



# An EIDX Convention for Electronic Data Interchange

Transaction Set

# 870

## Order Status Report

Functional Group ID = RS  
X12 Version 004 Release 010

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**Revision History**

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## INTRODUCTION

This section provides the necessary information to enable trading partners to utilize the ASC X12 standards for the exchange of electronic business documents within the electronics industry.

### Hyperlinks in this document

This document contains hyperlinks to pages on the EIDX web site as well as hyperlinks to off-site web pages.

**EIDX Site Pages.** EIDX makes every effort to keep the structure of the site stable and to keep hyperlinks working. However, content does change, and some hyperlinks to [www.eidx.org](http://www.eidx.org) in this document may not work; hyperlinks may not work in the Portable Document Format (.pdf) representations. Navigation aids are provided on the site that may help you to find what you are looking for, as well as a search form. Go to the Publications link on the home page to get started. Use the link on the web site to contact EIDX for further information.

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## Abbreviations and Notations

The navigation menu in the EIDX web site Publications area includes links to [Methodology and Legends for EIDX Models](#), the [EIDX Glossary](#) and the [EIDX Acronyms and Abbreviations](#)<sup>1</sup> collection.

## General Recommendations and Best Practices

Recommendations and best practices that apply to all business processes, including recommendations for product identification and partner identification, are found in [EIDX Business Models – General Support](#)

## Additional References

EIDX Scenarios and Component Models index at <http://www.eidx.org/publications/>:

- [Replenishment Scenarios](#)
- [Order Model 1 – Traditional, Standard Stand-Alone PO](#)
- [Order Model 2 – Blanket Purchase Order](#)

EIDX Supporting Documentation:

- [Order Models: General Information and Considerations](#)
- [Data Requirements](#)
- [Business Documents and Document Cross-Reference](#)

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<sup>1</sup> <http://www.eidx.org/publications/abbrev/>

## OVERVIEW

### 1. FUNCTIONAL DEFINITION

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.

### 2. CONSIDERATIONS

N/A.

### 3. TRADING PARTNERS

1. Any sender to any receiver.

### 4. EIDX BUSINESS MODELS

This is a simple recast/version upgrade of an existing EIDX guideline. Business models were not evaluated.

### 5. FIELD OF APPLICATION

This transaction may be applied for both national and international trade. It is based on universal commercial practice and is not dependent on the type of business or industry.

## 6. FORMAT

The transmission in the ASC X12 format uses two required envelopes. One is the ISA Interchange Control Header Segment, which starts and identifies an interchange of zero or more functional groups and interchange-related control segments. The ISA includes the sender's mailbox address and a receiver's mailbox address, and specifies which delimiter (a/k/a control, service) characters (data element separator, component element separator and data segment terminator) are being used.

There are no default service characters reserved for use in ASC X12. Allowable service characters should be discussed between trading partners.

The second required envelope is GS Functional Group Header, which indicates the beginning of a functional group and provides group level control information. The GS segment includes functional group level sender and receiver addresses, typically used by the trading partner(s) for internal routing. The GS also includes the GS08 ASC X12 Version/Release/Industry Identifier Code. EIDX does not recommend the use of an Industry Identifier code.

The functional groups are analogous to batches of like documents, i.e. purchase orders, invoices, etc. Each functional group contains one or more transaction sets (electronic documents).

Each transaction set is an ordered collection of segments.

Each segment is an ordered collection of data elements. Each segment has been assigned a two or three character identifier. This identifier marks the beginning of each segment. Each element within the segment is separated by a data element delimiter. EIDX recommends the use of the asterisk (\*) character as a data element delimiter. A segment terminator character is used to mark the end of a segment.

Any shaded areas indicate EIDX recommended usage and comment.

7. ATTRIBUTES

Each data element has three ANSI attributes: Element usage, element type and minimum/maximum length. EIDX has additional usage indicated for optional segments and elements which are noted in the following table.

MARGIN	ATTRIBUTE	DE NOTE	MEANING
Must Use	M (Mandatory)	N/A	If a segment, composite, or stand alone data element is mandatory according to the standard, EIDX cannot change the mandatory status on that component.  <i>DATA ELEMENT within a COMPOSITE:</i> A data element within a composite is mandatory only if the composite is used.
X	C or X (Conditional) or O (Optional)	No note or NOT USED	EIDX has determined no value in supplying the composite or data element; hence, it need not be generated.
Blank	C or X (Conditional) or O (Optional)	REQUIRED	EIDX members agree that the data concerned must be sent.
Blank	C or X (Conditional) or O (Optional)	No note	Indicates that EIDX makes no recommendation regarding usage. The trading partners must agree on usage.
Blank	C or X (Conditional) or O (Optional)	ADVISED	EIDX has determined value in supplying the data element; hence, it should be generated.
Blank	C or X (Conditional) or O (Optional)	DEPENDING	Data must be sent if a particular defined condition or set of conditions exist. The associated conditions must be explained at the appropriate level of detail.



## 8. CHANGES FROM VERSION 3020

Only segments, elements or codes used by EIDX are listed. Some fields which have increased in maximum length are not listed.

