

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
LOOP ID - REF					>1		
046	REF	Reference Identification	O	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>
LOOP ID - HL					1000		
010	HL	Hierarchical Level	M	1			Must use
020	PRF	Purchase Order Reference	O	1			Must use
LOOP ID - ISR					104		
030	ISR	Item Status Report	O	1			Must use
LOOP ID - PO1					1000		
150	PO1	Baseline Item Data	M	1			Must use
160	SLN	Subline Item Detail	O	100			Used
180	PID	Product/Item Description	O	1000			Optional
LOOP ID - ISR					104		
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

Notes:

3/010 The number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

EXAMPLE:

```
ST*870*0001~
BSR*2*CO*40033473*20160616~
HL*1**O~
```

PRF*PPPQ4326***20160616~
ISR*IN~
PO1*1*2*EA*36.44**BP*CDW1234*MG*MFG1234*VP*VND1234*UP*123456789012~
PID*F***DESCRIPTION~
ISR*IN~
QTY*01*2*EA~
DTM*017*20160616~
CTT*1~
SE*10*0001~

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~

REF Reference Identification

Pos: 046	Max: 1
Heading - Optional	
Loop: REF	Elements: 2

User Option (Usage): Must use

Purpose: To specify identifying 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code Name

IA Internal Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *Should match Internal Vendor Number provided by CDW on the 850*

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
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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 - Mandatory	
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	M	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
User Note 1: <i>Should match PO Line number provided by CDW on the 850</i>						
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
		Description: Identifying number for a product or service				
PO112	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)				
		<u>Code Name</u>				
		UP U.P.C. Consumer Package Code (1-5-5-1)				
PO113	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

EXAMPLES:

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

SLN Subline Item Detail

Pos: 160 Max: 100
 Detail - Optional
 Loop: PO1 Elements: 28

User Option (Usage): Used

Purpose: To specify product subline detail 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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
User Note 1: <i>SLN 01 Sales order Number</i>						
SLN02	350	Assigned Identification	O	AN	1/20	Used
Description: Alphanumeric characters assigned for differentiation within a transaction set						
User Note 1: <i>Partner order Status</i>						
SLN03	662	Relationship Code	M	ID	1/1	Must use
Description: Code indicating the relationship between entities						
All valid standard codes are used.						
SLN04	380	Quantity	X	R	1/15	Used
Description: Numeric value of quantity						
User Note 1: <i>Sales Order Line Quantity</i>						
SLN05	C001	Composite Unit of Measure	X	Comp		Used
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)						
SLN05-01	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						
All valid standard codes are used.						
SLN05-02	1018	Exponent	O	R	1/15	Used
Description: Power to which a unit is raised						
SLN05-03	649	Multiplier	O	R	1/10	Used
Description: Value to be used as a multiplier to obtain a new value						
SLN05-04	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						
All valid standard codes are used.						
SLN05-05	1018	Exponent	O	R	1/15	Used
Description: Power to which a unit is raised						
SLN05-06	649	Multiplier	O	R	1/10	Used
Description: Value to be used as a multiplier to obtain a new value						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN05-07	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 All valid standard codes are used.				
SLN05-08	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
SLN05-09	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
SLN05-10	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 All valid standard codes are used.				
SLN05-11	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
SLN05-12	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
SLN05-13	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 All valid standard codes are used.				
SLN05-14	1018	Exponent	O	R	1/15	Used
		Description: Power to which a unit is raised				
SLN05-15	649	Multiplier	O	R	1/10	Used
		Description: Value to be used as a multiplier to obtain a new value				
SLN06	212	Unit Price	X	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				
SLN07	639	Basis of Unit Price Code	O	ID	2/2	Used
		Description: Code identifying the type of unit price for an item All valid standard codes are used.				
SLN08	662	Relationship Code	O	ID	1/1	Used
		Description: Code indicating the relationship between entities All valid standard codes are used.				
SLN09	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				

Code Name

OT Internal Number

User Note 1:

OT Partner Sales Order Number

SLN10 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

SLN11 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

ZZ Mutually Defined

User Note 1:

ZZ indicates direct ship indicator

SLN12 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

SLN13 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)

All valid standard codes are used.

SLN14 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

SLN15 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)

All valid standard codes are used.

SLN16 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

SLN17 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)

All valid standard codes are used.

SLN18 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

SLN19 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)

All valid standard codes are used.

SLN20 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN21	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) All valid standard codes are used.				
SLN22	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN23	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) All valid standard codes are used.				
SLN24	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN25	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) All valid standard codes are used.				
SLN26	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN27	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) All valid standard codes are used.				
SLN28	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

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:

<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

User Note 1: Use PO Line order status code HQ in conjunction with header order status code HQ.

User Note 2: Use PO Line order status code IN,BP or BO in conjunction with order status code IN.

User Note 3: Use PO Line order status code IC,DI or CK in conjunction with order status code NN.

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				
		Code Name				
		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				
		Code Name				
		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
Description: Date expressed as CCYYMMDD						

EXAMPLES:

*DTM*017*20160626~*

USAGE:

CDW prefers partners report Estimated Ship 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~*