^{CFAQ-4}**D*/TSENT{HHMM}^{CFAQ-4} SI*TI*IR**TXACT*^{CFAQ-6}*IQ**TXTYP*^{CFAQ-5} N1*78**CCNA*^{CFAQ-1} N1*BT**92**ACNA*^{CFAQ-2}

Cable Pair Groups Section

PO1*n*1*EA***ZZ* **SEARCHTYP**^{CFAQ-7} SLN**CABGRPCFA**n*A*1*EA N1*ZZ**CFALOC* NX2*90**LOCA*^{CFAQ-8} NX2*91**LOCZ*^{CFAQ-9} [PO1 Loop will be used if **SEARCHTYP**^{CFAQ-7}= "G"]

[PO1 Loop will be used if **SEARCHTYP**^{CFAQ-7}= "U"]

Cable Pair Units Section

PO1*n*1*EA***ZZ* **SEARCHTYP**^{CFAQ-7} SLN*CABUNTCFA*n*A*1*EA SI*TI*K8**FIRST UNIT*^{CFAQ-11} SI*TI*K9**LAST UNIT*^{CFAQ-12} N1*ZZ**CFALOC* N2**CABNM*^{CFAQ-10} NX2*90**LOCA*^{CFAQ-8} NX2*91**LOCZ*^{CFAQ-9}

CTT*Number of PO1 Segments SE*Number of Segments*TRAN SET CONTROL # 7.5.2 855 Connecting Facility Assignment Response (855CFAR) – VERSION 4020

ST*855*TRAN SET CONTROL # BAK*11*AT***TXNUM**^{CFAR-3}*PO Date(See Trading Partner Access Information) DTM*097***D/TSENT**{CCYYMMDD}^{CFAR-4}***D/TSENT**{HHMM}^{CFAR-4} SI*TI*IR***TXACT**^{CFAR-6}*IQ***TXTYP**^{CFAR-5} N1*78***CCNA** N1*BT**92*ACNACFAR-2 N1*ZZ*CFALOC NX2*90*LOCA^{CFAR-7} NX2*91**LOCZ*CFAR-8

Error Section

[PO1 Loop will be used if **RESPONSE**^{CFAR-9} = "B"] PO1*n*1*EA***ZZ*BAD ACK*IR**********************TI*CFA***RESPONSE**CFAR-9 QTY*03**ERRNUM*^{CFAR-35}*EA N9*1Q***ERRCODE**^{CFAR-36}*ERR [N9 Loop repeats **ERRNUM**^{CFAR-35} times] MTX****ERRMESG**CFAR-37

Cable Pair Groups Section

PO1*n*1*EA***ZZ*CABGRP

[PO1 Loop will be used if **RESPONSE**^{CFAR-9} = "G" and **SEARCHTYP**^{CFAR-10} ="G"]

ACK*IA*****SEARCHTYP^{CFAR-10} ***********************TI*CFA*RESPONSE^{CFAR-9} QTY*AU* GROUPNUM CFAR-11*EA SLN**CABGRPCFA* *n*A*1*EA SI*TI*K2***CABTYP**^{CFAR-13} SI*TI*K8* FIRST UNIT CFAR-14 SI*TI*K9**LAST UNIT*CFAR-15 SI*TI*KR**INVSTAT*CFAR-18 SI*TI*PV***PCTAVAIL**CFAR-20 QTY*40*QTYSPARECFAR-19*EA N1*ZZ**CFALOC* N2**CABNM*^{CFAR-12} NX2*90**LOCA*CFAR-16 NX2*91**LOCZ*CFAR-17

[SLN Loop repeats GROUPNUM^{CFAR-11} times]

Cable Pair Units Section

PO1*n*1*EA***ZZ* CABUNT	[PO1 Loop will be used if RESPONSE ^{CFAR-9} = "G" and SEARCHTYP ^{CFAR-10} ="U"] *******TI* <i>CFA</i> * RESPONSE ^{CFAR-9}
ACK*IA***** SEARCHTYPCFAR-10********	**********TI* CFA* RESPONSE ^{CFAR-9}
QTY*V2* <i>UNITNUM^{CFAR-21}*</i> EA	
SLN*CABUNTCFA*n*A*1*EA	[SLN Loop repeats UNITNUM CFAR-21 times]
SI*TI*K7* <i>UNIT^{CFAR-24}</i>	
SI*TI*K2* CABTYP CFAR-23	
SI*TI*ZC*CURACTCFAR-30	
SI*TI*SS* PNDACT CFAR-31	
SI*TI*KO* <i>CKTID/CLO</i> CFAR-33	
PID*S**TI*ASGTRSTN*ASGTRSTN	-29
PID*S**TI*DIVIND***SO-RSQ* D ^{CFAR-32}	
DTM*150* DUEDT {CCYYMMDD} ^{CFAR-34}	
N1*ZZ*CFALOC	
N2*CABNM ^{CFAR-22}	

NX2*21***SUBDF**^{CFAR-27} NX2*63***SUBDT**^{CFAR-28} NX2*90***LOCA**^{CFAR-25} NX2*91***LOCZ**^{CFAR-26}

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

7.6 Data Dictionary

7.6.1 850 Connecting Facility Assignment Query (850CFAQ)

Functional Group ID=PO

Introduction:

The 850CFAQ will be used by the Co-Provider to initiate a Connecting Facility Assignment Query to Qwest.

This implementation guideline is based on the following:

1. ANSI ASC X12 Version 4020

Notes:

This 850 Transaction includes the mappings for Connecting Facility Assignment Query.

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop Notes and <u>RepeatComments</u>
М	0100	ST	Transaction Set Header	М	1	
М	0200	BEG	Beginning Segment for Purchase Order	М	1	
	1500	DTM	Date/Time Reference	0	10	
	1850	SI	Service Characteristic Identification	0	>1	
			LOOP ID - N1			200
	3100	N1	Name	0	1	
			LOOP ID - N1			200
	3100	N1	Name	0	1	

Detail:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des</u> .	Max.Use	Loop Note <u>RepeatCom</u>	
			LOOP ID - PO1			100000	
М	0100	PO1	Baseline Item Data - Cable Pair Groups Section	М	1		n1
			LOOP ID - SLN			1000	
	4700	SLN	Subline Item Detail	0	1		
			LOOP ID - N1			10	
	5350	N1	Name	0	1		
	5700	NX2	Location ID Component	0	>1		
			LOOP ID - PO1			100000	
Μ	0100	PO1	Baseline Item Data - Cable Pair Units Section	М	1		n2
			LOOP ID - SLN			1000	

4700	SLN	Subline Item Detail	0	1		11
4800	SI	Service Characteristic Identification	0	>1		
		LOOP ID - N1			10	
5350	N1	Name	0	1		
5400	N2	Additional Name Information	0	2		
5700	NX2	Location ID Component	0	>1		

Summary:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des</u> .	<u>Max.Use</u>	Loop Notes and <u>RepeatComments</u>
			LOOP ID - CTT			1
	0100	CTT	Transaction Totals	0	1	n3
Μ	0300	SE	Transaction Set Trailer	М	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 1	Fransaction Set Header						
Position: Loop:	0100	0100						
Level:	Heading							
Usage:	Mandato	ry						
Max Use:	1	,						
Purpose: Syntax Notes:	To indica	ate the start of a transaction set and to assign a control nun	nbe	r				
Semantic Notes:	 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 							
	2 The trans appr	 Set). 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 #						
Ref.	Data	Data Element Summary						
Des.	Element	Name						
<u>Des.</u> Attributes		Manie						
M ST01	, 143	Transaction Set Identifier Code	м	ID 3/3				
		Code uniquely identifying a Transaction Set						
		850 Purchase Order						
M ST02	329		м	AN 4/9				
WI 3102	323	Identifying control number that must be unique within the t functional group assigned by the originator for a transactio	tran	saction set				

