



The Right Technology, Right Away.™

**Electronic Data Interchange (EDI) Standards
Inbound Order Status Report (870)
Version 004010**

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Purpose:

This document contains the format and establishes the data contents of the Order Status Report (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 segments listed below are a subset of the Order Status Report Set (870) and represents all the segments that CDW is capable of sending.

Heading:

Id	Segment Name	Req	Max Use	Repeat	Usage
ST	Transaction Set Header	M	1		Must Use
BSR	Beginning Segment for Order Status Report	M	1		Must Use
DTM	Date/Time Reference	O	>1		Used
Loop ID – N1		O		200	
N1	Name	O	1		Used
N2	Additional Name Information	O	2		Used
N3	Address Information	O	2		Used
N4	Geographic Location	O	1		Used
PER	Administrative Communications Contact	O	3		Used

Detail:

Id	Segment Name	Req	Max Use	Repeat	Usage
Loop ID – HL				1000	
HL	Hierarchical Level	M	1		Must Use
PRF	Purchase Order Reference	O	1		Must Use
ISR	Item Status Report	O	1		Must Use
DTM	Date/Time Reference	O	10		Used
REF	Reference Numbers	O	>1		Used
Loop ID – N1		O		200	
N1	Name	O	1		Used
N2	Additional Name Information	O	2		Used
N3	Address Information	O	2		Used
N4	Geographic Location	O	1		Used
REF	Reference Identification	O	12		Used
PER	Administrative Communications Contact	O	3		Used
Loop ID – PO1				1000	
PO1	Baseline Item Data	O	1		Must Use
PID	Product/Item Description	O	>1		Used
Loop ID – ISR				104	
ISR	Item Status Report	O	1		Must Use
QTY	Quantity	O	4		Used
DTM	Date/Time Reference	O	1		Used
REF	Reference Identification	O	12		Used

Summary:

Id	Segment Name	Req	Max Use	Repeat	Usage
CTT	Transactions Totals	M	1		Must Use
SE	Transaction Set Trailer	M	1		Must Use

The following is a guide to the notation that is used to present the specifications:

<u>Required or Usage</u>	<u>Element Type</u>
C Conditional	AN Alpha Numeric
M Mandatory	DT Date, in the form of YYMMDD
O Optional	ID Identifier or Qualifier
X Relational	Nx Numeric, 'x' is the number of decimal positions
U Used	R Decimal, with the decimal point included
	TM Time, in the form of HHMM

Examples do not include segment terminators.

ST Transaction Set Header

User Option (Usage): Mandatory
Purpose: To indicate the start of a transaction set and to assign a control number.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction code for document	M	ID	3/3	M

Description Code uniquely identifying a Transaction Set

<u>Code</u>	<u>Name</u>
870	Order Status Report

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

Example:

ST*870*1001

BSR Beginning Segment for Order Status Report

User Option (Usage): Must Use
Purpose: To indicate the beginning of an Order Status Report Transaction Set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSR01	850	Status Report Code	M	ID	1/2	M

<u>Code</u>	<u>Name</u>
2	Prearranged Schedule

BSR02	847	Order/Item Code	M	ID	1/2	M
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Description Code identifying a group of orders and items

<u>Code</u>	<u>Name</u>
AO	Items with Changed Status

BSR03	127	Reference Identification	M	AN	1/30	M
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Description Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.

Note: BSR03 indicates a status report document number assigned by the sender.

BSR04	373	Date	M	DT	8/8	M
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Description Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Note: BSR04 indicates the date of this report from the sender.

Example:

BSR*2*AO*REPORT_001*20010301

DTM Date/Time Reference

User Option (Usage): Used
Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	U

Description Code specifying type of date or time, or both date and time

<u>Code</u>	<u>Name</u>
007	Effective

DTM02	373	Date	X	DT	8/8	U
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Description Date expressed as CCYYMMDD

Example:

DTM~007~20010301

Loop N1

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
Loop ID – N1				200	
N1	Name	M	1		U
N2	Additional Name	O	2		U
N3	Address Information	O	2		U
N4	Geographic Location	O	1		U
PER	Administrative Communications Contact	O	3		U

N1 Name

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Type of Organization	M	ID	2/3	U

Description Code identifying an organizational entity, a physical location, property or an individual

<u>Code</u>	<u>Name</u>
BY	Buyers Name
VN	Vendors Name

N102	93	Name	X	AN	1/60	U
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Description Free-form name

