

Status Updates – Auto Push

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60. STATUS UPDATES

60.1 Business Description

CLECs may choose whether they wish to receive notification of “highly significant” status changes to requests/orders when that status change does not have an EDI transactions generated from IMA EDI (i.e. FOCs, Rejects, Completions, and Jeopardies). The Status Update function provides the status change notification to CLECs that have elected to receive this information. The “highly significant” status changes include certain changes in status on the LSR as well as certain changes in status on the related service orders. A status change notification is provided when the request/orders assume statuses associated with the following significant events:

Status	Description	Cause	Action Required
LSR Statuses			
Error	An error on the request has been identified.	Automatic flow-through failed, causing the Qwest service center to process the request manually.	If an error status is sent for an LSR that is eligible for flow-through, the Qwest service center has switched the processing to manual. Continue to monitor the status.
Hold	The request has been placed on hold.	A related order has been placed on hold.	Continue to monitor the status.

Status	Description	Cause	Action Required
Order Statuses			
Jeopardy	The order is in jeopardy.	Jeopardy conditions occurred in either the facility assignment process or the physical provisioning process.	Use the jeopardy code list in the IMA Errors Memo to determine the cause of the jeopardy. If the jeopardy is caused by non-Qwest conditions, work to resolve the conditions. If the jeopardy causes the DDD to be missed, send a supplemental LSR with a new DDD. Otherwise, continue to monitor the status.

Status	Description	Cause	Action Required
			-OR- If the jeopardy is caused by Qwest conditions, Qwest will negotiate a new DDD with the CLEC and send a new FOC.
Hold	The order has been placed on hold.	Facilities do not exist.	Continue to monitor the status.
Order Completed	The physical work for the order has been completed.	The physical provisioning has been completed for the service order, as logged in the Qwest WFA systems.	None.
Posted To Be Billed	Billing work has been completed.	Occurs after the service order has been posted successfully to the Qwest billing system (CRIS) and is waiting to be billed.	None.

In order to receive status change notifications via EDI, a CLEC must request these notification by calling the wholesale systems help desk. Notification can be generated at the LSR level, the Qwest internal service order level, or both. If a CLEC chooses to receive notifications, notifications will be generated for all LSRs and/or Qwest internal service orders.

60.2 Business Model

See Appendix H

60.3 Developer Worksheets

See Appendix D - Developer Worksheets - Post Order

60.4 Mapping Examples

60.4.1 855 Status Update-Auto Push (855 SU) – 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: SU = Status Updates	^{SU-1}
<i>Italics</i> = Literal	<i>GOOD</i>
<u>Underline</u> = Apply code conversion, used with Bold/Italics . Code conversion tables can be found in the data dictionary of this disclosure.	<u>ACT</u>
[] = 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*08*NA*^{SU-4}**PON***PO Date (See Trading Partner Access Information)
 REF*11*^{SU-6}**AN***AN
 REF*V0*^{SU-5}**VER*****VER**
 REF*5E*^{SU-7}**LSR ID*****ID**
 DTM*097***D/TSENT**{CCYYMMDD}^{SU-3}***D/TSENT**{HHMM}^{SU-3}
 DTM*150***DDD**{CCYYMMDD}^{SU-8}
 DTM*367***ORDERDUE**{CCYYMMDD}^{SU-11}
 N1*78*^{SU-1}**CCNA**
 N1*BY**25*^{SU-2}**CC**

STATUS

PO1*n*1*EA***ZZ***STATUS**
 N9*ACC*^{SU-9}**LSRSTAT*****LSRSTAT**
 N9*55*^{SU-10}**ORDNUM*****ORDNUM**
 N9*ACC*^{SU-12}**ORDSTAT*****ORDSTAT**

CTT*Number of PO1 Segments
 SE*No of Segments*TRAN SET CONTROL #

60.5 Data Dictionary

60.5.1 855 Status Update - Auto Push

Functional Group ID=**PR**

Introduction:

The Auto-push mechanism will be used to pro-actively notify the co-provider when the request/orders assumes new statuses.

This implementation guideline references the following:

1. LSOG 5, when applicable, and Qwest Inc. assigned fields.
2. ANSI ASC X12 Version 4020
3. TCIF/SOSC Guidelines Issue 10, ELMS 5

Notes:

This 855 Transaction includes the mapping for Status Update.