	Segment:	BEC	Beginning Segment for Purchase Order					
	Position:	0200						
	Loop:							
	Level:	Heading						
	Usage: Max Use:	Mandato	ry					
	Purpose:	To indica	ate the beginning of the Purchase Order Transaction Set a	nd				
	•		identifying numbers and dates					
_	Syntax Notes:							
5	Semantic Notes: Comments:	1 BEG	605 is the date assigned by the purchaser to purchase ord	er.				
	Notes:	BFG*28*	IN*TXNUM (CFAQ-3)**PO Date(See Trading Partner Acce	229				
		Informati						
	Def	Dete	Data Element Summary					
	Ref. <u>Des.</u>	Data <u>Element</u>	Name					
	<u>Attributes</u>		Name					
Μ	BEG01	353	Transaction Set Purpose Code	Μ	ID 2/2			
			Code identifying purpose of transaction set					
			28 Query					
Μ	BEG02	92	Purchase Order Type Code	Μ	ID 2/2			
			Code specifying the type of Purchase Order					
			IN Information Copy					
Μ	BEG03	324	Purchase Order Number	Μ	AN 1/22			
			Identifying number for Purchase Order assigned by the orderer/purchaser					
			TXNUM (CFAQ-3) = Transaction Number					
м	BEG05	373	Date	М	DT 8/8			
			Date expressed as CCYYMMDD					
			PO Date = Purchase Order Date(See Trading Partner Ac	cess	;			
			Information)					

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} (CFAQ-4)*D/TSENT{HHMM} (CFAQ-4)
Ref.	Data Element Summary Data

Ref.	Data			
<u>Des.</u> <u>Attributes</u>	<u>Element</u>	<u>Name</u>		
DTM01	374	Date/Time Qualifier	М	ID 3/3
		Code specifying type of date or time, or both date and tim 097 Transaction Creation	е	
DTMAA	070	_	v	DT 0/0
DTM02	373	Date	Х	DT 8/8
		Date expressed as CCYYMMDD		
		D/TSENT (CFAQ-4) = Date Sent		
DTM03	337	Time	Х	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), (00-59), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0- hundredths (00-99) D/TSENT{HHMM} (CFAQ-4) = Time Sent	, M = econ	= minutes ids;

Μ

Segment:	SI Service Characteristic Identification
Position: Loop:	1850
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 (CFAQ-6)*IQ*TXTYP (CFAQ-5)

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
М	SI01	559	Agency Qualifier Code	М	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
М	SI02	1000	Service Characteristics Qualifier	М	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			IR Transaction Activity		
М	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			TXACT (CFAQ-6) = Transaction Activity		
	SI04	1000	Service Characteristics Qualifier	Х	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			IQ Inquiry Type		
	SI05	234	Product/Service ID	Χ	AN 1/48
			Identifying number for a product or service		
			TXTYP (CFAQ-5) = Transaction Type		

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:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.
Notes:	N1*78*CCNA (CFAQ-1)

Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>			
N101	98	Entity Identifie	er Code	Μ	ID 2/3
		Code identifying an individual 78	g an organizational entity, a physical loca Service Requester	ition,	property or
N102	93	Name		Х	AN 1/60
		Free-form name	9		
		CCNA (CFAQ-1	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:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.
Notes:	N1*BT**98*ACNA (CFAQ-2)

		Data Element Summary		
Ref.	Data			
Des.	<u>Element</u>	Name		
<u>Attributes</u>				
N101	98	Entity Identifier Code	М	ID 2/3
		Code identifying an organizational entity, a physical location an individual	on,	property or
		BT Bill-to-Party		
N103	66	Identification Code Qualifier	Χ	ID 1/2
		Code designating the system/method of code structure us Identification Code (67)	sed f	for
		92 Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	Х	AN 2/80
		Code identifying a party or other code		
		ACNA(CFAQ-2) = Access Carrier Name Abbreviation		

Μ

Segment:	PO1 Baseline Item Data - Cable Pair Groups Section					
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:	 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 IE					
	per each item. For example: Case, Color, Drawing No., U.P.C. N	NO.,				
Netee	ISBN No., Model No., or SKU.					
Notes:	PO1*n*1*EA***ZZ*SEARCHTYP (CFAQ-7) [PO1 Loop will be used if					
	SEARCHTYP (CFAQ-7) = G]					
	Data Element Summary					
Ref.	Data					
Des.	Element Name					
Attributes		~				
PO101	350 Assigned Identification	O	AN 1/20			

10101	000	Assigned identification	Ŭ	
		Alphanumeric characters assigned for differentiation with	nin a	transaction
		set		
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Х	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	Ο	ID 2/2
		Code specifying the units in which a value is being expr manner in which a measurement has been taken EA Each	essec	l, or
PO106	235	Product/Service ID Qualifier	Х	ID 2/2
		Code identifying the type/source of the descriptive numb Product/Service ID (234) ZZ Mutually Defined	er us	ed in
PO107	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
		SEARCHTYP (CFAQ-7) = Search Type		

	Segment: Position: Loop: Level: Usage: Max Use: Purpose : Syntax Notes:	on: 4700 op: SLN Optional el: Detail ge: Optional se: 1 se: 1 re: To specify product subline detail item data					
		 3 If SL 4 If eith 5 If eith 6 If eith 7 If eith 8 If eith 9 If eith 10 If eith 11 If eith 12 If eith 	N08 is present, then SLN06 is required. her SLN09 or SLN10 is present, then the other is required. her SLN11 or SLN12 is present, then the other is required. her SLN13 or SLN14 is present, then the other is required. her SLN15 or SLN16 is present, then the other is required. her SLN17 or SLN18 is present, then the other is required. her SLN19 or SLN20 is present, then the other is required. her SLN21 or SLN22 is present, then the other is required. her SLN23 or SLN24 is present, then the other is required. her SLN23 or SLN24 is present, then the other is required. her SLN25 or SLN26 is present, then the other is required. her SLN27 or SLN28 is present, then the other is required.				
:	Semantic Notes:	2 SLN level 3 SLN subli 4 SLN	01 is the identifying number for the subline item. 02 is the identifying number for the subline level. The subline is analogous to the level code used in a bill of materials. 03 is the configuration code indicating the relationship of the ne item to the baseline item. 08 is a code indicating the relationship of the price or amount to				
	Comments:	 the associated segment. See the Data Element Dictionary for a complete list of IDs. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU. 					
	Notes:		BGRPCFA*n*A*1*EA				
			Data Element Summary				
	Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>					
1	SLN01	350	Assigned Identification M AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set				
		050	"CABGRPCFA"				
	SLN02	350	Assigned Identification O AN 1/20 Alphanumeric characters assigned for differentiation within a transaction set "n" = nth assigned ID within SLN loop				
1	SLN03	662	Relationship Code M ID 1/1				
			Code indicating the relationship between entities A Add				
							

Μ

Μ

SLN04

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Quantity

380

X R 1/15

			Numeric value of quantity 1 Always One		
	SLN05	C001	Composite Unit of Measure	Х	
М	C00101	255	To identify a composite unit of measure (See Figu examples of use)		ix for
IVI	C00101	355	Unit or Basis for Measurement Code	M	
			Code specifying the units in which a value is being manner in which a measurement has been taken EA Each	expressed,	or

Segment:	N1 Name
Position:	5350
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.
Notes:	N1*ZZ*CFALOC
Ξ.	Data Element Summary

			e anna y		
Ref.	Data				
Des.	<u>Element</u>	<u>Name</u>			
<u>Attributes</u>					
N101	98	Entity Identifier	Code	М	ID 2/3
		Code identifying a an individual ZZ	an organizational entity, a physical Mutually Defined	location,	property or
N102	93	Name		Х	AN 1/60
		Free-form name			
		"CFALOC"			

NX2 Location ID Component Segment: Position: 5700 Loop: N1 Optional . Level: Detail Usage: Optional Max Use: >1 Purpose: To define types and values of a geographic location Syntax Notes: Semantic Notes: Comments: NX2*90*LOCA (CFAQ-8) Notes:

NX2*91*LOCZ (CFAQ-9)

