Directory Service Request Error Detail (DSRED)
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64. Directory Service Request Error Detail (DSRED)

64.1 Business Description

The Directory Service Request Error Detail (DSRED) is prepared by Qwest and is forwarded to the CLEC. It is returned as a result of a Directory Service Request (DSR) Form requesting listing(s). The DSRED will be returned if the requester specifies that the confirmation should contain error detail, or may be initiated at any time by the provider when errors are encountered in processing a directory listing request.

The DSRED Form provides the customer with the error information necessary for control, tracking and correction of errors from the applicable request(s) for directory services

64.2 Business Model

See Chapter 63 - Facility Based Directory Listings, Section 63.2 - Business Model

64.3 Developer Worksheets

See Appendix D - Developer Worksheets - Post Order

64.4 Trading Partner Access Information

See Chapter 63 - Facility Based Directory Listings, Section 63.4 - Trading Partner Access Information

64.5 855 Directory Service Request Error Detail Mapping Example (855DSRED) – 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: DSRD = Directory Service Request Error Detail (DSRED)	DSRD-1
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*855*TRAN SET CONTROL #
BAK*??*??* **PON**[DSRD-1]*PO Date (See Trading Partner Access Information)
    Where ?? = The combination of BAK01 and BAK02 determines the response type.
    Only one of the three response types listed below are allowed for each 855 transaction.
REF*11* **AN**[DSRD-8]*AN
REF*2I* **LSR NO**[DSRD-2]
N9*8X* *PONHDR* **LECODE**[DSRD-12a]
MTX** **REMARKS**[DSRD-12b]
N9*ACC* *PONDTR* **LECODE**[DSRD-12a] [N9 Loop may repeat]
MTX** **REMARKS**[DSRD-12b]
N1*78* **CCNA**[DSRD-3]

Response Type of "Confirmation" – Listing request accepted as is, no errors exist, IF BAK01 = 06 and BAK02 = AT.

PO1*n*1*EA***<u>ZZ</u>* *DSRED*   [PO1 Loop may repeat]
SI*TI*TN* **LTN**[DSRD-19]
SI*TI*NS* **NSTN**[DSRD-20]
REF*LI* **ALI**[DSRD-18]
N9*82* *LISTDTR* **LECODE**[DSRD-21] [N9 Loop may repeat]
MTX** **REMARKS**[DSRD-23]

Response Type of "Accepted With Change" - Listing request accepted with changes as indicated, IF BAK01 = 06 and BAK02 = AC.

PO1*n*1*EA***ZZ*_DLCHG_   [PO1 Loop may repeat]
SI*TI*TN*_**LTN**_^{DSRD-19}
SI*TI*NS*_**NSTN**_^{DSRD-20}
REF*LI*_**ALI**_^{DSRD-18}
N9*82*_LISTDTR_*_**LECODE**_^{DSRD-21}   [N9 Loop may repeat]
MTX**_**REMARKS**_^{DSRD-23}

Response Type of "Rejected" - Listing request rejected due to fatal DSR-level error(s), indicated, IF BAK01 = 44 and BAK02 = RF.

PO1*n*1*EA***ZZ*DLERR   [PO1 Loop may repeat]
SI*TI*TN*_**LTN**_^{DSRD-19}
SI*TI*NS*_**NSTN**_^{DSRD-20}
REF*LI*_**ALI**_^{DSRD-18}
N9*1Q*_LISTDTR_*_**LECODE**_^{DSRD-21} [N9 Loop may repeat]
MTX**_**REMARKS**_^{DSRD-23}

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

64.6 Data Dictionary

64.6.1 855 Directory Service Request Error Detail (855DSRED) - Version 4020

Functional Group ID=PR

Introduction:

The 855DSRED will be used by Qwest to respond to a Facility Based Directory Listing order from a Co-Provider.

This implementation guideline is based on the following:
1. ANSI ASC X12 Version 4020.
2. LSOG 5 and Qwest assigned fields

Notes:

This 855 Transaction includes the mapping for Directory Service Request Error Detail.

