



870 Order Status Report

X12/V4010/870 : 870 Order Status Report

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870

Order Status Report

Functional Group=**RS**

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Report Transaction Set (870) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to report on the current status of a requirement forecast, an entire purchase order, selected line items on a purchase order, selected products/services on a purchase order, or purchase orders for a specific customer in their entirety or on a selection basis. The transaction set can also be used to report on the current status of single or multiple requisitions. The report format allows for the inclusion of "reasons" relative to the status. This transaction set may also be used to update the supplier's scheduled shipment or delivery dates. This transaction set can result from either an inquiry or a prearranged schedule agreed to by the trading partners.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BSR	Beginning Segment for Order Status Report	M	1			Must use

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - HL</u>					<u>1000</u>		
010	HL	Hierarchical Level	M	1			Must use
020	PRF	Purchase Order Reference	O	1			Must use
<u>LOOP ID - ISR</u>					<u>104</u>		
030	ISR	Item Status Report	O	1			Must use
<u>LOOP ID - PO1</u>					<u>1000</u>		
150	PO1	Baseline Item Data	O	1			Must use
180	PID	Product/Item Description	O	1000			Optional
<u>LOOP ID - ISR</u>					<u>104</u>		
210	ISR	Item Status Report	O	1			Must use
230	QTY	Quantity	O	4			Must use
240	DTM	Date/Time Reference	O	10			Must use

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
Code Name						
870 Order Status Report						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

EXAMPLES:

ST*870*0001~

BSR Beginning Segment for Order Status Report

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Purpose: To indicate the beginning of an Order Status Report Transaction Set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSR01	850	Status Report Code	M	ID	1/2	Must use
Description: Code indicating the reason for sending the report						
Code Name						
2 Prearranged Schedule or Agreement						
BSR02	847	Order/Item Code	M	ID	1/2	Must use
Description: Code identifying a group of orders and items						
Code Name						
CO All Orders - Unshipped Items						
BSR03	127	Reference Identification	M	AN	1/30	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
BSR04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
User Note 1: BSR04 indicates the date of this report from the sender.						

EXAMPLES:

BSR*2*CO*40033473*20160616~

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure						
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
Description: Code defining the characteristic of a level in a hierarchical structure						
<u>Code</u> <u>Name</u>						
O Order						

EXAMPLES:

HL*1**O~

PRF Purchase Order Reference

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Must use

Purpose: To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
PRF04	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						

EXAMPLES:

PRF*PPPQ4326***20160616~

ISR Item Status Report

Pos: 030	Max: 1
Detail - Optional	
Loop: ISR	Elements: 1

User Option (Usage): Must use

Purpose: To specify detailed purchase order/item status

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISR01	368	Shipment/Order Status Code	M	ID	2/2	Must use

Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Code Name

HQ	Held Awaiting Qualification
IN	In Process
NN	Not in Process - No Shipping Schedule

EXAMPLES:

ISR*IN~

PO1 Baseline Item Data

Pos: 150	Max: 1
Detail - Optional	
Loop: PO1	Elements: 12

User Option (Usage): Must use

Purpose: To specify basic and most frequently used line item data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	O	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
User Note 1: Should match PO Line number provided by CDW on the 850						
PO102	330	Quantity Ordered	X	R	1/15	Must use
Description: Quantity ordered						
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code Name						
EA Each						
PO104	212	Unit Price	X	R	1/17	Used
Description: Price per unit of product, service, commodity, etc.						
PO106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
BP Buyer's Part Number						
PO107	234	Product/Service ID	X	AN	1/48	Must use
Description: Identifying number for a product or service						
PO108	235	Product/Service ID Qualifier	X	ID	2/2	Must use
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
MG Manufacturer's Part Number						
PO109	234	Product/Service ID	X	AN	1/48	Must use
Description: Identifying number for a product or service						
PO110	235	Product/Service ID Qualifier	X	ID	2/2	Used
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
Code Name						
VP Vendor's (Seller's) Part Number						

PO111	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

PO112	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code Name

UP U.P.C. Consumer Package Code (1-5-5-1)

PO113	234	Product/Service ID	X	AN	1/48	Used
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Description: Identifying number for a product or service

EXAMPLES:

*PO1*1*2*EA*36.44**BP*CDW1234*MG*MFG1234*VP*VND1234*UP*123456789012~*

PID Product/Item Description

Pos: 180	Max: 1000
Detail - Optional	
Loop: PO1	Elements: 2

User Option (Usage): Optional

Purpose: To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code Name

F Free-form

PID05	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

EXAMPLES:

*PID*F****DESCRIPTION~*

ISR Item Status Report

Pos: 210	Max: 1
Detail - Optional	
Loop: ISR	Elements: 3

User Option (Usage): Must use

Purpose: To specify detailed purchase order/item status

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISR01	368	Shipment/Order Status Code	M	ID	2/2	Must use

Description: Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

Code Name

BO	Back Ordered
BP	Shipment Partial, Back Order to Ship on (Date)
CK	Cancelled from Previous Order
DI	Item Manufacturer-Discontinued
HQ	Held Awaiting Qualification or Credit Hold or Processing Delay
IC	Item Canceled
IN	In Process

ISR02	373	Date	O	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

ISR03	641	Status Reason Code	O	ID	3/3	Used
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Description: Code indicating the status reason

User Note 1: Required for HQ or IC status.

Code Name

B40	Suspended, Manufacturer Product Hold
C02	Credit Hold
Description: Customer on credit hold	
REJ	Buyer not authorized to purchase item
W04	On Hold pending (required) qualification information

EXAMPLES:

ISR*IN~

USAGE:

Please notify your CDW EDI contact if you are going to use a code not included in this guide.

QTY Quantity

Pos: 230	Max: 4
Detail - Optional	
Loop: ISR	Elements: 3

User Option (Usage): Must use

Purpose: To specify quantity information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use				
Description: Code specifying the type of quantity										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>01</td><td>Discrete Quantity</td></tr></table>							<u>Code</u>	<u>Name</u>	01	Discrete Quantity
<u>Code</u>	<u>Name</u>									
01	Discrete Quantity									
QTY02	380	Quantity	X	R	1/15	Must use				
Description: Numeric value of quantity										
QTY03	C001	Composite Unit of Measure	O	Comp		Optional				
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)										
QTY03-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use				
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>EA</td><td>Each</td></tr></table>							<u>Code</u>	<u>Name</u>	EA	Each
<u>Code</u>	<u>Name</u>									
EA	Each									

EXAMPLES:

QTY*01*2*EA~

DTM Date/Time Reference

Pos: 240	Max: 10
Detail - Optional	
Loop: ISR	Elements: 2

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

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

Code Name

017	Estimated Delivery
068	Current Schedule Ship

DTM02	373	Date	X	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

EXAMPLES:

*DTM*017*20160626~*

USAGE:

CDW prefers partners report Estimated Delivery Date over Scheduled Ship Date.

CTT Transaction Totals

Pos: 010

Max: 1

Summary - Optional

Loop: N/A

Elements: 1

User Option (Usage): Used
Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

EXAMPLES:
CTT*1~

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

EXAMPLES:

SE*10*0001~