- All date fields changed from 6/6 (YYMMDD) to 8/8 (CCYYMMDD).
- Max length of DE 98 Entity Identifier Code (used in N101) changed from 2 to 3.
- Max length of DE 93 Name (used in N102) changed from 35 to 60.
- Max length of DE 67 Identification Code (used in N104) changed from 17 to 80.
- Max length of DE 350 Assigned Identification (used in PO101) changed from 11 to 20.
- Max length of DE 330 Quantity Ordered (used in PO102) changed from 9 to 15.
- Requirement of DE 355 Unit or Basis for Measurement Code (used in PO103) changed from 'M' Mandatory to 'O' Optional.
- Max length of DE 212 Unit Price (used in PO104) changed from 14 to 17.
- Requirement of DE 235 Product/Service ID Qualifier (used in PO1 segment) changed from 'O' Optional to 'X' Conditional.
- Max length of DE 234 Product/Service ID (used in PO1 segment) changed from 30 to 48.
- Requirement of DE 380 Quantity in QTY02 changed from 'M' Mandatory to 'X' Conditional.
- Requirement for CTT segment changed from 'M' Mandatory to 'O' Optional.

## SEGMENT TABLES

### 870 Order Status Report – List of Used and Not Used Segments

**Heading:**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max.Use</b>	<b>Loop Repeat</b>	<b>Notes and Comments</b>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BSR	Beginning Segment for Order Status Report	M	1		
Not Used	042	TD3	Carrier Details (Equipment)	O	1		
Not Used	043	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1		
Not Used	044	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
Not Used	045	DTM	Date/Time Reference	O	10		
						LOOP ID – REF	>1
Not Used	046	REF	Reference Identification	O	1		
Not Used	047	DTM	Date/Time Reference	O	>1		
						LOOP ID – N1	200
	050	N1	Name	O	1		
Not Used	060	N2	Additional Name Information	O	2		
Not Used	070	N3	Address Information	O	2		
Not Used	080	N4	Geographic Location	O	1		
Not Used	090	REF	Reference Identification	O	12		
Not Used	100	PER	Administrative Communications Contact	O	3		
Not Used	105	PWK	Paperwork	O	1		
						LOOP ID – LM	10
Not Used	120	LM	Code Source Information	O	1		
Not Used	130	LQ	Industry Code	M	100		

**Detail:**

	<b>Pos. No.</b>	<b>Seg. ID</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Max.Use</b>	<b>Loop Repeat</b>	<b>Notes and Comments</b>
						LOOP ID – HL	1000
Must Use	010	HL	Hierarchical Level	M	1		
	020	PRF	Purchase Order Reference	O	1		
						LOOP ID – ISR	104
	030	ISR	Item Status Report	O	1		
Not Used	040	PID	Product/Item Description	O	6		
Not Used	050	QTY	Quantity	O	4		
Not Used	070	PER	Administrative Communications Contact	O	3		
Not Used	080	DTM	Date/Time Reference	O	10		
Not Used	086	CS	Contract Summary	O	3		n1
						LOOP ID – REF	>1
Not Used	087	REF	Reference Identification	O	1		
Not Used	088	DTM	Date/Time Reference	O	>1		
						LOOP ID – N1	200

Not Used	090	N1	Name	O	1	
Not Used	100	N2	Additional Name Information	O	2	
Not Used	110	N3	Address Information	O	2	
Not Used	120	N4	Geographic Location	O	1	
Not Used	130	REF	Reference Identification	O	12	
Not Used	140	PER	Administrative Communications Contact	O	3	
LOOP ID - LM					10	
Not Used	144	LM	Code Source Information	O	1	
Not Used	145	LQ	Industry Code	M	100	
LOOP ID - PO1					1000	
	150	PO1	Baseline Item Data	O	1	
Not Used	155	CUR	Currency	O	1	
Not Used	160	SLN	Subline Item Detail	O	100	
Not Used	170	PO3	Additional Item Detail	O	1	
Not Used	180	PID	Product/Item Description	O	1000	
Not Used	190	MEA	Measurements	O	40	
Not Used	200	PKG	Marking, Packaging, Loading	O	25	
LOOP ID - ISR					104	
	210	ISR	Item Status Report	O	1	
Not Used	220	PID	Product/Item Description	O	6	
	230	QTY	Quantity	O	4	
Not Used	240	DTM	Date/Time Reference	O	10	
Not Used	250	N1	Name	O	1	
Not Used	251	N2	Additional Name Information	O	2	
Not Used	252	N3	Address Information	O	2	
Not Used	253	N4	Geographic Location	O	1	
Not Used	260	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	270	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1	
Not Used	280	TD3	Carrier Details (Equipment)	O	1	
Not Used	290	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	1	
Not Used	300	REF	Reference Identification	O	12	
Not Used	310	SAC	Service, Promotion, Allowance, or Charge Information	O	25	
LOOP ID - LM					10	
Not Used	320	LM	Code Source Information	O	1	
Not Used	330	LQ	Industry Code	M	100	
LOOP ID - LX					>1	
Not Used	340	LX	Assigned Number	O	1	n2
Not Used	350	REF	Reference Identification	O	>1	
Not Used	360	N1	Name	O	1	
Not Used	370	DTM	Date/Time Reference	O	10	
LOOP ID - LM					10	
Not Used	380	LM	Code Source Information	O	1	
Not Used	390	LQ	Industry Code	M	100	

**Summary:**

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
010	CTT	Transaction Totals	O	1		n3
Must Use 020	SE	Transaction Set Trailer	M	1		

### Transaction Set Notes

1. Use is limited to intra-organizational transactions.
2. The LX loop conveys serial number, lot number, and inventory data.
3. 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.

**Segment:** **ST** Transaction Set Header

**Position:** 010

**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).

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set 870 Order Status Report	
<b>Must Use</b>	ST02	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

The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.