Data Element Summary

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
М	NX201	1106	Address Compor	nent Qualifier	Μ	ID 2/2
			Code qualifying the	e type of address component		
			90	Access Customer Terminal Location	ACT	Ľ)
			91	Additional Point of Termination (APO	Γ)	
М	NX202	166	Address Informat	tion	Μ	AN 1/55
			Address information	on		
			LOCA (CFAQ-8) = LOCZ (CFAQ-9) =			

Segment:	PO1 Baseline Item Data - Cable Pair Units Section	
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.	
Semantic Notes:	12 If either PO124 or PO125 is present, then the other is required.	
Comments:	1 See the Data Element Dictionary for a complete list of IDs.	
comments.	 See the Data Element Dictionary for a complete list of IDs. 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*SEARCHTYP (CFAQ-7) [PO1 Loop will be used if	
10103.	SEARCHTYP (CFAQ-7) = $"U"$]	
	Data Element Summary	
Ref.	Data	
Des.	Element Name	
Attributes		
PO101	350 Assigned Identification O	AN 1/20

			-	
		Alphanumeric characters assigned for differentiation wi set	hin a	transaction
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Х	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being exp manner in which a measurement has been taken EA Each	ressec	l, or
PO106	235	Product/Service ID Qualifier	Х	ID 2/2
		Code identifying the type/source of the descriptive num Product/Service ID (234) ZZ Mutually Defined	ber us	ed in
PO107	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
		SEARCHTYP (CFAQ-7) = Search Type		

	.	
Segment:	SLN	Subline Item Detail
•		
Position: Loop:	4700 SLN	Optional
Level:	Detail	Οριιοπαί
Usage:	Optional	
Max Use:	1	
Purpose:	•	fy product subline detail item data
Syntax Notes:	•	her SLN04 or SLN05 is present, then the other is required.
Syntax Notes.		N07 is present, then SLN06 is required.
		N08 is present, then SLN06 is required.
		her SLN09 or SLN10 is present, then the other is required.
		her SLN11 or SLN12 is present, then the other is required.
		her SLN13 or SLN14 is present, then the other is required.
		ner SLN15 or SLN16 is present, then the other is required.
		her SLN17 or SLN18 is present, then the other is required.
		ner SLN19 or SLN20 is present, then the other is required.
		ner SLN21 or SLN22 is present, then the other is required.
	11 If eit	ner SLN23 or SLN24 is present, then the other is required.
	12 If eit	ner SLN25 or SLN26 is present, then the other is required.
	13 If eitl	ner SLN27 or SLN28 is present, then the other is required.
Semantic Notes:		01 is the identifying number for the subline item.
		02 is the identifying number for the subline level. The subline
		is analogous to the level code used in a bill of materials.
		03 is the configuration code indicating the relationship of the
		ne item to the baseline item.
		08 is a code indicating the relationship of the price or amount to
Commontor		issociated segment.
Comments:		the Data Element Dictionary for a complete list of IDs.
		01 is related to (but not necessarily equivalent to) the baseline number. Example: 1.1 or 1A might be used as a subline number
		late to baseline number 1.
		09 through SLN28 provide for ten different product/service IDs
		ach item. For example: Case, Color, Drawing No., U.P.C. No.,
		I No., Model No., or SKU.
Notes:		BUNTCFA*n*A*1*EA
		Data Element Summary
Ref.	Data	
Des.	Element	<u>Name</u>
<u>Attributes</u>		
I SLN01	350	Assigned Identification M AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction
		set
		"CABUNTCFA"
SLN02	350	Assigned Identification O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction
		set
		"n" = nth assigned ID within SLN loop
I SLN03	662	Relationship Code M ID 1/1
		Code indicating the relationship between entities

М

SLN04

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Add

А

380

Quantity

X R 1/15

			Numeric value of quantity 1 Always One	
	SLN05	C001	Composite Unit of Measure	х
м	C00101	355	To identify a composite unit of measure examples of use) Unit or Basis for Measurement Code	(See Figures Appendix for M ID 2/2
			Code specifying the units in which a valu manner in which a measurement has bee EA Each	ie is being expressed, or

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*K8*FIRST UNIT (CFAQ-11)
	SI*TI*K9*LAST UNIT (CFAQ-12)

			Data Element	Summary		
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SI01	559	Agency Qualifie	r Code	Μ	ID 2/2
			Code identifying t	he agency assigning the code values		
			ТІ	Telecommunications Industry		
М	SI02	1000	Service Charact	eristics Qualifier	Μ	AN 2/2
			Code from an ind characteristics	ustry code list qualifying the type of ser	vice	
			K8	First Unit		
			K9	Last Unit		
М	SI03	234	Product/Service	e ID	Μ	AN 1/48
			Identifying numbe	r for a product or service		
			FIRST UNIT (CFA	Q-11) = First Unit Q-12) = Last Unit		
			(

Segment:	N1 Name
Position:	5350
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
-	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.
Notes:	N1*ZZ*CFALOC
	Data Element Summarv

		Data Elemen	it Summary		
Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
N101	98	Entity Identifie	r Code	М	ID 2/3
		Code identifying an individual ZZ	an organizational entity, a p Mutually Defined	hysical location,	property or
N102	93	Name Free-form name		X	AN 1/60
		"CFALOC"			

Μ

:	Segment:	N2 A	Additional Name Information	
	Position:	5400		
	Loop:	N1	Optional	
	Level:	Detail		
	Usage:	Optional		
	Max Use:	2		
	Purpose:	To speci	fy additional names	
	ax Notes:			
	tic Notes:			
C	omments:			
	Notes:	N2*CAB	NM(CFAQ-10)	
			Data Element Summary	
	Ref.	Data	Data Element Summary	
	Des.	Element	Namo	
	Attributes		Name	
м	N201	93	Name M	AN 1/60
	11201	55	Free-form name	
			CABNM (CFAQ-10) = Cable Name	

NX2 Location ID Component Segment: Position: 5700 Loop: N1 Optional . Level: Detail Usage: Optional Max Use: >1 Purpose: To define types and values of a geographic location Syntax Notes: Semantic Notes: Comments: NX2*90*LOCA (CFAQ-8) Notes:

NX2*91*LOCZ (CFAQ-9)

Data Element Summary

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
М	NX201	1106	Address Compor	nent Qualifier	Μ	ID 2/2
			Code qualifying the	e type of address component		
			90	Access Customer Terminal Location ((ACT	Ľ)
			91	Additional Point of Termination (APOT)	
Μ	NX202	166	Address Information		М	AN 1/55
			LOCA (CFAQ-8) = LOCZ (CFAQ-9) =			

Segment:	СТІ	 Transaction Totals 		
Position:	0100			
Loop:	CTT	Optional		
Level:	Summar	У		
Usage:	Optional			
Max Use:	1			
Purpose:	To trans	mit a hash total for a specific element in the transaction se	t	
Syntax Notes:	1 If eit	her CTT03 or CTT04 is present, then the other is required.		
	2 If eit	her CTT05 or CTT06 is present, then the other is required.		
Semantic Notes:				
Comments:		segment is intended to provide hash totals to validate saction completeness and correctness.		
Notes:	CTT*Nur	mber of PO1 Segments		
		Data Element Summary		
Ref.	Data			
<u>Des.</u> <u>Attributes</u>	<u>Element</u>	Name		
I CTT01	354	Number of Line Items	Μ	N0 1/6

Total number of line items in the transaction set

Μ

Segment:	SE 1	ransaction Set Trailer					
Position:	0300						
Loop:							
Level:	Summar	•					
Usage:	Mandato	ry					
Max Use:	1						
Purpose:		To indicate the end of the transaction set and provide the count of the ransmitted segments (including the beginning (ST) and ending (SE) segments)					
Syntax Notes:	U U	,					
Semantic Notes:							
Comments:	1 SE i:	s the last segment of each transaction set.					
Notes:	SE*Num	ber of Segments*TRAN SET CONTROL #					
		-					
		Data Element Summary					
Ref.	Data						
Des.	Element	Name					
Attributes							
SE01	96	Number of Included Segments M	l –	N0 1/10			
		Total number of segments included in a transaction set incluand SE segments	ıdin	ng ST			
SE02	329	Transaction Set Control Number M	l	AN 4/9			
		Identifying control number that must be unique within the tra functional group assigned by the originator for a transaction					

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7.6.2 855 Connecting Facility Assignment Response (855CFAR)

Functional Group ID=PR

Introduction:

The 855CFAR will be used by Qwest to respond to a Connecting Facility Assignment Query from a Co-Provider.

