EDIFICE The Global Network for B2B Integration in High Tech Industries

December 2002

Revision History

Date	Description
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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. EDIFICE BUSINESS MODELS

This is a simple recast/version upgrade of an existing EDIFICE 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. EDIFICE 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 ore 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. EDIFICE 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 EDIFICE recommended usage and comment.

7. ATTRIBUTES

Each data element has three ANSI attributes: Element usage, element type and minimum/maximum length. EDIFICE 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, EDIFICE cannot change the mandatory status on that component. DATA ELEMENT within a COMPOSITE: 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	EDIFICE 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	EDIFICE members agree that the data concerned must be sent.
Blank	C or X (Conditional) or O (Optional)	No note	Indicates that EDIFICE makes no recommendation regarding usage. The trading partners must agree on usage.
Blank	C or X (Conditional) or O (Optional)	ADVISED	EDIFICE 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 EDIFICE 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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			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	

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
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

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSR01	850	**Status Report Code**	M ID 1/2

Code indicating the reason for sending the report
  1   Response to an Order Status Inquiry (869)
  2   Prearranged Schedule or Agreement

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSR02	847	**Order/Item Code**	M ID 1/2

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSR03	127	**Reference Identification**	M AN 1/30

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.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BSR04	373	**Date**	M DT 8/8

Date expressed as CCYYMMDD
Date sender generated report.

	Ref. Des.	Data Element	Name	Attributes
Not Used	BSR05	848	**Product/Date Code**	O ID 1/2

Code indicating whether the inquiry is based on products and/or date parameters
Refer to 004010 Data Element Dictionary for acceptable code

values.

| | BSR06 | 849 | **Location Code** | O | ID 1/2 |

Code indicating the selection of a supplier's and/or buyer's locations or group of locations

EDIFICE USAGE: Optional.

    SL   Selected Buyer Location(s)

| | BSR07 | 337 | **Time** | O | TM 4/8 |

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)

EDIFICE USAGE: Optional.

| | BSR08 | 127 | **Reference Identification** | O | AN 1/30 |

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

EDIFICE USAGE: Optional.

| | BSR09 | 373 | **Date** | O | DT 8/8 |

Date expressed as CCYYMMDD

EDIFICE USAGE: Optional.

Date inquirer requested report.

Not Used   BSR10   337   **Time**   O   TM 4/8

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)

Not Used   BSR11   353   **Transaction Set Purpose Code**   O   ID 2/2

Code identifying purpose of transaction set
Refer to 004010 Data Element Dictionary for acceptable code values.

Not Used   BSR12   306   **Action Code**   O   ID 1/2

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

	Ref. Des.	Data Element	Name	Attributes
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

	Ref. Des.	Data Element	Name	Attributes
	N102	93	**Name**	X AN 1/60

Free-form name

	Ref. Des.	Data Element	Name	Attributes
	N103	66	**Identification Code Qualifier**	X ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

EDIFICE 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

	Ref. Des.	Data Element	Name	Attributes
	N104	67	**Identification Code**	X AN 2/80

Code identifying a party or other code

EDIFICE USAGE: Advised.

	Ref. Des.	Data Element	Name	Attributes
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

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	PRF01	324	Purchase Order Number	M AN 1/22
			Identifying number for Purchase Order assigned by the orderer/purchaser	
			EDIFICE recommends a 1/6 data element size.	
	PRF02	328	Release Number	O AN 1/30
			Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
			EDIFICE USAGE: Optional.	
	PRF03	327	Change Order Sequence Number	O AN 1/8
			Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	
			EDIFICE USAGE: Optional.	
	PRF04	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
Not Used	PRF05	350	Assigned Identification	O AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
	PRF06	367	Contract Number	O AN 1/30
			Contract number	
			EDIFICE USAGE: Optional.	
Not Used	PRF07	92	Purchase Order Type Code	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:	EDIFICE USAGE: Depending.

EDIFICE 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

	Ref. Des.	Data Element	Name	Attributes	
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

	Ref. Des.	Data Element	Name	Attributes	
	ISR02	373	Date	O	DT 8/8

Date expressed as CCYYMMDD

EDIFICE USAGE: Optional.

	Ref. Des.	Data Element	Name	Attributes	
	ISR03	641	Status Reason Code	O	ID 3/3

Code indicating the status reason

EDIFICE 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:	EDIFICE 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

Ref. Des.	Data Element	Name	Attributes
PO101	350	**Assigned Identification**	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
		EDIFICE USAGE: Advised.	
		EDIFICE recommends a 1/6 data element size. This should be the buyer's Purchase Order line sequence number from the original purchase order.	
PO102	330	**Quantity Ordered**	X R 1/15
		Quantity ordered	
		EDIFICE USAGE: Advised.	
PO103	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	
		EDIFICE USAGE: Advised.	
		EA Each	

| PO104 | 212 | Unit Price | X | R 1/17 |

Price per unit of product, service, commodity, etc.

| PO105 | 639 | Basis of Unit Price Code | O | ID 2/2 |

Code identifying the type of unit price for an item

EDIFICE 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 | Product/Service ID Qualifier | 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 | Product/Service ID | 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 | Product/Service ID Qualifier | 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 | Product/Service ID | X | AN 1/48 |