**Segment:** **BSR** Beginning Segment for Order Status Report

**Position:** 020

**Loop:**

**Level:** Heading

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

**Semantic Notes:**

- 1 BSR03 indicates a status report document number assigned by the sender.
- 2 BSR04 indicates the date of this report from the sender.
- 3 BSR07 indicates the time of this report from the sender.
- 4 BSR08 indicates a status report document number assigned by the inquirer.
- 5 BSR09 indicates the date this report was requested from the sender by the inquirer.
- 6 BSR10 indicates the time this report was requested from the sender by the inquirer.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	BSR01	850	<b>Status Report Code</b>	<b>M ID 1/2</b>
			Code indicating the reason for sending the report	
			1 Response to an Order Status Inquiry (869)	
			2 Prearranged Schedule or Agreement	
<b>Must Use</b>	BSR02	847	<b>Order/Item Code</b>	<b>M ID 1/2</b>
			Code identifying a group of orders and items	
			AO All orders – items with changed status	
			CA All Orders – All Items	
			PO Selected Orders – Unshipped Items	
<b>Must Use</b>	BSR03	127	<b>Reference Identification</b>	<b>M AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			BSR03 equals BSI10 from 869 if 869 (Order Status Inquiry) is used. Otherwise, BSR03 is the sender's choice.	
<b>Must Use</b>	BSR04	373	<b>Date</b>	<b>M DT 8/8</b>
			Date expressed as CCYYMMDD	
			Date sender generated report.	
<b>Not Used</b>	BSR05	848	<b>Product/Date Code</b>	<b>O ID 1/2</b>
			Code indicating whether the inquiry is based on products and/or date parameters	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

	<b>BSR06</b>	<b>849</b>	<b>Location Code</b>	<b>O ID 1/2</b>
			Code indicating the selection of a supplier's and/or buyer's locations or group of locations EIDX USAGE: Optional.	
			SL Selected Buyer Location(s)	
	<b>BSR07</b>	<b>337</b>	<b>Time</b>	<b>O TM 4/8</b>
			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) EIDX USAGE: Optional.	
	<b>BSR08</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier EIDX USAGE: Optional.	
	<b>BSR09</b>	<b>373</b>	<b>Date</b>	<b>O DT 8/8</b>
			Date expressed as CCYYMMDD EIDX USAGE: Optional.	
			Date inquirer requested report.	
<b>Not Used</b>	<b>BSR10</b>	<b>337</b>	<b>Time</b>	<b>O TM 4/8</b>
			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)	
<b>Not Used</b>	<b>BSR11</b>	<b>353</b>	<b>Transaction Set Purpose Code</b>	<b>O ID 2/2</b>
			Code identifying purpose of transaction set Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>Not Used</b>	<b>BSR12</b>	<b>306</b>	<b>Action Code</b>	<b>O ID 1/2</b>
			Code indicating type of action Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment: N1 Name**

**Position:** 050  
**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			BT Bill-to-Party	
			MF Manufacturer of Goods	
		SF Ship From		
		ST Ship To		
	N102	93	Name	X AN 1/60
			Free-form name	
	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			EIDX USAGE: Advised.	
		1	D-U-N-S Number, Dun & Bradstreet	
		9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		91	Assigned by Seller or Seller's Agent	
		92	Assigned by Buyer or Buyer's Agent	
	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			EIDX USAGE: Advised.	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
			Refer to 004010 Data Element Dictionary for acceptable code values.	



Not  
Used

N106

98

**Entity Identifier Code**

**O ID 2/3**

Code identifying an organizational entity, a physical location,  
property or an individual  
Refer to 004010 Data Element Dictionary for acceptable code  
values.

**Segment:** **HL Hierarchical Level**

**Position:** 010  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments

**Syntax Notes:**

**Semantic Notes:**

- Comments:**
- 1 The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.  
The HL segment defines a top-down/left-right ordered structure.
  - 2 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
  - 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
  - 4 HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
  - 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	HL01	628	<b>Hierarchical ID Number</b>	<b>M AN 1/12</b>
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	
<b>Not Used</b>	HL02	734	<b>Hierarchical Parent ID Number</b>	<b>O AN 1/12</b>
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	
<b>Must Use</b>	HL03	735	<b>Hierarchical Level Code</b>	<b>M ID 1/2</b>
			Code defining the characteristic of a level in a hierarchical structure	
			O	Order

Not  
Used

HL04

736

**Hierarchical Child Code**

O ID 1/1

Code indicating if there are hierarchical child data segments subordinate to the level being described  
Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment: PRF Purchase Order Reference**

**Position:** 020  
**Loop:** HL Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To provide reference to a specific purchase order

**Syntax Notes:**  
**Semantic Notes:** 1 PRF04 is the date assigned by the purchaser to purchase order.  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	PRF01	324	<b>Purchase Order Number</b>	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser EIDX recommends a 1/6 data element size.	
Not Used	PRF02	328	<b>Release Number</b>	O AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction EIDX USAGE: Optional.	
	PRF03	327	<b>Change Order Sequence Number</b>	O AN 1/8
Not Used	PRF04	373	<b>Date</b>	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	PRF05	350	<b>Assigned Identification</b>	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
Not Used	PRF06	367	<b>Contract Number</b>	O AN 1/30
			Contract number EIDX USAGE: Optional.	
Not Used	PRF07	92	<b>Purchase Order Type Code</b>	O ID 2/2
			Code specifying the type of Purchase Order Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **ISR** Item Status Report

**Position:** 030  
**Loop:** ISR Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify detailed purchase order/item status  
**Syntax Notes:**  
**Semantic Notes:** 1 If ISR01 specifies a date, ISR02 is required.  
**Comments:**  
**Notes:** EIDX USAGE: Depending.