This implementation guideline is based on the following:

1. ANSI ASC X12 Version 4020

Notes:

This 855 Transaction includes the mappings for Connecting Facility Assignment Response.

Heading:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop Notes and <u>RepeatComments</u>
М	0100	ST	Transaction Set Header	М	1	
М	0200	BAK	Beginning Segment for Purchase Order Acknowledgment	М	1	
	1500	DTM	Date/Time Reference	0	10	
	1850	SI	Service Characteristic Identification	0	>1	
			LOOP ID - N1			200
	3000	N1	Name	0	1	
			LOOP ID - N1			200
	3000	N1	Name	0	1	
			LOOP ID - N1			200
	3000	N1	Name	0	1	
	3350	NX2	Location ID Component	0	>1	

Detail:

Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des.</u>	Max.Use	Loop Notes and <u>RepeatComments</u>
		LOOP ID - PO1			100000
0100	PO1	Baseline Item Data - Error Section	0	1	n1
		LOOP ID - ACK			104
2700	ACK	Line Item Acknowledgment	0	1	
		LOOP ID - QTY			>1
3000	QTY	Quantity	0	1	
		LOOP ID - N9			1000
3500	N9	Reference Identification	0	1	

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3600	MTX	Text	0	>1		
		LOOP ID - PO1			100000	
0100	PO1	Baseline Item Data - Cable Pair Groups Section	0	1		n2
		LOOP ID - ACK			104	
2700	ACK	Line Item Acknowledgment	0	1		
		LOOP ID - QTY			>1	
3000	QTY	Quantity	0	1		
		LOOP ID - SLN			>1	
4900	SLN	Subline Item Detail	0	1		
5000	SI	Service Characteristic Identification	0	>1		
		LOOP ID - QTY			>1	
5590	QTY	Quantity	0	1		
		LOOP ID - N1			10	
5760	N1	Name	0	1		
5780	N2	Additional Name Information	0	2		
6000	NX2	Location ID Component	0	>1		
		LOOP ID - PO1			100000	
0100	PO1	Baseline Item Data - Cable Pair Units	0	1	100000	n3
0100	PO1		0	1	100000	n3
0100 2700	PO1 ACK	Baseline Item Data - Cable Pair Units Section	0	1		n3
		Baseline Item Data - Cable Pair Units Section LOOP ID - ACK	_			n3
		Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment	_		104	n3
2700	ACK	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY	0	1	104	n3
2700	ACK	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity	0	1	104 >1	n3
2700 3000	ACK QTY	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity LOOP ID - SLN	0	1	104 >1	n3
2700 3000 4900	ACK QTY SLN	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity LOOP ID - SLN Subline Item Detail	0	1	104 >1	n3
2700 3000 4900 5000	ACK QTY SLN SI	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity LOOP ID - SLN Subline Item Detail Service Characteristic Identification	0 0 0 0	1 1 1 >1	104 >1	n3
2700 3000 4900 5000 5100	ACK QTY SLN SI PID	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity LOOP ID - SLN Subline Item Detail Service Characteristic Identification Product/Item Description	0 0 0 0 0	1 1 1 >1 1000	104 >1	n3
2700 3000 4900 5000 5100	ACK QTY SLN SI PID	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity LOOP ID - SLN Subline Item Detail Service Characteristic Identification Product/Item Description Date/Time Reference	0 0 0 0 0	1 1 1 >1 1000	104 >1 >1	n3
2700 3000 4900 5000 5100 5500	ack Qty Sln Si Pid Dtm	Baseline Item Data - Cable Pair Units Section LOOP ID - ACK Line Item Acknowledgment LOOP ID - QTY Quantity LOOP ID - SLN Subline Item Detail Service Characteristic Identification Product/Item Description Date/Time Reference LOOP ID - N1	0 0 0 0 0 0	1 1 1 >1 1000 10	104 >1 >1	n3

Summary:

	Pos. <u>No.</u>	Seg. <u>ID</u>	Name	Req. <u>Des</u> .		Loop Notes and <u>RepeatComments</u>		
			LOOP ID - CTT			1		
	0100	CTT	Transaction Totals	0	1	n4		
Μ	0300	SE	Transaction Set Trailer	М	1			

Transaction Set Notes

- 1. PO102 is required. PO102 is required.
- 2.

- **3.** PO102 is required.
- 4. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

	Segment:	ST 1	Fransaction Set Header						
	Position: Loop:	0100							
	Level:	Heading	Heading						
	Usage:	Mandato	ry						
	Max Use:	1							
Sy	Purpose: /ntax Notes:	To indica	ate the start of a transaction set and to assign a control nu	ımbe	r				
Sem	antic Notes:	routi trans Set) 2 The trans	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). 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						
		defir	nition.						
	Comments: Notes:	ST*855*	TRAN SET CONTROL #						
	Ref.	Data	Data Element Summary						
	Des.	Element	Name						
	<u>Attributes</u>		Manie						
М	ST01	143	Transaction Set Identifier Code	М	ID 3/3				
			Code uniquely identifying a Transaction Set						
			855 Purchase Order Acknowledgment						
м	ST02	329	Transaction Set Control Number	м	AN 4/9				
	0.02	020	Identifying control number that must be unique within the functional group assigned by the originator for a transact	e tran	saction set				

	Segment: Position: Loop: Level: Usage: Max Use: Purpose: yntax Notes: hantic Notes: Comments: Notes:	0200 Heading Mandato 1 To indica Transact 1 BAK 2 BAK 3 BAK	te the beginning of the Purchase Order Acknowledgment ion Set and transmit identifying numbers and dates 04 is the date assigned by the purchaser to purchase orde 08 is the seller's order number. 09 is the date assigned by the sender to the acknowledgr AT*TXNUM (CFAR-3)*PO Date(See Trading Partner Acce	er. ment	
		mornat	, ,		
	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Data Element Summary <u>Name</u>		
Μ	BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	Μ	ID 2/2
М	BAK02	587	11 Response Acknowledgment Type	М	ID 2/2
			Code specifying the type of acknowledgment AT Accepted		
Μ	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser TXNUM (CFAR-3) = Transaction Number	М	AN 1/22
Μ	BAK04	373	Date Expressed as CCYYMMDD PO Date = Purchase Order Date(See Trading Partner Ac Information)	M cess	DT 8/8

Segment:	DTN	Date/Time Reference	
Position:	1500		
Loop:	المحانية		
Level:	Heading		
Usage:	Optional		
	10 To on ori	he partiaant datas and times	
Purpose:	•	fy pertinent dates and times	
Syntax Notes:		ast one of DTM02 DTM03 or DTM05 is required.	
		M04 is present, then DTM03 is required. Ther DTM05 or DTM06 is present, then the other is required.	
Semantic Notes: Comments:	J II eiu		
Notes:	DTM*097	7*D/TSENT{CCYYMMDD} (CFAR-4)*D/TSENT{HHMM} (CFAR	-4)
Ref.	Data	Data Element Summary	
	<u>Element</u>	Name	
<u>Attributes</u>	074	Deta/Time Orghitian	
I DTM01	374	Date/Time Qualifier M	ID 3/3
		Code specifying type of date or time, or both date and time	
		097 Transaction Creation	

Date expressed as CCYYMMDD D/TSENT (CFAR-4) = Date Sent

D/TSENT{HHMM} (CFAR-4) = Time Sent

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 =

М

DTM02

DTM03

373

337

Date

Time

hundredths (00-99)