Heading:

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

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						LOOP ID - PO1	100000
	0100	PO1	Baseline Item Data - STATUS	O	1		n1
						LOOP ID - N9	1000
	3500	N9	Reference Identification	O	1		
						LOOP ID - N9	1000
	3500	N9	Reference Identification	O	1		
						LOOP ID - N9	1000
	3500	N9	Reference Identification	O	1		

Summary:

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

Transaction Set Notes

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

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

Semantic Notes:

- 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Notes: ST*855*TRAN SET CONTROL #

Data Element Summary

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

Segment: **BAK** Beginning Segment for Purchase Order Acknowledgment

Position: 0200

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of the Purchase Order Acknowledgment Transaction Set and transmit identifying numbers and dates

Syntax Notes:

Semantic Notes:

- 1 BAK04 is the date assigned by the purchaser to purchase order.
- 2 BAK08 is the seller's order number.
- 3 BAK09 is the date assigned by the sender to the acknowledgment.

Comments:

Notes: BAK*08*NA*PON (SU-4)*PO Date (See Trading Partner Access Information)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>		
	<u>Des.</u>	<u>Element</u>			
M	BAK01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 08 Status	M	ID 2/2
M	BAK02	587	Acknowledgment Type Code specifying the type of acknowledgment NA No Acknowledgment Needed	M	ID 2/2
M	BAK03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser PON (SU-4) = Purchase Order Number	M	AN 1/22
M	BAK04	373	Date Date expressed as CCYYMMDD PO Date = Purchase Order Date (See Trading Partner Access Information)	M	DT 8/8

Segment: **REF** Reference Identification
Position: 0500
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:
Notes:

```

REF*11*AN (SU-6)*AN
REF*V0*VER (SU-5)*VER
REF*5E*LSR ID (SU-7)*ID

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Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	REF01	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			11 Account Number		
			Number identifies a telecommunications industry account		
			5E Consumer Identifier		
			V0 Version		
	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 (SU-6) = Account Number		
			VER (SU-5) = Version Identification		
			LSR ID (SU-7) = LSR Identification		
	REF03	352	Description	X	AN 1/80
			A free-form description to clarify the related data elements and their content		
			"AN"		
			"VER"		
			"ID"		

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} (SU-3)*D/TSENT{HHMM} (SU-3)
 DTM*150*DDD{CCYYMMDD} (SU-8)
 DTM*367*ORDERDUE{CCYYMMDD} (SU-11)

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>		
M	DTM01	374	Date/Time Qualifier		M	ID 3/3
				Code specifying type of date or time, or both date and time		
				097 Transaction Creation 150 Service Period Start 367 Due to Customer Date an item is due to a customer		
	DTM02	373	Date		X	DT 8/8
			Date expressed as CCYYMMDD			
			D/TSENT (SU-3) = Date and Time Sent			
			DDD (SU-8) = Desired Due Date			
			ORDERDUE (SU-11) = Order Due			
	DTM03	337	Time		X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
			D/TSENT (SU-3) = Date and Time Sent			

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 (SU-1)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M	ID 2/3
		78	Service Requester		
	N102	93	Name Free-form name	X	AN 1/60
			CCNA (SU-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*BY**25*CC (SU-2)

Data Element Summary

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

Segment: **PO1** **Baseline Item Data - STATUS**

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*STATUS

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
PO101	350	Assigned Identification	O	AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set		
		"n" = nth assigned ID in 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		
		"STATUS"		

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*ACC*LSRSTAT (SU-9)*LSRSTAT

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification ACC Status	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier LSRSTAT (SU-9) = LSR Status	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text "LSRSTAT"	X	AN 1/45

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*55*ORDNUM (SU-10)*ORDNUM

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification 55 Sequence Number	M	ID 2/3
	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ORDNUM (SU-10) = Order Number	X	AN 1/30
	N903	369	Free-form Description Free-form descriptive text "ORDNUM"	X	AN 1/45

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*ACC*ORDSTAT (SU-12)*ORDSTAT

Data Element Summary

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

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

	<u>Ref.</u> <u>Des.</u> <u>Attributes</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		
M	CTT01	354	Number of Line Items Total number of line items in the transaction set Number of PO1 Segments	M	NO 1/6

Segment: **SE** Transaction Set Trailer
Position: 0300
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Semantic Notes:

Comments:

Notes:

1 SE is the last segment of each transaction set.

SE*Number of Segments*TRAN SET CONTROL #

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		
M	SE01	96	Number of Included Segments	M	NO 1/10
			Total number of segments included in a transaction set including ST and SE segments		
			Number of 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		
			TRAN SET CONTROL #		