Use the ISR01, which is before the PO1 loop, to convey that the order is completely shipped or canceled. In these cases it is not necessary to send line item PO1 segments, nor the QTY segment.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	ISR01	368	Shipment/Order Status Code	M ID 2/2
			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 CC Shipment Complete on (Date) CK Cancelled from Previous Order IC Item Canceled PH Product On Hold	
	ISR02	373	Date	O DT 8/8
			Date expressed as CCYYMMDD EIDX USAGE: Optional.	
	ISR03	641	Status Reason Code	O ID 3/3
			Code indicating the status reason EIDX USAGE: Optional. Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **PO1** **Baseline Item Data**

- Position:** 150
- 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:** EIDX USAGE: Depending.

If the ISR before the PO1 loop is not used to convey the entire order as complete or canceled, use PO1 segments to convey line items that will have a status in the following ISR.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set EIDX USAGE: Advised.	O AN 1/20
PO102	330	<b>Quantity Ordered</b> Quantity ordered EIDX USAGE: Advised.	X R 1/15
PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EIDX USAGE: Advised.	O ID 2/2
		EA                      Each	

PO104	212	<b>Unit Price</b>	X R 1/17
		Price per unit of product, service, commodity, etc.	
PO105	639	<b>Basis of Unit Price Code</b>	O ID 2/2
		Code identifying the type of unit price for an item	
		EIDX USAGE: Advised.	
		CA Catalog	
		CT Contract	
		DI Distributor	
		HP Price per Hundred	
		PE Price per Each	
		QT Quoted	
		TE Contract Price per Each	
		TP Price per Thousand	
PO106	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		At least one occurrence of a combination of data elements 235 (Product/Service ID Qualifier) and 234 (Product/Service ID) is required. Additionally the use of the combination of these data elements must conform to the Electronics Industry Data Exchange Product Identification Guidelines.	
		AB Assembly	
		BP Buyer's Part Number	
		EC Engineering Change Level	
		MG Manufacturer's Part Number	
		PC Prime Contractor Part Number	
		PN Company Part Number	
		UP U.P.C. Consumer Package Code (1-5-5-1)	
		VP Vendor's (Seller's) Part Number	
PO107	234	<b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
		At least one occurrence of a combination of data elements 235 (Product/Service ID Qualifier) and 234 (Product/Service ID) is required. Additionally the use of the combination of these data elements must conform to the Electronics Industry Data Exchange Product Identification Guidelines.	
PO108	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		See code list in PO106.	
PO109	234	<b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
PO110	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		See code list in PO106.	
PO111	234	<b>Product/Service ID</b>	X AN 1/48
		Identifying number for a product or service	
PO112	235	<b>Product/Service ID Qualifier</b>	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		See code list in PO106.	

PO113	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO114	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code list in PO106.	X	ID 2/2
PO115	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO116	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code list in PO106.	X	ID 2/2
PO117	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO118	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code list in PO106.	X	ID 2/2
PO119	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO120	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code list in PO106.	X	ID 2/2
PO121	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO122	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code list in PO106.	X	ID 2/2
PO123	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48
PO124	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) See code list in PO106.	X	ID 2/2
PO125	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/48



**Segment: ISR Item Status Report**

**Position:** 210  
**Loop:** ISR Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify detailed purchase order/item status  
**Syntax Notes:**  
**Semantic Notes:** 1 If ISR01 specifies a date, ISR02 is required.  
**Comments:**  
**Notes:** EIDX USAGE: Depending. Advised if PO1 used

ISR/QTY pairs within the PO1 loop may generally be viewed as "schedule" data.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	ISR01	368	<b>Shipment/Order Status Code</b>	<b>M ID 2/2</b>
			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 Data element 368 does not provide codes for delivery date. Trading partners could mutually accept the dates as delivery dates. CC Shipment Complete on (Date) CK Cancelled from Previous Order IC Item Canceled PH Product On Hold PN In Process - No Shipping Schedule PR Partial Shipment PS In Process, Scheduled to Ship On (Date) SL Shipped - to - Date through (Date)	
	ISR02	373	<b>Date</b>	<b>O DT 8/8</b>
			Date expressed as CCYYMMDD EIDX USAGE: Depending. Use if appropriate (e.g. appropriate to send a date if ISR01 = 'CC' but not appropriate if ISR01 = 'PN').	
<b>Not Used</b>	ISR03	641	<b>Status Reason Code</b>	<b>O ID 3/3</b>
			Code indicating the status reason Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment: QTY Quantity**

**Position:** 230  
**Loop:** ISR Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 4

**Purpose:** To specify quantity information

**Syntax Notes:**  
1 At least one of QTY02 or QTY04 is required.  
2 Only one of QTY02 or QTY04 may be present.

**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.

**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity 01 Discrete Quantity	
	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	
Not Used	QTY03	C001	Composite Unit of Measure	O
			To identify a composite unit of measure (See Figures Appendix for examples of use)	
Not Used	C00101	355	Unit or Basis for Measurement Code	M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00102	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00103	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00104	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 Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00105	1018	Exponent	O R 1/15
			Power to which a unit is raised	
Not Used	C00106	649	Multiplier	O R 1/10
			Value to be used as a multiplier to obtain a new value	