DT 8/8

TM 4/8

Х

Х

Segment:	SI Service Characteristic Identification
Position: Loop:	1850
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 (CFAR-6)*IQ*TXTYP (CFAR-5)

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
М	SI01	559	Agency Qualifier Code	М	ID 2/2
			Code identifying the agency assigning the code values		
			TI Telecommunications Industry		
М	SI02	1000	Service Characteristics Qualifier	Μ	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			IR Transaction Activity		
М	SI03	234	Product/Service ID	М	AN 1/48
			Identifying number for a product or service		
			TXACT(CFAR-6) = Transaction Activity		
	SI04	1000	Service Characteristics Qualifier	Х	AN 2/2
			Code from an industry code list qualifying the type of serv characteristics	ice	
			IQ Inquiry Type		
	SI05	234	Product/Service ID	Х	AN 1/48
			Identifying number for a product or service		
			TXTYP (CFAR-5) = Transaction Type		
	5105	234	Identifying number for a product or service	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 (CFAR-1)

Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>			
N101	98	Entity Identifie	er Code	Μ	ID 2/3
		Code identifyin an individual 78	ng an organizational entity, a physical loca Service Requester	tion,	property or
N102	93	Name		Х	AN 1/60
		Free-form nam	e		
		CCNA (CFAR-	1) = Customer Carrier Name Abbreviation		

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*BT**92*ACNA (CFAR-2)

Ref.	Data			
Des.	<u>Element</u>	Name		
<u>Attributes</u>				
N101	98	Entity Identifier Code	Μ	ID 2/3
		Code identifying an organizational entity, a physical locati an individual	on, p	property or
		BT Bill-to-Party		
N103	66	Identification Code Qualifier	Х	ID 1/2
		Code designating the system/method of code structure us Identification Code (67)	ed f	or
		92 Assigned by Buyer or Buyer's Agent		
N104	67	Identification Code	Х	AN 2/80
		Code identifying a party or other code		
		ACNA (CFAR-2) = Access Carrier Name Abbreviation		

М

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*ZZ*CFALOC
	Data Element Summary

Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
N101	98	Entity Identifie	r Code	М	ID 2/3
		Code identifying an individual 90	an organizational entity, a physical Previous Business Partner	location,	property or
N102	93	Name Free-form name "CFALOC"		X	AN 1/60

NX2 Location ID Component

Segment: Position: Loop: N1 . Level: Usage: Max Use: >1 Purpose: Syntax Notes: Semantic Notes: Comments: Notes:

3350 Optional Heading Optional To define types and values of a geographic location

NX2*90*LOCA (CFAR-7) NX2*91*LOCZ (CFAR-8)

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	<u>Name</u>			
Μ	NX201	1106	Address Compo	onent Qualifier	М	ID 2/2
			Code qualifying the	ne type of address component		
			90	Access Customer Terminal Location	(ACT	Ľ)
			91	Additional Point of Termination (APO	Г)	
М	NX202	166	Address Information		М	AN 1/55
			LOCA (CFAR-7) :	= Location A		
			LOCZ (CFAR-8) =	= Location Z		

Segment:	PO1 Baseline Item Data - Error Section
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 (CFAR-9) = "B"]

Ref.	Data	-		
Des.	Element	Name		
<u>Attributes</u>				_
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	nat	ransaction
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Χ	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being express manner in which a measurement has been taken EA Each	sed	, or
PO106	235	Product/Service ID Qualifier	Χ	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
		"BAD"		

Segment: Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	2700 ACK Detail Optional 1 To ackno specific I 1 If eit 2 If AC 3 If eitl 4 If eit 5 If eit 6 If eit 7 If eit 8 If eit 10 If eit 11 If eit 12 If at 11 If eit 13 If eit 13 If eit 14 If AC 1 ACK	Chine Item Acknowledgment Optional owledge the ordered quantities and specify the ready date for ine item her ACK02 or ACK03 is present, then the other is required tK04 is present, then ACK05 is required. her ACK07 or ACK08 is present, then the other is required her ACK09 or ACK10 is present, then the other is required her ACK09 or ACK10 is present, then the other is required her ACK11 or ACK12 is present, then the other is required her ACK13 or ACK16 is present, then the other is required her ACK15 or ACK16 is present, then the other is required her ACK17 or ACK18 is present, then the other is required her ACK19 or ACK20 is present, then the other is required her ACK21 or ACK20 is present, then the other is required her ACK21 or ACK22 is present, then the other is required her ACK23 or ACK24 is present, then the other is required her ACK25 or ACK26 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK27 or ACK28 is present, then the other is required her ACK29 is present, then both ACK27 and A	I. I. I. I. I. I. I. I. I. I.	
Comments: Notes:	furth	er clarify the status.		
Ref. <u>Des.</u>	Data <u>Element</u>	Data Element Summary <u>Name</u>		
Attributes	668	Line Item Status Code	м	ID 2/2
	000	Code specifying the action taken by the seller on a line it by the buyer IR Item Rejected		
ACK27	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications Industry	х	ID 2/2
ACK28	822	Source Subqualifier A reference that indicates the table or text maintained by Qualifier "CFA"	X the	AN 1/15 Source
ACK29	1271	Industry Code Code indicating a code from a specific industry code list RESPONSE (CFAR-9) = Response	X	AN 1/30

Μ

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 (CFAR-35)*EA
	Data Element Summary
Def	Dete

	Ref.	Data			
	Des.	<u>Element</u>	<u>Name</u>		
	<u>Attributes</u>				
М	QTY01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			03 Discreet Quantity - Rejected Material		
	QTY02	380	Quantity	Χ	R 1/15
	Numeric value of quantity				
			ERRNUM (CFAR-35) = Number of Error Codes		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Appexamples of use)	bend	ix for
М	C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
			Code specifying the units in which a value is being express manner in which a measurement has been taken EA Each	sed,	or

Segment:	N9 F	Reference Identification		
Position:	3500			
Loop:	N9	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:		mit identifying information as specified by the Reference		
Suntax Notaci		tion Qualifier		
Syntax Notes:		ast one of N902 or N903 is required. 006 is present, then N905 is required.		
		her C04003 or C04004 is present, then the other is require	ha	
		her C04005 or C04006 is present, then the other is require		
Semantic Notes:		6 reflects the time zone which the time reflects.		
	2 N90	7 contains data relating to the value cited in N902.		
Comments:		5		
Notes:	N9*1Q*E	RRCODE (CFAR-36)*ERR [N9 Loop repeats ERRNUM (C	CFAR	R-35)
	times]			
		Dete Flement Summers		
Ref.	Data	Data Element Summary		
Des.	Element	Name		
Attributes		<u>nume</u>		
N901	128	Reference Identification Qualifier	М	ID 2/3
		Code qualifying the Reference Identification		
		1Q Error Identification Code		
		Qualifies a single number that describ	<u></u>	n error
		found in application-level data	JC3 0	
N902	127	Reference Identification	Х	AN 1/30
		Reference information as defined for a particular Transac	tion §	Set or as
		specified by the Reference Identification Qualifier		
		EERCODE (CFAR-36) = Error Code		
N903	369	Free-form Description	Х	AN 1/45
		Free-form descriptive text		
		"ERR"		

Updated: March 11, 2002

М

Segment:	MTX Text	
Position:	3600	
Loop:	N9 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To specify textual data	
Syntax Notes:	 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:	 MTX05 is the number of lines to advance before printing. 	
Comments:	 If MTX04 is "AA - Advance the specific number of lines before print", then MTX05 is required. 	
Notes:	MTX**ERRMESG (CFAR-37)	
	Data Element Summary	
Ref.	Data	
Des.	<u>Element</u> <u>Name</u>	
<u>Attributes</u>		
MTX02	1551 Message Text X	AN 1/4096

To transmit large volumes of message text ERRMESG (CFAR-37) = Error Message

Segment:	PO1 Baseline Item Data - Cable Pair Groups Section
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*CABGRP [PO1 Loop will be used if RESPONSE (CFAR-9) = "G" and SEARCHTYP (CFAR-10) = "G"]

