



870 Order Status Report

X12/V4010/870 : 870 Order Status Report

Version: 3.0 Final

Company: Insight Direct USA, Inc.
Modified: 8/23/2022

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
045	DTM	Date/Time Reference	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>
LOOP ID - HL					1000		
010	HL	Hierarchical Level	M	1			Must use
020	PRF	Purchase Order Reference	M	1			Must use
LOOP ID - REF					1		
087	REF	Reference Identification	M	1			Must use
088	DTM	Date/Time Reference	M	1			Must use
LOOP ID - HL					1000		
010	HL	Hierarchical Level	M	1			Must use
LOOP ID - PO1					1000		
150	PO1	Baseline Item Data	M	1			Must use
LOOP ID - ISR					1		
210	ISR	Item Status Report	M	1			Must use
230	QTY	Quantity	M	1			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	M	1		N3/010	Must use
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 List Summary (Total Codes: 298, Included: 1)

Code Name

870 Order Status Report

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

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				
<p>Description: Code indicating the reason for sending the report</p> <p>Code List Summary (Total Codes: 12, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Prearranged Schedule or Agreement</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	2	Prearranged Schedule or Agreement
<u>Code</u>	<u>Name</u>									
2	Prearranged Schedule or Agreement									
BSR02	847	Order/Item Code	M	ID	1/2	Must use				
<p>Description: Code identifying a group of orders and items</p> <p>Code List Summary (Total Codes: 8, Included: 1)</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>PP</td> <td>Selected Orders - Selected Items</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	PP	Selected Orders - Selected Items
<u>Code</u>	<u>Name</u>									
PP	Selected Orders - Selected Items									
BSR03	127	Reference Identification	M	AN	1/30	Must use				
<p>Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier</p>										
BSR04	373	Date	M	DT	8/8	Must use				
<p>Description: Date expressed as CCYYMMDD</p>										

Example:

BSR~2~~001~20060619

DTM Date/Time Reference

Pos: 045	Max: 1
Heading - Mandatory	
Loop: N/A	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 List Summary (Total Codes: 1112, Included: 1)

Code Name

079 Promised for Shipment

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

Insight Notes: *This is the date the order will ship. If an individual line item will not be shipping*

with the rest of the order, the date for that line item to ship should be reflected at the line level

in the ISR segment.

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

Code List Summary (Total Codes: 170, Included: 1)

<u>Code</u>	<u>Name</u>
O	Order

Example:

HL~1~~O

PRF Purchase Order Reference

Pos: 020	Max: 1
Detail - Mandatory	
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						
Insight Notes: <i>Insight Purchase Order Number</i>						
PRF04	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Insight Notes: <i>Insight Purchase Order Date</i>						

Insight Notes:

Only one Insight PO is allowed per 870.

Example:

PRF~3450837~~~20060616

REF Reference Identification

Pos: 087	Max: 1
Detail - Mandatory	
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 List Summary (Total Codes: 1503, Included: 1)

Code Name

VN Vendor Order Number

REF02	127	Reference Identification	M	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

Example:

REF-VN-00993952340

DTM Date/Time Reference

Pos: 088	Max: 1
Detail - Mandatory	
Loop: REF	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 List Summary (Total Codes: 1112, Included: 1)

Code Name

938 Order

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

Example:

DTM~938~20060618

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

Code List Summary (Total Codes: 170, Included: 1)

<u>Code</u>	<u>Name</u>
I	Item

Example:

HL~1~~I

PO1 Baseline Item Data

Pos: 150	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 9

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

Insight Notes: This is the line item number from the original Purchase Order. This number must match the line item number on the original purchase order.

PO102	330	Quantity Ordered	M	R	1/15	Must use
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Description: Quantity ordered

Insight Notes: This must equal the quantity from the original purchase order line.

PO103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code List Summary (Total Codes: 794, Included: 1)

Code Name

EA Each

PO104	212	Unit Price	M	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

PO105	639	Basis of Unit Price Code	M	ID	2/2	Must use
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Description: Code identifying the type of unit price for an item

Code List Summary (Total Codes: 91, Included: 1)

Code Name

CP Current Price (Subject to Change)

PO106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

BP Buyer's Part Number

PO107	234	Product/Service ID	M	AN	1/48	Must use
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Description: Identifying number for a product or service

PO108	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

VP Vendor's (Seller's) Part Number

PO109	234	Product/Service ID	M	AN	1/48	Must use
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Description: Identifying number for a product or service

Example:

PO1~000010~1~EA~9.99~CP~BP~1000001~VP~C8140A1

ISR Item Status Report

Pos: 210	Max: 1
Detail - Mandatory	
Loop: ISR	Elements: 2

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 List Summary (Total Codes: 102, Included: 3)

Code Name

- BP Shipment Partial, Back Order to Ship on (Date)
- ED Expect to Ship By (Date)
- IC Item Canceled

ISR02	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD

Example:

ISR~ED~20060630

QTY Quantity

Pos: 230	Max: 1
Detail - Mandatory	
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 List Summary (Total Codes: 832, Included: 1)

Code Name

01 Discrete Quantity

QTY02	380	Quantity	M	R	1/15	Must use
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Description: Numeric value of quantity

QTY03	C001	Composite Unit of Measure	M	Comp		Must use
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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
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code List Summary (Total Codes: 794, Included: 1)

Code Name

EA Each

Example:

QTY~01~1~EA

CTT Transaction Totals

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

User Option (Usage): Must use

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

Example:

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				