N103	66	ID Code Qualifier	X	ID	1/2	U
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Description Code designating the system/method of code structure used for Identification Code (67)

N104	67	ID Code	X	AN	1/80	U
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Description Code identifying a party or other code

<u>Code</u>	<u>Name</u>
92	Assigned by Buyer
93	Assigned by Seller

Examples:

N1~VN~VENDOR_NAME~92~1234567890
 N1~BY~CDW~93~VENDOR_IDN1

N2 Additional Name Information

User Option (Usage): Optional
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name	M	AN	1/60	O

Description Free-form name

N202	93	Name	O	AN	1/60	O
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Description Free-form name

Example:

N2~Any name 1~Any Name 2

N3 Address Information

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address	M	AN	1/55	U
		<u>Description</u> Address information				
N302	166	Address	O	AN	1/55	U
		<u>Description</u> Address information				

Example:

N3~200 N Milwaukee Avenue~One CDW Way

N4 Geographic Location

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	U
		<u>Description</u> Free-form text for city name				
N402	156	State/Province Code	O	ID	2/2	U
		<u>Description</u> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	U
		<u>Description</u> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	U
		<u>Description</u> Code identifying the country				

Example:

N4~Vernon Hills~IL~60061~US

PER Administrative Communications Contact

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	U

Description Code identifying the major duty or responsibility of the person or group named

<u>Code</u>	<u>Name</u>
BD	Buyer Name or Department
IC	Information Contact

PER02	93	Name	X	AN	1/60	U
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Description Free-form name

Note: If N101 = "BY", send CDW purchasing agent.
 If N101 = "VN", send customer contact

PER03	365	Communication Number Qualifier	X	ID	2/2	U
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Description Code identifying type of communication number

<u>Code</u>	<u>Name</u>
TE	Telephone

PER04	364	Communication Number	X	AN	1/80	U
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Description Complete communications number including country or area code when applicable

PER05	365	Communication Number Qualifier	X	ID	2/2	U
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Description Code identifying type of communication number

<u>Code</u>	<u>Name</u>
EM	Electronic Mail

PER06	364	Communication Number	X	AN	1/80	U
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Description Complete communications number including country or area code when applicable

Example:

PER~IC~John Doe~TE~8475551212~EM~JDoe@mail.com

Detail:
Loop HL

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
Loop ID - HL				1000	
HL	Hierarchical Level	M	1		M
PRF	Purchase Order Reference	M	1		M
ISR	Item Status Report	M	1		M
DTM	Date/Time Reference	O	10		U
REF	Reference Identification	O	>1		U

HL Hierarchical Level – ORDER

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	N0	1/12	M
		Description	A unique number assigned by the sender to identify a particular data segment in a hierarchical structure			
HL03	735	Hierarchical Level Code	M	ID	1/2	M
		Description	Code defining the characteristic of a level in a hierarchical structure			
		Code	Name			
		O	Order			

Example:

HL~2~1~O

PRF Purchase Order Reference

User Option (Usage): Must Use
Purpose: To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number	M	AN	1/22	M
		Description				Identifying number for Purchase Order assigned by the orderer/purchaser
PRF04	373	Date	O	DT	8/8	U
		Description				Date expressed as CCYYMMDD

Example:

PRF~CDW_PO_1~20010201

ISR Item Status Report

User Option (Usage): Must Use
Purpose: To specify detailed purchase order/item status

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISR01	368	Shipment/Order Status Code	M	ID	2/2	M
		Description				Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction
		Code				Name
		HQ				Held Awaiting Qualification
		IN				In Process
		NN				Not In Process – No Shipping Schedule
		CC				Shipment Complete (On Date)
		Note:				Please notify your EDI contact if you are going to use codes not on the above list. Use HQ only in cases where all line items for the Purchase Order are in HQ status (Line Level ISR). Use NN only in cases where all line items for the Purchase Order are in either DI or IC status (Line Level ISR). For all other combinations of Line Item statuses use IN. Use CC only in cases where all line items for the Purchase Order have shipped complete.
ISR02	373	Date	O	DT	8/8	U
		Description				Date from ISR01
		Note:				Required for backordered items

Example:

ISR~IN

DTM Date/Time Reference

User Option (Usage): Optional
Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	U