Ref.	Data	·		
Des.	<u>Element</u>	Name		
<u>Attributes</u>				
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation withi set	nat	ransaction
		"n" = nth assigned ID within PO1 loop		
PO102	330	Quantity Ordered	Х	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being express manner in which a measurement has been taken EA Each	sed	, or
PO106	235	Product/Service ID Qualifier	Χ	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
		"CABGRP"		

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.
Comentie Notes	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
Comments:	further clarify the status.
Notes:	ACK*IA****SEARCHTYP (CFAR-10)**************TI*CFA*RESPONSE
NOLES.	(CFAR-9)

	Ref.	Data			
	<u>Des.</u> Attributes	<u>Element</u>	<u>Name</u>		
N	ACK01	668	Line Item Status Code	М	ID 2/2
			Code specifying the action taken by the seller on a line it by the buyer	em r	equested
			IA Item Accepted		
	ACK06	326	Request Reference Number	Ο	AN 1/45
			Reference number or RFQ number to use to identify a patransaction set and query (additional reference number of which can be used with contract number) SEARCHTYP (CFAR-10) = Search Type		
	ACK27	559	Agency Qualifier Code	х	ID 2/2
		000	Code identifying the agency assigning the code values	Λ	
			TI Telecommunications Industry		
	ACK28	822	Source Subqualifier	Х	AN 1/15
			A reference that indicates the table or text maintained by Qualifier "CFA"	the	Source
	ACK29	1271	Industry Code	X	AN 1/30
			Code indicating a code from a specific industry code list	~	
			RESPONSE (CFAR-9) = Response		

Segment:	QTY Quantity
Position:	3000
Loop:	QTY Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity information
Syntax Notes:	 At least one of QTY02 or QTY04 is required. Only one of QTY02 or QTY04 may be present.
Semantic Notes: Comments:	2 Only one of QTY02 or QTY04 may be present.1 QTY04 is used when the quantity is non-numeric.
Notes:	QTY*AU*GROUPNUM (CFAR-11)*EA
Ref.	Data Element Summary Data

	<u>Des.</u> Attributes	Element	Name		
М	QTY01	673	Quantity Qualifier	М	ID 2/2
			Code specifying the type of quantity		
			AU Cumulative Actual		
	QTY02	380	Quantity	Х	R 1/15
			Numeric value of quantity		
			GROUPNUM (CFAR-11) = Group Number		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Appexamples of use)	bendi	ix for
М	C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
			Code specifying the units in which a value is being express manner in which a measurement has been taken EA Each	sed,	or

	Segment:	SLN	Subline Item Detail				
	Position:	4900					
	Loop:	SLN Detail					
	Level: Usage:	Detail Optional					
	Max Use:	1					
	Purpose: Syntax Notes:		fy product subline detail item data her SLN04 or SLN05 is present, then the other is required.				
	Syntax Notes.		.N07 is present, then SLN06 is required.				
			N08 is present, then SLN06 is required.				
			her SLN09 or SLN10 is present, then the other is required. her SLN11 or SLN12 is present, then the other is required.				
		6 If eit	her SLN13 or SLN14 is present, then the other is required.				
			her SLN15 or SLN16 is present, then the other is required.				
			her SLN17 or SLN18 is present, then the other is required. her SLN19 or SLN20 is present, then the other is required.				
		10 If eit	her SLN21 or SLN22 is present, then the other is required.				
			her SLN23 or SLN24 is present, then the other is required. her SLN25 or SLN26 is present, then the other is required.				
			her SLN27 or SLN28 is present, then the other is required.				
Se	emantic Notes:		01 is the identifying number for the subline item.				
			02 is the identifying number for the subline level. The sublin is analogous to the level code used in a bill of materials.	ne			
			03 is the configuration code indicating the relationship of the	าย			
			ine item to the baseline item.	unt t	<u>_</u>		
			08 is a code indicating the relationship of the price or amo associated segment.	untu	0		
	Comments:	1 See	the Data Element Dictionary for a complete list of IDs.				
			01 is related to (but not necessarily equivalent to) the base number. Example: 1.1 or 1A might be used as a subline r		er		
			late to baseline number 1.				
			09 through SLN28 provide for ten different product/service				
			ach item. For example: Case, Color, Drawing No., U.P.C. No., Model No., or SKU.	NO.,			
	Notes:	SLN*CA	BGRPCFA*n*A*1*EA [SLN Loop repeats GROUPNUM (C	FAR	-11)		
		times]					
	P (5.4	Data Element Summary				
	Ref. <u>Des.</u>	Data <u>Element</u>	Name				
	<u>Attributes</u>						
М	SLN01	350	Assigned Identification	M	AN 1/20		
			Alphanumeric characters assigned for differentiation within set	nat	ransaction		
			"CABGRPCFA"				
	SLN02	350	Assigned Identification	0	AN 1/20		
			Alphanumeric characters assigned for differentiation withi set	nat	ransaction		
			"n" = nth assigned ID within SLN loop				
М	SLN03	662	Relationship Code	Μ	ID 1/1		
			Code indicating the relationship between entities				
		202	A Add	v			
	SLN04	380	Quantity	Х	R 1/15		

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			Numeric value of quantity 1 Always One		
	SLN05	C001	Composite Unit of Measure	Х	
м	C00101	355	To identify a composite unit of measure (See Figures examples of use) Unit or Basis for Measurement Code	s Appenc M	lix for
			Code specifying the units in which a value is being ex manner in which a measurement has been taken EA Each		

Segment:	SI Service Characteristic Identification
Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	 5000 SLN Optional Detail Optional >1 To specify service characteristic data 1 If either Sl04 or Sl05 is present, then the other is required. 2 If either Sl06 or Sl07 is present, then the other is required. 3 If either Sl08 or Sl09 is present, then the other is required. 4 If either Sl10 or Sl11 is present, then the other is required. 5 If either Sl12 or Sl13 is present, then the other is required. 6 If either Sl16 or Sl17 is present, then the other is required. 7 If either Sl16 or Sl17 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:	 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*K2*CABTYP (CFAR-13) SI*TI*K8*FIRST UNIT (CFAR-14) SI*TI*K9*LAST UNIT (CFAR-15) SI*TI*KR*INVSTAT (CFAR-18) SI*TI*PV*PCTAVAIL (CFAR-20)

Data Element Summary

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	<u>Attributes</u>					
М	SI01	559	Agency Qualifier	^r Code	Μ	ID 2/2
			Code identifying the	ne agency assigning the code values		
			TI	Telecommunications Industry		
Μ	SI02	1000	Service Characte	eristics Qualifier	М	AN 2/2
			Code from an induction characteristics	ustry code list qualifying the type of ser	vice	
			K2	Cable Identification		
			K8	First Unit		
			K9	Last Unit		
			KR	Status of Inventory		
			PV	Percent Available		
Μ	SI03	234	Product/Service	ID	М	AN 1/48
			Identifying number	r for a product or service		
			CABTYP (CFAR-1			
			FIRST UNIT (CFA	·		
			LAST UNIT (CFAF			
				18) = Inventory Status		
			PUTAVAIL (UPAR	R-20) = Percent Available		

Segment:	QTY Quantity				
Position:	5590				
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*40*QTYSPARE (CFAR-19)*EA				
	Data Element Summary				

	Ref. <u>Des.</u> Attributes	Data <u>Element</u>	Name		
М	QTY01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			40 Remaining Quantity		
	QTY02	380	Quantity	Х	R 1/15
			Numeric value of quantity		
			QTYSPARE (CFAR-19) = Quantity Spare		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Ap examples of use)	pend	ix for
М	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being express manner in which a measurement has been taken EA Each	₃sed,	or

Segment:	N1 Name
Position:	5760
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101.
Notes:	N1*ZZ*CFALOC
Ref.	Data Element Summary Data