Identifying number for a product or service

| PO110 | 235 | Product/Service ID Qualifier | 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 | Product/Service ID | X | AN 1/48 |

Identifying number for a product or service

| PO112 | 235 | Product/Service ID Qualifier | 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	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO114	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list in PO106.		
PO115	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO116	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list in PO106.		
PO117	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO118	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list in PO106.		
PO119	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO120	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list in PO106.		
PO121	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO122	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list in PO106.		
PO123	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		
PO124	235	**Product/Service ID Qualifier**	X	ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		See code list in PO106.		
PO125	234	**Product/Service ID**	X	AN 1/48
		Identifying number for a product or service		

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:	EDIFICE USAGE: Depending. Advised if PO1 used
	ISR/QTY pairs within the PO1 loop may generally be viewed as "schedule" data.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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

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)

	Ref. Des.	Data Element	Name	Attributes
	ISR02	373	**Date**	O DT 8/8

Date expressed as CCYYMMDD

EDIFICE USAGE: Depending. Use if appropriate (e.g. appropriate to send a date if ISR01 = 'CC' but not appropriate if ISR01 = 'PN').

	Ref. Des.	Data Element	Name	Attributes
Not Used	ISR03	641	**Status Reason Code**	O ID 3/3

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

	Ref. Des.	Data Element	Name	Attributes	
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	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	C00108	1018	Exponent	O	R 1/15

Power to which a unit is raised

Not Used	C00109	649	Multiplier	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00110	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	C00111	1018	Exponent	O	R 1/15

Power to which a unit is raised

Not Used	C00112	649	Multiplier	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	C00113	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	C00114	1018	Exponent	O	R 1/15

Power to which a unit is raised

Not Used	C00115	649	Multiplier	O	R 1/10

Value to be used as a multiplier to obtain a new value

Not Used	QTY04	61	Free-Form Message	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

	Ref. Des.	Data Element	Name	Attributes
Must Use	CTT01	354	Number of Line Items	M N0 1/6

Total number of line items in the transaction set
Total number of HL segments in the transaction set.

Not Used	CTT02	347	Hash Total	O R 1/10

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

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	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.	

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*	PO1 Baseline Item Data

AM9876'	
ISR*PH	ISR Item Status Report
PO1*3*7000*EA*134.5*CT*BP*3AB7766*VP*AM3434'	PO1 Baseline Item Data
ISR*PR*19980308'	ISR Item Status Report
QTY*01*3600'	QTY Quantity
SUMMARY SECTION	
CTT*4'	CTT Transaction Totals
SE*35*02044'	SE Transaction Set Trailer

Example 1 Explanation

HEADER SECTION	
ST*870*02044'	**ST Transaction Set Header**
	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'	**BSR Beginning Segment for Order Status Report**
	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 BSI101 number from the 869 is returned in the BSR03.)
	BSR04/373 Date [M/DT 8/8]: 19980308 (March 8, 1998)
N1*MF**91*ABC'	**N1 Name**
	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'	**N1 Name**
	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.)

DETAIL SECTION	
HL*1**O'	**HL Hierarchical Level**
	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'	**PRF Purchase Order Reference**
	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'	**ISR Item Status Report**
	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'	**HL Hierarchical Level**
	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'	**PRF Purchase Order Reference**
	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'	**PO1 Baseline Item Data**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**PO1 Baseline Item Data**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**HL Hierarchical Level**
	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'	**PRF Purchase Order Reference**
	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'	**ISR Item Status Report**
	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'	**HL Hierarchical Level**
	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'	**PRF Purchase Order Reference**
	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'	**PO1 Baseline Item Data**
	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'	**ISR Item Status Report**
	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'	**PO1 Baseline Item Data**
	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	**ISR Item Status Report**
	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'	**PO1 Baseline Item Data**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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.)
SUMMARY SECTION	
CTT*4'	**CTT Transaction Totals**
	CTT01/354 Number of Line Items [M/N0 1/6]: 4 (Total number of HL segments in the transaction set.)
SE*35*02044'	**SE Transaction Set Trailer**
	SE01/96 Number of Included Segments [</N0 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

HEADER SECTION	
ST*870*02044'	**ST Transaction Set Header**
	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'	**BSR Beginning Segment for Order Status Report**
	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 BSI101 number from the 869 is returned in the BSR03.)
	BSR04/373 Date [M/DT 8/8]: 19980308 (March 8, 1998)
N1*MF**91*ABC'	**N1 Name**
	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'	**N1 Name**
	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.)
DETAIL SECTION	
HL*1**O'	**HL Hierarchical Level**
	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'	**PRF Purchase Order Reference**
	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'	**ISR Item Status Report**
	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'	**HL Hierarchical Level**
	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'	**PRF Purchase Order Reference**
	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'	**PO1 Baseline Item Data**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**

	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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'	**PO1 Baseline Item Data**
	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'	**ISR Item Status Report**
	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'	**QTY Quantity**
	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.)
SUMMARY SECTION	
CTT*2'	**CTT Transaction Totals**
	CTT01/354 Number of Line Items [M/N0 1/6]: 2 (Total number of HL segments in the transaction set.)
SE*23*02044'	**SE Transaction Set Trailer**
	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.)