Description Code specifying type of date or time, or both date and time

<u>Code</u>	<u>Name</u>
ACK	Acknowledgement Date

DTM02	373	Date	X	DT	8/8	U
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Description Date expressed as CCYYMMDD

Example:

DTM~ACK~20010201

REF Reference Numbers

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/3	U

Description Code qualifying the Reference Identification

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

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

Example:

REF~VN~VENDOR_ORDER_NUMBER_2

Loop N1

User Option (Usage): Must use
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Loop Summary:

<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
Loop ID – N1				200	
N1	Name	O	1		
N2	Additional Name	O	2		U
N3	Address Information	O	2		U
N4	Geographic Location	O	1		U
REF	Reference Identification	O	12		U
PER	Administrative Communications Contact	O	3		U

N1 Name

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Type of Organization	M	ID	2/3	U

Description Code identifying an organizational entity, a physical location, property or an individual

<u>Code</u>	<u>Name</u>
ST	Ship To

N102	93	Name	M	AN	1/60	U
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Description Free-form name

N103	66	ID Code Qualifier	X	ID	1/2	U
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Description Code designating the system/method of code structure used for Identification Code (67)

<u>Code</u>	<u>Name</u>
1	D-U-N-S Number, Dun & Bradstreet
92	Assigned by Buyer

N104	67	Identification Code	X	AN	1/80	U
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Description Code identifying a party or other code

Examples:

N1~ST~CDW~1~107627952

N2 Additional Name Information

User Option (Usage): Optional
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name	M	AN	1/60	O
		<u>Description</u> Free-form name				
N202	93	Name	O	AN	1/60	O
		<u>Description</u> Free-form name				

Example:

N2~John~Doe

N3 Address Information

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address	M	AN	1/55	U
		<u>Description</u> Address information				
N302	166	Address	O	AN	1/55	U
		<u>Description</u> Address information				

Example:

N3~200 N Milwaukee Avenue~One CDW Way

N4 Geographic Location

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	U
		Description	Free-form text for city name			
N402	156	State/Province Code	O	ID	2/2	U
		Description	Code (Standard State/Province) as defined by appropriate government agency			
N403	116	Postal Code	O	ID	3/15	U
		Description	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	26	Country Code	O	ID	2/3	U
		Description	Code identifying the country			
N405	309	Location Qualifier	O	ID	1/2	U
		Code	Name			
		DE	Destination (Shipping) (non drop-ship orders only)			
N406	310	Location Identifier	O	AN	1/30	U
		Description	Free-form text for location information			
		Code	Name			
		01	Vernon Hills, IL			
		07	North Las Vegas, NV			

Example:

N4~Vernon Hills~IL~60061~US~DE~01

REF Reference Numbers

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/3	U
		Description	Code qualifying the Reference Identification			
		Code	Name			
		EU	End User Purchase Order Number (Only for Drop-ship orders)			
REF02	127	Reference Number	X	AN	1/30	U
		Description	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Example:

REF~EU~ABC123

PER Administrative Communications Contact

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	U

Description Code identifying the major duty or responsibility of the person or group named

<u>Code</u>	<u>Name</u>
IC	Information Contact

PER02	93	Name	X	AN	1/60	U
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Description Free-form name

PER03	365	Communication Number Qualifier	X	ID	2/2	U
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Description Code identifying type of communication number

<u>Code</u>	<u>Name</u>
TE	Telephone

PER04	364	Communication Number	X	AN	1/80	U
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Description Complete communications number including country or area code when applicable

PER05	365	Communication Number Qualifier	X	ID	2/2	U
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Description Code identifying type of communication number

<u>Code</u>	<u>Name</u>
EM	Electronic Mail

PER06	364	Communication Number	X	AN	1/80	U
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Description Complete communications number including country or area code when applicable

Example:

PER~IC~John Doe~TE~8475551212~EM~JDoe@mail.com

PO1 Baseline Item Data

User Option (Usage): Mandatory
Purpose: To specify basic and most frequently used line item data.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	M	AN	1/20	M

Description Alphanumeric characters assigned for differentiation within a transaction set

Note: This element is used to identify the purchase order line item number.