Ref. <u>Des.</u> Attributes	Element	<u>Name</u>			
N101	98	Entity Identifier	Code	Μ	ID 2/3
		Code identifying a an individual ZZ	an organizational entity, a physical loo Mutually Defined	cation,	property or
N102	93	Name Free-form name "CFALOC"		Х	AN 1/60

Segment:	N2 A	Additional Name Information		
Position:	5780			
Loop:	N1 (Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	—			
Purpose:	To speci	fy additional names		
Syntax Notes:				
Semantic Notes:				
Comments:				
Notes:	N2*CAB	NM (CFAR-12)		
P (-	Data Element Summary		
Ref.	Data	M		
Des.	<u>Element</u>	<u>Name</u>		
<u>Attributes</u>	00	Nome		
M N201	93		М	AN 1/60
		Free-form name		
		CABNM (CFAR-12) = Cable Name		

NX2 Location ID Component Segment: Position: 6000 Loop: N1 Optional . Level: Detail Usage: Optional Max Use: >1 Purpose: To define types and values of a geographic location Syntax Notes: Semantic Notes: Comments: Notes: NX2*90*LOCA (CFAR-16)

NX2*91*LOCZ (CFAR-17)

М	ID 2/2
ation (ACT	TL)
APOT)	
М	AN 1/55
	ation (AC1 APOT)

Segment:	PO1 Baseline Item Data - Cable Pair Units Section
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:	 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*CABUNT [PO1 Loop will be used if RESPONSE (CFAR-9) = "G" and SEARCTHTYP (CFAR-10) = "U"]

Ref. <u>Des.</u>	Data <u>Element</u>	Name		
Attributes	050		•	
PO101	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation within set	n a ti	ransaction
		"n" = nth assigned ID with PO1 loop		
PO102	330	Quantity Ordered	Х	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	Unit or Basis for Measurement Code	0	ID 2/2
		Code specifying the units in which a value is being express manner in which a measurement has been taken EA Each	ssed	, or
PO106	235	Product/Service ID Qualifier	Х	ID 2/2
		Code identifying the type/source of the descriptive number Product/Service ID (234) ZZ Mutually Defined	r use	ed in
PO107	234	Product/Service ID	Х	AN 1/48
		Identifying number for a product or service		
		"CABUNT"		

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.
Semantic Notes:	 14 If ACK28 is present, then both ACK27 and ACK29 are required. 1 ACK29 Industry Reason Code may be used to identify the item
Semantic Notes:	 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*****SEARCHTYP (CFAR-10)*****************TI*CFA*RESPONSE
10163.	(CFAR-9)

			•		
	Ref. <u>Des.</u> Attributos	Data <u>Element</u>	Name		
м	Attributes ACK01	668	Line Item Status Code	М	ID 2/2
			Code specifying the action taken by the seller on a line it by the buyer IA Item Accepted	em r	equested
	ACK06	326	Request Reference Number	0	AN 1/45
			Reference number or RFQ number to use to identify a pa transaction set and query (additional reference number or which can be used with contract number)		
	4.01/07	550	SEARCHTYP(CFAR-10) = Search Type	v	
	ACK27	559	Agency Qualifier CodeCode identifying the agency assigning the code valuesTITelecommunications Industry	Х	ID 2/2
	ACK28	822	Source Subqualifier	Х	AN 1/15
			A reference that indicates the table or text maintained by Qualifier "CFA"	the	Source
	ACK29	1271	Industry Code	Х	AN 1/30
			Code indicating a code from a specific industry code list		
			RESPONSE (CFAR-9) = Response		

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*V2*UNITNUM (CFAR-21)*EA
	Data Element Summary

	Ref.	Data			
	Des.	<u>Element</u>	Name		
	<u>Attributes</u>				
М	QTY01	673	Quantity Qualifier	Μ	ID 2/2
			Code specifying the type of quantity		
			V2 Available Quantity		
	QTY02	380	Quantity	Х	R 1/15
			Numeric value of quantity		
			UNITNUM (CFAR-21) = Number of Units		
	QTY03	C001	Composite Unit of Measure	0	
			To identify a composite unit of measure (See Figures Ap examples of use)	pend	lix for
Μ	C00101	355	Unit or Basis for Measurement Code	Μ	ID 2/2
			Code specifying the units in which a value is being expre manner in which a measurement has been taken EA Each	ssed,	, or

Segment:	SLN	Subline Item Detail		
Position:	4900			
Loop:	SLN	Optional		
Level:	Detail			
Usage:	Optional			
Max Use: Purpose:	1 To speci	y product subline detail item data		
Syntax Notes:		her SLN04 or SLN05 is present, then the other is required		
•		N07 is present, then SLN06 is required.	-	
		N08 is present, then SLN06 is required.		
		ner SLN09 or SLN10 is present, then the other is required		
		her SLN11 or SLN12 is present, then the other is required		
		her SLN13 or SLN14 is present, then the other is required her SLN15 or SLN16 is present, then the other is required		
		her SLN13 of SLN16 is present, then the other is required		
		her SLN19 or SLN20 is present, then the other is required		
		ner SLN21 or SLN22 is present, then the other is required		
		ner SLN23 or SLN24 is present, then the other is required		
		her SLN25 or SLN26 is present, then the other is required		
Semantic Notes:		ner SLN27 or SLN28 is present, then the other is required 01 is the identifying number for the subline item.	•	
Semantic Notes.		D2 is the identifying number for the subline level. The subli	ine	
		is analogous to the level code used in a bill of materials.		
	3 SLN	03 is the configuration code indicating the relationship of t	he	
		ne item to the baseline item.		
		08 is a code indicating the relationship of the price or amo	ount to	D
Comments:		ssociated segment. the Data Element Dictionary for a complete list of IDs.		
Comments.		01 is related to (but not necessarily equivalent to) the basi	eline	
		number. Example: 1.1 or 1A might be used as a subline i		er
		ate to baseline number 1.		
		09 through SLN28 provide for ten different product/service		
		ach item. For example: Case, Color, Drawing No., U.P.C.	No.,	
Notes:		l No., Model No., or SKU. 3UNTCFA*n*A*1*EA [SLN Loop repeats UNITNUM (CFAI	- 21)	timesl
1000			(21)	
		Data Element Summary		
Ref.	Data			
<u>Des.</u>	<u>Element</u>	Name		
Attributes SLN01	350	Assigned Identification	м	AN 1/20
J SENOT	550	Alphanumeric characters assigned for differentiation with		
		set	mat	ransaction
		"CABUNTCFA"		
SLN02	350	Assigned Identification	0	AN 1/20
		Alphanumeric characters assigned for differentiation with	in a t	ransaction
		set		
		"n" = nth assigned ID within SLN loop		
I SLN03	662	Relationship Code	Μ	ID 1/1
		Code indicating the relationship between entities		
		A Add		

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SLN04

М

Μ

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Quantity

380

X R 1/15

			Numeric value of quantity 1 Always One		
	SLN05	C001	Composite Unit of Measure	Х	
			To identify a composite unit of measure (See Figures examples of use)		
М	C00101	355	Unit or Basis for Measurement Code	М	ID 2/2
			Code specifying the units in which a value is being exp manner in which a measurement has been taken EA Each	ressed	, or

Segment:	SI Service Characteristic Identification
Position: Loop: Level: Usage: Max Use: Purpose: Syntax Notes:	 5000 SLN Optional Detail Optional >1 To specify service characteristic data 1 If either Sl04 or Sl05 is present, then the other is required. 2 If either Sl06 or Sl07 is present, then the other is required. 3 If either Sl08 or Sl09 is present, then the other is required. 4 If either Sl10 or Sl11 is present, then the other is required. 5 If either Sl12 or Sl13 is present, then the other is required. 6 If either Sl14 or Sl15 is present, then the other is required. 7 If either Sl18 or Sl19 is present, then the other is required.
	9 If either SI20 or SI21 is present, then the other is required.
Semantic Notes:	• • •
Comments:	 SI01 defines the source for each of the service characteristics qualifiers.
Notes:	SI*TI*K7*UNIT (CFAR-24) SI*TI*K2*CABTYP (CFAR-23) SI*TI*ZC*CURACT (CFAR-30) SI*TI*SS*PNDACT (CFAR-31) SI*TI*KO*CKTID/CLO (CFAR-33)

