

Insight 870 Spec Changes – 10/12/2006 Version 2.1

- Added note to the PRF segment that only one PO is allowed per 870.

Insight 870 Spec Changes – 09/13/2022 Version 3.0

- Updated 870 spec mandatory/conditional status against the 870 map to make it a bit more accurate along with other changes that are noted.

COVER PAGE BEFORE

870 Order Status Report

X12/V4010/870 : 870 Order Status Report

Version: 2.1 Final

Author:	Insight Direct USA, Inc.
Modified:	3/4/2021

COVER PAGE AFTER



870 Order Status Report

X12/V4010/870 : 870 Order Status Report

Version: 3.0 Final

Author: Insight Direct USA, Inc.
Modified: 8/18/2022

ISA\GS IDS CHANGE BEFORE

01 Duns (Dun & Bradstreet)

Insight Notes:

Insight Test ID Qualifier

12 Phone (Telephone Companies)

Insight Notes:

Insight Production ID Qualifier

ISA08

I07

Interchange Receiver ID

M

AN

15/15

Mu:

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

Insight Notes: *Test ID: 6309246701T*

Production ID: 6309246701

ISA CHANGE AFTER

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

ISA07	105	Interchange ID Qualifier	M	ID	2/2	Must use
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Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

ISA08	107	Interchange Receiver ID	M	AN	15/15	Must use
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Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

Insight_870_v3.0.ecs

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For internal use only

DTM BEFORE

DTM Date/Time Reference

Pos: 045	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

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	X	DT	8/8	Used
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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.

DTM AFTER

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
-------	-----	------	---	----	-----	----------

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.

PRF BEFORE

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

Insight Notes: *Insight Purchase Order Number*

PRF04	373	Date	O	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

Insight Notes: *Insight Purchase Order Date*

Insight Notes:

Only one Insight PO is allowed per 870.

Example:

PRF AFTER

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 BEFORE

REF Reference Identification

Pos: 087 Max: 1
Detail - Optional
Loop: REF Elements: 2

User Option (Usage): Used

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)						
<u>Code</u> <u>Name</u>						
VN Vendor Order Number						
REF02	127	Reference Identification	X	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

Example:

REF-VN-00993952340

REF AFTER

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)						
<u>Code</u> <u>Name</u>						
VN Vendor Order Number						
REF02	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						

Example:

REF-VN-00993952340

DTM BEFORE

DTM Date/Time Reference

Pos: 088 Max: >1
Detail - Optional
Loop: REF Elements: 2

User Option (Usage): Used

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	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

Example:

DTM~938~20060618

DTM AFTER

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

PO1 BEFORE

PO1 Baseline Item Data

Pos: 150	Max: 1
Detail - Optional	
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 Description: Alphanumeric characters assigned for differentiation within a transaction set Insight Notes: <i>This is the line item number from the original Purchase Order. This number must match the line item number on the original purchase order.</i>	O	AN	1/20	Used
PO102	330	Quantity Ordered Description: Quantity ordered Insight Notes: <i>This must equal the quantity from the original purchase order line.</i>	X	R	1/15	Used
PO103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Used
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Used
PO105	639	Basis of Unit Price Code 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)	O	ID	2/2	Used
PO106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number	X	ID	2/2	Used

PO107	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
PO108	235	Product/Service ID Qualifier 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	X	ID	2/2	Used
PO109	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

PO1 AFTER

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	Assigned Identification 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.	M	AN	1/20	Must use
PO102	330	Quantity Ordered Description: Quantity ordered Insight Notes: This must equal the quantity from the original purchase order line.	M	R	1/15	Must use
PO103	355	Unit or Basis for Measurement Code 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	M	ID	2/2	Must use

PO104	212	Unit Price	M	R	1/17	Must use
		Description: Price per unit of product, service, commodity, etc.				
PO105	639	Basis of Unit Price Code	M	ID	2/2	Must use
		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
		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
		Description: Identifying number for a product or service				
PO108	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		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
		Description: Identifying number for a product or service				

Example:

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

ISR BEFORE

ISR Item Status Report

Pos: 210	Max: 1
Detail - Optional	
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	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

Example:

ISR-ED~20060630

ISR AFTER

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 BEFORE

QTY Quantity

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

User Option (Usage): Used

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)				
		<u>Code</u>	<u>Name</u>			
		01	Discrete Quantity			
QTY02	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
QTY03	C001	Composite Unit of Measure	O	Comp		Used
		Description: To identify a composite unit of measure				

(See Figures Appendix for examples of use)

QTY AFTER

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

CTT BEFORE

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

CTT AFTER

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	NO	1/6	Must use

Description: Total number of line items in the transaction set

Example:

CTT~1