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		
			LOOP ID - N9			1000	
	2800	N9	Reference Identification	O	1		
	2900	MTX	Text	O	>1		
			LOOP ID - N9			1000	
	2800	N9	Reference Identification	O	1		
	2900	MTX	Text	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	O	1		n1
	0180	SI	Service Characteristic Identification	O	>1		
	1000	REF	Reference Identification	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	O	1		n2
0180	SI	Service Characteristic Identification	O	>1		
1000	REF	Reference Identification	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	O	1		n3
0180	SI	Service Characteristic Identification	O	>1		
1000	REF	Reference Identification	O	>1		
		LOOP ID - N9			1000	
3500	N9	Reference Identification	O	1		
3600	MTX	Text	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		n4
M	0300	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

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

	ST Transaction Set Header
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. Attributes	Data Element	Name		
M	ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
			Code uniquely identifying a Transaction Set		
			855 Purchase Order Acknowledgment		
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		
			TRAN SET CONTROL #		

		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*??*??*PON (DSRD-1)*PO DATE (See Trading Partner Access Information)
   Where ?? = The combination of BAK01 and BAK02 determines the response type.
   Only one of the three response types listed below are allowed for each 855 transaction.

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	BAK01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			06 Confirmation		
			44 Rejection		
M	BAK02	587	**Acknowledgment Type**	M	ID 2/2
			Code specifying the type of acknowledgment		
			AC Acknowledge - With Detail and Change		
			AT Accepted		
			RF Reject with Exception Detail Only		
M	BAK03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser		
			PON (DSRD-1) = Purchase Order Number		
M	BAK04	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			PO Date = Purchase Order Date (See Trading Partner Access Information)		

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*11*AN (DSRD-8)*AN
	REF*2I*LSR NO (DSRD-2)

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			Number identifies a telecommunications industry account		
			2I Tracking 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		
			AN (DSRD-8) = Account Number		
			LSR NO (DSRD-2) = LSR Number		
	REF03	352	**Description**	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"AN"		

Segment: # N9 Reference Identification

Position:	2800
Loop:	N9 Optional
Level:	Heading
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*8X*PONHDR*LECODE (DSRD-12a)

Data Element Summary

Ref. Des. Attributes		Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			8X Transaction Category or Type		
	N902	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			"PONHDR"		
	N903	369	**Free-form Description**	X	**AN 1/45**
			Free-form descriptive text		
			LECODE (DSRD-12a) = Listing Error Code		

Segment:	**MTX** Text	
Position:	2900	
Loop:	N9 Optional	
Level:	Heading	
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**REMARKS (DSRD-12b)	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (DSRD-12b) = Remarks		

	Segment:	**N9** Reference Identification		

Position: 2800
Loop: N9   Optional
Level: Heading
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*ACC*PONDTR*LECODE (DSRD-12a) [N9 Loop may repeat]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	**N901**	**128**	**Reference Identification Qualifier**	M	**ID 2/3**
			Code qualifying the Reference Identification		
			ACC Status		
	N902	**127**	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			"PONDTR"		
	N903	**369**	**Free-form Description**	X	**AN 1/45**
			Free-form descriptive text		
			LECODE (DSRD-12a) = Listing Error Code		

Segment:	**MTX** Text
Position:	2900
Loop:	N9 Optional
Level:	Heading
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**REMARKS (DSRD-12b)

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
MTX02	1551	**Message Text**	X	AN 1/4096	
		To transmit large volumes of message text			
		REMARKS (DSRD-12b) = Remarks			

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 (DSRD-3)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
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 (DSRD-3) = Customer Carrier Name Abbreviation		

Segment:	**PO1** Baseline Item Data

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:	Response type of "Confirmation" - Listing request accepted as is, no errors exist, IF BAK01 = 06 and BAK02 = AT. PO1*n*1*EA***ZZ*DSRED [PO1 Loop may repeat]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		"DSRED"		

Segment:	**SI** Service Characteristic Identification			

Position:	0180
Loop:	PO1 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*TN*LTN (DSRD-19)
	SI*TI*NS*NSTN (DSRD-20)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
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		
		NS Non-Standard Telephone Number		
		TN Telephone Number		
M **SI03**	234	**Product/Service ID**	M	**AN 1/48**
		Identifying number for a product or service		
		LTN (DSRD-19) = Listed Telephone Number		
		NSTN (DSRD-20) = Non Standard Telephone Numbers		

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*LI*ALI (DSRD-18)