Data Element Summary

	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
	Attributes					
М	SI01	559	Agency Qualifier	r Code	Μ	ID 2/2
			Code identifying the	ne agency assigning the code values		
			П	Telecommunications Industry		
Μ	SI02	1000	Service Characte	eristics Qualifier	Μ	AN 2/2
			Code from an induction characteristics	ustry code list qualifying the type of ser	vice	
			K2	Cable Indentification		
			K7	Unit		
			KO	Circuit ID/Circuit Layout Order Numb	er	
			SS	Service Sub-Category		
			ZC	Current Activity		
Μ	SI03	234	Product/Service	ID	Μ	AN 1/48
			Identifying numbe	r for a product or service		
			PNDACT (CFAR-		Numt	ber

Segment:	PID	Product/Item Description		
Position:	5100			
Loop:	SLN	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	1000			
Purpose:		ibe a product or process in coded or free-form format		
Syntax Notes:		D04 is present, then PID03 is required. ast one of PID04 or PID05 is required.		
		D07 is present, then PID03 is required.		
		D08 is present, then PID04 is required.		
		D09 is present, then PID05 is required.		
Semantic Notes:		PID03 to indicate the organization that publishes the code	e list	
		g referred to.		
	2 PIDO	04 should be used for industry-specific product description		
	code			
		08 describes the physical characteristics of the product ide		d
		D04. A "Y" indicates that the specified attribute applies to) this	
		; an "N" indicates it does not apply. Any other value is		
		terminate. 99 is used to identify the language being used in PID05.		
Comments:		D01 equals "F", then PID05 is used. If PID01 equals "S", the	hen	
oonnents.		04 is used. If PID01 equals "X", then both PID04 and PID05		
	usec	•	, are	
		PID06 when necessary to refer to the product surface or la	ayer	
	bein	g described in the segment.		
		07 specifies the individual code list of the agency specified	in	
	PIDO			
Notes:		TI*ASGTRSTN*ASGTRSTN(CFAR-29)		
		T*DIVIND***SO-RSQ*D (CFAR-32)		
		Data Element Summary		
Ref.	Data			
Des.	Element	Name		
<u>Attributes</u>				
I PID01	349	Item Description Type	М	ID 1/1
		Code indicating the format of a description		
		S Structured (From Industry Code List)		
PID03	559	Agency Qualifier Code	Х	ID 2/2
		Code identifying the agency assigning the code values		
		TI Telecommunications Industry		
PID04	751	Product Description Code	Х	AN 1/12
		A code from an industry code list which provides specific	data	
		product characteristic		

	PID07

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PID05

352

822

М

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Assignment Restriction

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

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

Diversity Indicator

ASGTRSTN (CFAR-29) = Assignment Restriction Code

ASGTRSTN

Source Subqualifier

DIVIND

Description

content

0

X AN 1/80

AN 1/15

PID08	1073	Qualifier SO-RSQ Service Order - Reseller Questions Yes/No Condition or Response Code Code indicating a Yes or No condition or response	s list O	ID 1/1
		D (CFAR-32) = Diversity Indicator Y = (DWS : Y - Yes) Blank = (DWS : Blank)		

	Segment:		Date/Time Reference			
	•					
	Position:	5500	Ontional			
	Loop:	SLN Datail	Optional			
	Level:	Detail				
	Usage:	Optional	tional			
	Max Use:	10 Ta an ai				
	Purpose:	•	becify pertinent dates and times			
	Syntax Notes:		east one of DTM02 DTM03 or DTM05 is required.			
			M04 is present, then DTM03 is required.			
•		3 If eit	her DTM05 or DTM06 is present, then the other is required.			
Se	emantic Notes:					
	Comments:					
	Notes: DTM*150*DUEDT{CCYYMMDD} (CFAR-34)					
	- <i>i</i>		Data Element Summary			
	Ref.	Data				
	Des.	<u>Element</u>	<u>Name</u>			
-	<u>Attributes</u>	a- <i>i</i>				
n	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		
	211102	010		21 0/0		
			Date expressed as CCYYMMDD			
			DUEDT(CFAR-34) = Due Date			

М

Segment:	N1 Name				
Position:	5760				
Loop:	N1 Optional				
Level:	Detail				
Usage:	Optional				
Max Use:	1				
Purpose:	To identify a party by type of organization, name, and code				
Syntax Notes:	1 At least one of N102 or N103 is required.				
	2 If either N103 or N104 is present, then the other is required.				
Semantic Notes:					
Comments:	 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party. N105 and N106 further define the type of entity in N101. 				
Notes:	N1*ZZ*CFALOC				
Ref.	Data Element Summary Data				

Ref. <u>Des.</u> <u>Attributes</u>	Data <u>Element</u>	<u>Name</u>			
N101	98	Entity Identifier	Code	М	ID 2/3
		Code identifying a an individual ZZ	an organizational entity, a phys Mutually Defined	ical location,	property or
N102	93	Name Free-form name "CFALOC"		X	AN 1/60

Segment:	N2 A	dditional Name Information			
Position:	5780				
Loop:	N1 (Optional			
Level:	Detail				
Usage:	Optional				
Max Use:	: 2				
Purpose:	To speci	fy additional names			
Syntax Notes:					
Semantic Notes:					
Comments:					
Notes:	Notes: N2*CABNM (CFAR-22)				
		Data Floment Summany			
Ref.	Data	Data Element Summary			
		Nama			
<u>Des.</u> Attributes	<u>Element</u>	Name			
M N201	93	Name	м	AN 1/60	
	55		141		
		Free-form name			
		CABNM(CFAR-22) = Cable Name			

Purpose: To define types and values of a geographic location Syntax Notes: Semantic Notes: Comments: Difference of the type is	
Notes: NX2*21*SUBDF (CFAR-27) NX2*63*SUBDT (CFAR-28)	
NX2 83 SOBDT (CFAR-26) NX2*90*LOCA (CFAR-25)	
NX2*91*LOCZ (CFAR-26)	
Data Element Summary	
Ref. Data	
<u>Des. Element Name</u> Attributes	
M NX201 1106 Address Component Qualifier M ID 2/2	
Code qualifying the type of address component	
21 Subdivision	
63 Secondary Unit Identifier	
90 Access Customer Terminal Location (ACTL)	
91 Additional Point of Termination (APOT)	
M NX202 166 Address Information M AN 1/5	
Address information	
SUBDF (CFAR-27) = Subdivision From SUBDT (CFAR-28) = Subdivision To LOCA (CFAR-25) = Location A LOCZ (CFAR-26) = Location Z	

Segment:	СТТ	 Transaction Totals 				
Position:	0100					
Loop:	CTT					
Level:	Summary					
Usage:	Optional					
Max Use:	e: 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 eit	her CTT05 or CTT06 is present, then the other is required.				
Semantic Notes:						
Comments:						
Notes:						
	_	Data Element Summary				
Ref.	Data					
Des.	<u>Element</u>	<u>Name</u>				
Attributes CTT01	354	Number of Line Items	М	N0 1/6		

Total number of line items in the transaction set

Segment:	SE T	ransaction Set Trailer			
	0300				
Loop:					
Level:	Summary				
Usage:	Mandatory				
Max Use:	1				
-	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:	U	,			
Semantic Notes:					
Comments:	1 SE is	s the last segment of each transaction set.			
Notes:	SE*Number of Segments*TRAN SET CONTROL #				
		Data Element Summary			
Ref.	Data				
Des. E	<u>Element</u>	Name			
<u>Attributes</u>				_	
I SE01	96	Number of Included Segments	N	N0 1/10	
	Total number of segments included in a transaction set including ST and SE segments				
I SE02	329	Transaction Set Control Number	N	AN 4/9	
	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Μ

Μ