Not Used	C00107	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00108	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
Not Used	C00109	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00110	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00111	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
Not Used	C00112	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	C00113	355	<b>Unit or Basis for Measurement Code</b>	O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	C00114	1018	<b>Exponent</b>	O R 1/15
			Power to which a unit is raised	
Not Used	C00115	649	<b>Multiplier</b>	O R 1/10
			Value to be used as a multiplier to obtain a new value	
Not Used	QTY04	61	<b>Free-Form Message</b>	X AN 1/30
			Free-form information	

**Segment: CTT Transaction Totals**

**Position:** 010

**Loop:**

**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.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
Not Used	CTT02	347	Hash Total	O R 1/10
			Total number of HL segments in the transaction set.	
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
Not Used	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
Not Used	CTT04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	
Not Used	CTT06	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	

Not  
Used

CTT07

352

Description

O AN 1/80

A free-form description to clarify the related data elements and their content

**Segment:** **SE** Transaction Set Trailer

**Position:** 020

**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:** 1 SE is the last segment of each transaction set.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Must Use</b>	SE01	96	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
<b>Must Use</b>	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>

Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

The control number is assigned by the sender. It should be sequentially assigned within each functional group to aid in error recovery and research. The control number in the SE segment (SE02) must be identical to the control number in the ST segment for each transaction.

## 870 ORDER STATUS REPORT EXAMPLES

### 870 Example 1 - Order Status Reporting At Purchase Order Level and Line Item Level

This is an example of reporting the order status both at the entire Purchase Order level for open orders and at the line item level within Purchase Orders. The length of time to convey closed orders or items within an order should be reasonable and mutually acceptable between the trading partners.

#### Example 1 Summary

HEADER SECTION	
ST*870*02044'	ST Transaction Set Header
BSR*2*CA*81812*19980308'	BSR Beginning Segment for Order Status Report
N1*MF**91*ABC'	N1 Name
N1*ST**91*XYZ'	N1 Name
DETAIL SECTION	
HL*1**O'	HL Hierarchical Level
PRF*98765***19980103'	PRF Purchase Order Reference
ISR*CC*19980301'	ISR Item Status Report
HL*2**O'	HL Hierarchical Level
PRF*98767***19980104'	PRF Purchase Order Reference
PO1*1*4000*EA*4.50*CT*BP*4RF1234*VP*AM9876P2'	PO1 Baseline Item Data
ISR*SL*19980308'	ISR Item Status Report
QTY*01*500'	QTY Quantity
ISR*PS*19980408'	ISR Item Status Report
QTY*01*500'	QTY Quantity
ISR*PS*19980508'	ISR Item Status Report
QTY*01*2000'	QTY Quantity
ISR*PN'	ISR Item Status Report
QTY*01*1000'	QTY Quantity
PO1*2*5000*EA*6.50*CT*BP*6AF6789*VP*AM1268L4'	PO1 Baseline Item Data
ISR*PN'	ISR Item Status Report
QTY*01*5000'	QTY Quantity
HL*3**O'	HL Hierarchical Level
PRF*98901***19980108'	PRF Purchase Order Reference
ISR*CC*19990214'	ISR Item Status Report
HL*4**O'	HL Hierarchical Level
PRF*98920***19980112'	PRF Purchase Order Reference
PO1*1*2000*EA*10.9*CT*BP*6AB9876*VP*AM12345'	PO1 Baseline Item Data
ISR*IC'	ISR Item Status Report
PO1*2*3600*EA*45*CT*BP*7XY1123*VP*AM9876'	PO1 Baseline Item Data
ISR*PH	ISR Item Status Report

PO1*3*7000*EA*134.5*CT*BP*3AB7766*V P*AM3434'	<b>PO1 Baseline Item Data</b>
ISR*PR*19980308'	<b>ISR Item Status Report</b>
QTY*01*3600'	<b>QTY Quantity</b>
<b>SUMMARY SECTION</b>	
CTT*4'	<b>CTT Transaction Totals</b>
SE*35*02044'	<b>SE Transaction Set Trailer</b>

*Example 1 Explanation*

<b>HEADER SECTION</b>	
ST*870*02044'	<b>ST Transaction Set Header</b>
	ST01/143 Transaction Set Identifier Code [M/ID 3/3]: 870 (Order Status Report)
	ST02/329 Transaction Set Control Number [M/AN 4/9]: 02044
BSR*2*CA*81812*19980308'	<b>BSR Beginning Segment for Order Status Report</b>
	BSR01/850 Status Report Code [M/ID 1/2]: 2 (This order status report is sent on a prearranged schedule.)
	BSR02/847 Order/Item Code [M/ID 1/2]: CA (It contains all orders - all items.)
	BSR03/127 Reference Identification [M/AN 1/30]: 81812 (This is the order status request number. Since this order status report is sent on a prearranged schedule, the seller could use any report number here. If this 870 is in response to an 869, the BS1101 number from the 869 is returned in the BSR03.)
	BSR04/373 Date [M/DT 8/8]: 19980308 (March 8, 1998)
N1*MF**91*ABC'	<b>N1 Name</b>
	N101/98 Entity Identifier Code [M/ID 2/3]: MF (Manufacturer of Goods)
	N103/66 Identification Code Qualifier [X/ID 1/2]: 91 (Assigned by Seller or Seller's Agent)
	N104/67 Identification Code [X/AN 1/20]: ABC (The manufacturer is associated with seller's code ABC.)
N1*ST**91*XYZ'	<b>N1 Name</b>
	N101/98 Entity Identifier Code [M/ID 2/3]: ST (Ship To)
	N103/66 Identification Code Qualifier [X/ID 1/2]: 91 (Assigned by Seller or Seller's Agent)
	N104/67 Identification Code [X/AN 1/20]: XYZ (The ship-to location is associated with seller's code XYZ. There will be an 870 transaction for each ship-to location.)