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			LI Line Item Identifier (Seller's)		
	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		
			ALI (DSRD-18) = Alpha/Numeric Listing Identifier Code		

	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*82*LISTDTR*LECODE (DSRD-21) [N9 Loop may repeat]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			82 Data Item Description (DID) Reference		
			Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			"LISTDTR"		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
			LECODE (DSRD-21) = Listing Error Code		

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**REMARKS (DSRD-23)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (DSRD-23) = Remarks		

Segment:	**PO1** Baseline Item Data

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:	Response type of "Accepted with Change" - Listing request accepted with changes as indicated, IF BAK01 = 06 and BAK02 = AC.
	PO1*n*1*EA***ZZ*DLCHG [PO1 Loop may repeat]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		"DLCHG"		

Segment:		**SI** Service Characteristic Identification			
Position:	0180				
Loop:	PO1	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*TN*LTN (DSRD-19)				
	SI*TI*NS*NSTN (DSRD-20)				

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
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		
			NS Non-Standard Telephone Number		
			TN Telephone Number		
M	SI03	234	**Product/Service ID**	M	AN 1/48
			Identifying number for a product or service		
			LTN (DSRD-19) = Listed Telephone Number		
			NSTN (DSRD-20) = Non Standard Telephone Numbers		

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*LI*ALI (DSRD-18)

Data Element Summary

Attributes	Ref. Des.	Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			LI Line Item Identifier (Seller's)		
	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		
			ALI (DSRD-18) = Alpha/Numeric Listing Identifier Code		

	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*82*LISTDTR*LECODE (DSRD-21) [N9 Loop may repeat]

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			82 Data Item Description (DID) Reference		
			Specific data elements that the government will ask a contractor to provide and are spelled out in specific requirement documents		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			"LISTDTR"		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
			LECODE (DSRD-21) = Listing Error Code		

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**REMARKS (DSRD-23)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	AN 1/4096
		To transmit large volumes of message text		
		REMARKS (DSRD-23) = Remarks		

Segment:	**PO1** Baseline Item Data	

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:	Response type of "Rejected" - Listing request rejected due to fatal DSR-level error(s), IF BAK01 = 44 and BAK02 = RF.
	PO1*n*1*EA***ZZ*DLERR [PO1 Loop may repeat]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
PO101	350	**Assigned Identification**	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID within PO1 Loop		
PO102	330	**Quantity Ordered**	X	R 1/15
		Quantity ordered		
		1 Always One		
PO103	355	**Unit or Basis for Measurement Code**	O	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
		EA Each		
PO106	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		ZZ Mutually Defined		
PO107	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
		"DLERR"		

	Segment:	**SI** Service Characteristic Identification

Segment: **SI** Service Characteristic Identification

Position: 0180
Loop: PO1   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*TN*LTN (DSRD-19)
SI*TI*NS*NSTN (DSRD-20)

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
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		
		NS Non-Standard Telephone Number		
		TN Telephone Number		
M **SI03**	234	**Product/Service ID**	M	**AN 1/48**
		Identifying number for a product or service		
		LTN (DSRD-19) = Listed Telephone Number		
		NSTN (DSRD-20) = Non Standard Telephone Numbers		

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*LI*ALI (DSRD-18)

Data Element Summary

Ref. Des. Attributes		Data Element	Name		
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			LI Line Item Identifier (Seller's)		
	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		
			ALI (DSRD-18) = Alpha/Numeric Listing Identifier Code		

	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*LISTDTR*LECODE (DSRD-21)   [N9 Loop may repeat]

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	N901	128	**Reference Identification Qualifier**	M ID 2/3

Code qualifying the Reference Identification

   1Q   Error Identification Code

                  Qualifies a single number that describes an error found in application-level data

| | N902 | 127 | **Reference Identification** | X   AN 1/30 |

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

"LISTDTR"

| | N903 | 369 | **Free-form Description** | X   AN 1/45 |

Free-form descriptive text

LECODE (DSRD-21) = Listing Error Code

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**REMARKS (DSRD-23)	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
MTX02	1551	**Message Text**	X	**AN 1/4096**
		To transmit large volumes of message text		
		REMARKS (DSRD-23) = Remarks		

			Segment:	**CTT** Transaction Totals

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

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**	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		