<b>DETAIL SECTION</b>	
<b>HL*1**O'</b>	<b>HL Hierarchical Level</b>
	HL01/628 Hierarchical ID Number [M/AN 1/12]: 1 (The hierarchical ID number is 1 - this counts each HL in this transaction.)
	HL03/734 Hierarchical Level Code [M/ID 1/2]: O (The hierarchical level code is Order since the loop reports information about a purchase order.)
<b>PRF*98765***19980103'</b>	<b>PRF Purchase Order Reference</b>
	PRF01/324 Purchase Order Number [M/AN 1/22]: 98765 (Purchase order number)
	PRF04/373 Date [O/DT 8/8]: 19980103 (January 3, 1998)
<b>ISR*CC*19980301'</b>	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: CC (Shipment Complete)
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98765 is complete; all line items shipped as of March 1, 1998.)
<b>HL*2**O'</b>	<b>HL Hierarchical Level</b>
	HL01/628 Hierarchical ID Number [M/AN 1/12]: 2 (The hierarchical ID number is 2 - this counts each HL in this transaction.)
	HL03/734 Hierarchical Level Code [M/ID 1/2]: O (The hierarchical level code is Order since the loop reports information about a purchase order.)
<b>PRF*98767***19980104'</b>	<b>PRF Purchase Order Reference</b>
	PRF01/324 Purchase Order Number [M/AN 1/22]: 98767 (Purchase order number)
	PRF04/373 Date [O/DT 8/8]: 19980104 (January 4, 1998)
<b>PO1*1*4000*EA*4.50*CT*BP*4RF1234*VP*AM9876P2'</b>	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 1 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 4000
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)
	PO104/212 Unit Price [X/R 1/17]: 4.50 (\$4.50)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 4RF1234

	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)
	PO109/234 Product/Service ID [X/AN 1/48]: AM9876P2
ISR*SL*19980308'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: SL (Shipped-to-Date) NOTE: ISR/QTY pairs may be viewed as 'scheduled'.
	ISR02/373 Date [O/DY 8/8]: 19980308 (Purchase order 98767, line item 1, quantity shipped-to-date through March 8, 1998. Its following QTY segment conveys shipped-to-date as of that date.)
QTY*01*500'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 500 (Line item 1 has a discrete quantity of 500 units having been shipped as of March 8, 1998.)
ISR*PS*19980408'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PS (In Process, Scheduled to Ship On Date) NOTE: Each ISR01 = PS will convey a schedule for the line item.
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98767, line item 1, quantity scheduled to ship on April 8, 1998. Its following QTY segment conveys quantity to be shipped.)
QTY*01*500'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 500 (Line item 1 has a discrete quantity to ship of 500 units on April 8, 1998.)
ISR*PS*19980508'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PS (In Process, Scheduled to Ship On Date)
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98767, line item 1, quantity scheduled to ship on May 8, 1998. Its following QTY segment conveys quantity to be shipped.)
QTY*01*2000'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 2000 (Line item 1 has a discrete quantity to ship of 2000 units on May 8, 1998.)

ISR*PN'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PN (In Process, No Shipping Schedule. Purchase order 98767, line item 1, quantity not scheduled yet. Its following QTY segment conveys quantity to be scheduled.)
QTY*01*1000'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 1000 (Line item 1 has a discrete quantity of 1000 units not scheduled yet.)
PO1*2*5000*EA*6.50*CT*BP*6AF6789*VP*AM1268L4'	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 2 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 5000
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)
	PO104/212 Unit Price [X/R 1/17]: 6.50 (\$6.50)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 6AF6789
	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)
	PO109/234 Product/Service ID [X/AN 1/48]: M1268L4
ISR*PN'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PN (In Process, No Shipping Schedule. Purchase order 98767, line item 2, quantity not scheduled yet. Its following QTY segment conveys quantity to be scheduled.)
QTY*01*5000'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 5000 (Line item 2 has a discrete quantity of 5000 units needing schedules.)

HL*3**O'	<b>HL Hierarchical Level</b>
	HL01/628 Hierarchical ID Number [M/AN 1/12]: 3 (The hierarchical ID number is 3 – this counts each HL in this transaction.)
	HL03/734 Hierarchical Level Code [M/ID 1/2]: O (The hierarchical level code is Order since the loop reports information about a purchase order.)
PRF*98901***19980108'	<b>PRF Purchase Order Reference</b>
	PRF01/324 Purchase Order Number [M/AN 1/22]: 98901 (Purchase order number)
	PRF04/373 Date [O/DT 8/8]: 19980108 (January 8, 1998)
ISR*CC*19990214'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: CC (Shipment Complete)
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98901 is complete; all line items shipped as of February 14, 1998.)
HL*4**O'	<b>HL Hierarchical Level</b>
	HL01/628 Hierarchical ID Number [M/AN 1/12]: 4 (The hierarchical ID number is 4 – this counts each HL in this transaction.)
	HL03/734 Hierarchical Level Code [M/ID 1/2]: O (The hierarchical level code is Order since the loop reports information about a purchase order.)
PRF*98920***19980112'	<b>PRF Purchase Order Reference</b>
	PRF01/324 Purchase Order Number [M/AN 1/22]: 98920 (Purchase order number)
	PRF04/373 Date [O/DT 8/8]: 19980112 (January 12, 1998)
PO1*1*2000*EA*10.9*CT*BP*6AB9876*VP*AM12345'	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 1 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 2000
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)
	PO104/212 Unit Price [X/R 1/17]: 10.9 (\$10.90)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 6AB9876
	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)

	PO109/234 Product/Service ID [X/AN 1/48]: M12345
ISR*IC'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: IC (Line item 1 for PO 98920 for buyer part 6AB9876 was canceled.)
PO1*2*3600*EA*45*CT*BP*7XY1123*VP*AM9876'	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 2 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 3600
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)
	PO104/212 Unit Price [X/R 1/17]: 45 (\$45.00)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 7XY1123
	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)
	PO109/234 Product/Service ID [X/AN 1/48]: AM9876'
ISR*PH	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PH (Line item 2 for PO 98920 for buyer part 7XY1123 has a status of product on hold.)
PO1*3*7000*EA*134.5*CT*BP*3AB7766*VP*AM3434'	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 3 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 7000
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)
	PO104/212 Unit Price [X/R 1/17]: 134.5 (\$134.50)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 3AB7766
	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)
	PO109/234 Product/Service ID [X/AN 1/48]: AM3434

ISR*PR*19980308'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PR (Partial Shipment)
	ISR02/373 Date [O/DY 8/8]: 19980308 (Line item 3 for buyer part 3AB7766 had a partial shipment on March 8, 1998. Its following QTY segment conveys quantity shipped.)
QTY*01*3600'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 3600 (Line item 3 had a partial shipment of 3600 units on March 8, 1998.)
<b>SUMMARY SECTION</b>	
CTT*4'	<b>CTT Transaction Totals</b>
	CTT01/354 Number of Line Items [M/NO 1/6]: 4 (Total number of HL segments in the transaction set.)
SE*35*02044'	<b>SE Transaction Set Trailer</b>
	SE01/96 Number of Included Segments [</NO 1/10]: 35 (Count of segments in this transaction set including ST and SE.)
	SE02/329 Transaction Set Control Number [M/AN 4/9]: 02044 (Identical to the control number in the ST segment for each transaction.)

## 870 Example 2 – Order Status Reporting in Response to Order Status Inquiry

This is an example of reporting the order status in response to an 869 Order Status Inquiry. It contains samples of purchase orders reported at the Purchase Order header for closed orders, and at the line item level for open orders. The length of time to convey closed orders or items within an order should be reasonable and mutually acceptable between the trading partners.

### Example 2 Summary

HEADER SECTION	
ST*870*02044'	ST Transaction Set Header
BSR*1*CA*81812*19980308'	BSR Beginning Segment for Order Status Report
N1*MF**91*ABC'	N1 Name
N1*ST**91*XYZ'	N1 Name
DETAIL SECTION	
HL*1**O'	HL Hierarchical Level
PRF*98765***19980103'	PRF Purchase Order Reference
ISR*CC*19980301'	ISR Item Status Report
HL*2**O'	HL Hierarchical Level
PRF*98767***19980104'	PRF Purchase Order Reference
PO1*1*4000*EA*4.50*CT*BP*4RF1234*VP*AM9876P2'	PO1 Baseline Item Data
ISR*SL*19980308'	ISR Item Status Report
QTY*01*500'	QTY Quantity
ISR*PS*19980408'	ISR Item Status Report
QTY*01*500'	QTY Quantity
ISR*PS*19980508'	ISR Item Status Report
QTY*01*2000'	QTY Quantity
ISR*PN'	ISR Item Status Report
QTY*01*1000'	QTY Quantity
PO1*2*5000*EA*6.50*CT*BP*6AF6789*VP*AM1268L4'	PO1 Baseline Item Data
ISR*PN'	ISR Item Status Report
QTY*01*5000'	QTY Quantity
SUMMARY SECTION	
CTT*2'	CTT Transaction Totals
SE*23*02044'	SE Transaction Set Trailer

*Example 2 Explanation*

<b>HEADER SECTION</b>	
ST*870*02044'	<b>ST Transaction Set Header</b>
	ST01/143 Transaction Set Identifier Code [M/ID 3/3]: 870 (Order Status Report)
	ST02/329 Transaction Set Control Number [M/AN 4/9]: 02044
BSR*1*CA*81812*19980308'	<b>BSR Beginning Segment for Order Status Report</b>
	BSR01/850 Status Report Code [M/ID 1/2]: 1 (This order status report is sent in response to an Order Status Inquiry, 869.)
	BSR02/847 Order/Item Code [M/ID 1/2]: CA (It contains all orders - all items.)
	BSR03/127 Reference Identification [M/AN 1/30]: 81812 (This is the order status request number. This 870 is in response to an 869; the BS1101 number from the 869 is returned in the BSR03.)
	BSR04/373 Date [M/DT 8/8]: 19980308 (March 8, 1998)
N1*MF**91*ABC'	<b>N1 Name</b>
	N101/98 Entity Identifier Code [M/ID 2/3]: MF (Manufacturer of Goods)
	N103/66 Identification Code Qualifier [X/ID 1/2]: 91 (Assigned by Seller or Seller's Agent)
	N104/67 Identification Code [X/AN 1/20]: ABC (The manufacturer is associated with seller's code ABC.)
N1*ST**91*XYZ'	<b>N1 Name</b>
	N101/98 Entity Identifier Code [M/ID 2/3]: ST (Ship To)
	N103/66 Identification Code Qualifier [X/ID 1/2]: 91 (Assigned by Seller or Seller's Agent)
	N104/67 Identification Code [X/AN 1/20]: XYZ (The ship-to location is associated with seller's code XYZ. There will be an 870 transaction for each ship-to location.)
<b>DETAIL SECTION</b>	
HL*1**O'	<b>HL Hierarchical Level</b>
	HL01/628 Hierarchical ID Number [M/AN 1/12]: 1 (The hierarchical ID number is 1 - this counts each HL in this transaction.)
	HL03/734 Hierarchical Level Code [M/ID 1/2]: O (The hierarchical level code is Order since the loop reports information about a purchase order.)
PRF*98765***19980103'	<b>PRF Purchase Order Reference</b>
	PRF01/324 Purchase Order Number [M/AN 1/22]: 98765 (Purchase order number)
	PRF04/373 Date [O/DT 8/8]: 19980103 (January 3, 1998)



ISR*CC*19980301'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: CC (Shipment Complete)
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98765 is complete; all line items shipped as of March 1, 1998.)
HL*2**O'	<b>HL Hierarchical Level</b>
	HL01/628 Hierarchical ID Number [M/AN 1/12]: 2 (The hierarchical ID number is 2 - this counts each HL in this transaction.)
	HL03/734 Hierarchical Level Code [M/ID 1/2]: O (The hierarchical level code is Order since the loop reports information about a purchase order.)
PRF*98767***19980104'	<b>PRF Purchase Order Reference</b>
	PRF01/324 Purchase Order Number [M/AN 1/22]: 98767 (Purchase order number)
	PRF04/373 Date [O/DT 8/8]: 19980104 (January 4, 1998)
PO1*1*4000*EA*4.50*CT*BP*4RF1234*VP*AM9876P2'	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 1 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 4000
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)
	PO104/212 Unit Price [X/R 1/17]: 4.50 (\$4.50)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 4RF1234
	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)
	PO109/234 Product/Service ID [X/AN 1/48]: AM9876P2
ISR*SL*19980308'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: SL (Shipped-to-Date) NOTE: ISR/QTY pairs may be viewed as 'scheduled'.
	ISR02/373 Date [O/DY 8/8]: 19980308 (Purchase order 98767, line item 1, quantity shipped-to-date through March 8, 1998. Its following QTY segment conveys shipped-to-date as of that date.)
QTY*01*500'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)

	QTY02/380 Quantity [X/R 1/15]: 500 (Line item 1 has a discrete quantity of 500 units having been shipped as of March 8, 1998.)
ISR*PS*19980408'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PS (In Process, Scheduled to Ship On Date) NOTE: Each ISR01 = PS will convey a schedule for the line item.
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98767, line item 1, quantity scheduled to ship on April 8, 1998. Its following QTY segment conveys quantity to be shipped.)
QTY*01*500'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 500 (Line item 1 has a discrete quantity to ship of 500 units on April 8, 1998.)
ISR*PS*19980508'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PS (In Process, Scheduled to Ship On Date)
	ISR02/373 Date [O/DY 8/8]: 19980301 (Purchase order 98767, line item 1, quantity scheduled to ship on May 8, 1998. Its following QTY segment conveys quantity to be shipped.)
QTY*01*2000'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 2000 (Line item 1 has a discrete quantity to ship of 2000 units on May 8, 1998.)
ISR*PN'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PN (In Process, No Shipping Schedule. Purchase order 98767, line item 1, quantity not scheduled yet. Its following QTY segment conveys quantity to be scheduled.)
QTY*01*1000'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 1000 (Line item 1 has a discrete quantity of 1000 units not scheduled yet.)
PO1*2*5000*EA*6.50*CT*BP*6AF6789*VP*AM1268L4'	<b>PO1 Baseline Item Data</b>
	PO101/350 Assigned Identification [O/AN 1/20]: 2 (The buyer's Purchase Order line sequence number from the original purchase order. Status for this line item follows.)
	PO102/330 Quantity Ordered [X/R 1/15]: 5000
	PO103/355 Unit or Basis for Measurement Code [O/ID 2/2]: EA (Each)

	PO104/212 Unit Price [X/R 1/17]: 6.50 (\$6.50)
	PO105/639 Basis of Unit Price Code [O/ID 2/2]: CT (Contract)
	PO106/235 Product/Service ID Qualifier [X/ID 2/2]: BP (Buyer's Part Number)
	PO107/234 Product/Service ID [X/AN 1/48]: 6AF6789
	PO108/235 Product/Service ID Qualifier [X/ID 2/2]: VP (Vendor Part Number)
	PO109/234 Product/Service ID [X/AN 1/48]: M1268L4
ISR*PN'	<b>ISR Item Status Report</b>
	ISR01/368 Shipment/Order Status Code [M/ID 2/2]: PN (In Process, No Shipping Schedule. Purchase order 98767, line item 2, quantity not scheduled yet. Its following QTY segment conveys quantity to be scheduled.)
QTY*01*5000'	<b>QTY Quantity</b>
	QTY01/673 Quantity Qualifier [M/ID 2/2]: 01 (Discreet Quantity)
	QTY02/380 Quantity [X/R 1/15]: 5000 (Line item 2 has a discrete quantity of 5000 units needing schedules.)
<b>SUMMARY SECTION</b>	
CTT*2'	<b>CTT Transaction Totals</b>
	CTT01/354 Number of Line Items [M/N0 1/6]: 2 (Total number of HL segments in the transaction set.)
SE*23*02044'	<b>SE Transaction Set Trailer</b>
	SE01/96 Number of Included Segments [</N0 1/10]: 23 (Count of segments in this transaction set including ST and SE.)
	SE02/329 Transaction Set Control Number [M/AN 4/9]: 02044 (Identical to the control number in the ST segment for each transaction.)