PO102	330	Quantity Ordered	X	R	1/15	M
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Description Quantity ordered

PO103	335	Unit of Measurement Code	O	ID	2/2	M
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Description Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

<u>Code</u>	<u>Name</u>
EA	Each

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

PO105	639	Basis of Unit Price Code	O	ID	2/2	O
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Description Code identifying the type of unit price for an item

<u>Code</u>	<u>Name</u>
CA	Catalog
PE	Price per Each

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

<u>Code</u>	<u>Name</u>
BP	Buyer Part Number

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

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

<u>Code</u>	<u>Name</u>
MG	Manufacturer's Part Number

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

PO110	235	Product/Service ID Qualifier	X	ID	2/2	U
		Description	Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		Code	Name			
		VP	Vendor's Part Number			
PO111	234	Product/Service ID	X	AN	1/48	U
		Description	Identifying number for a product or service			
PO112	235	Product/Service ID Qualifier	X	ID	2/2	U
		Description	Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		Code	Name			
		OE	OEM Part Number			
PO113	234	Product/Service ID	X	AN	1/48	U
		Description	Identifying number for a product or service			
PO114	235	Product/Service ID Qualifier	X	ID	2/2	U
		Description	Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		Code	Name			
		UP	U.P.C. Consumer Package Code			
PO115	234	Product/Service ID	X	AN	1/48	U
		Description	Identifying number for a product or service			
PO116	235	Product/Service ID Qualifier	X	ID	2/2	U
		Description	Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		Code	Name			
		UR	UCC/EAN-128 Code			
PO117	234	Product/Service ID	X	AN	1/48	U
		Description	Identifying number for a product or service			
PO118	235	Product/Service ID Qualifier	X	ID	2/2	U
		Description	Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		Code	Name			
		AC	Aggregation Code (Used to Consolidate Part Families)			
PO119	234	Product/Service ID	X	AN	1/48	U
		Description	Identifying number for a product or service			

Example:

PO1~000000~10~EA~9817.92~~BP~217220~MG~1234567~VP~C7834A#ABA~OE~OEM1234~UP~88698919064~UR~1234567890123~AC~XYZ123

PID Product/Item Description

User Option (Usage): Used
Purpose: To describe a product or process in coded or free-form format.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	U

Description Code indicating the format of a description

<u>Code</u>	<u>Name</u>
F	Free Form

PID05	352	Description	M	AN	1/8	U
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Description A free-form description to clarify the related data elements and their content

Example:

PID~F~~~~DESCRIPTION OF ITEM

ISR Item Status Report

User Option (Usage): Must Use
Purpose: To specify detailed purchase order/item status

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISR01	368	Shipment/Order Status Code	M	ID	2/2	M

Description Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction

<u>Code</u>	<u>Name</u>
IN	In Process
BO	Back Ordered
BP	Shipment Partial, Back Order to Ship on (date)
CC	Shipment Complete on (date)
CK	Cancelled from Previous Order
HQ	Held Awaiting Qualification
HQ	Credit Hold
HQ	Processing Delay
IC	Item Cancelled
DI	Item Manufacturer-Discontinued
PR	Partial Shipment

Note: Please notify your EDI contact if you are going to use any codes not on the above list.

ISR02	373	Date	O	DT	8/8	U
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Description Date from ISR01

Note: Required for backordered items

ISR03	641	Status Reason Code	X	ID	3/3	U
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Description Code indicating the status reason

<u>Code</u>	<u>Name</u>
C02	Credit Hold
B40	Suspended, Manufacturer Product Hold
W04	On Hold pending (Required) Qualification Information
REJ	Buyer not authorized to purchase item.

Note: Required for all HQ or IC status. Please notify your EDI contact if you are going to use codes not on the above list.

Example:

ISR~BO~20010227
 ISR~HQ~~C02
 IST~IC~~REJ

QTY Quantity

User Option (Usage): Must Use
Purpose: To specify quantity information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	Quantity Qualified	M	ID	2/2	M

Description Code specifying the type of quantity

<u>Code</u>	<u>Name</u>
01	Discrete Quantity
27	Committed Quantity
39	Shipped Quantity
40	Remaining Quantity

QTY02	380	Quantity	C	R	1/15	M
-------	-----	----------	---	---	------	---

Description Numeric value of quantity

QTY03	C001	Composite Unit of Measure				
	355	Unit of Basis for Measurement	O	ID	2/2	U

<u>Code</u>	<u>Name</u>
UN	Units

Example:

QTY~01~10~UN

DTM Date/Time Reference

User Option (Usage): Used
Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	M

Description Code specifying type of date or time, or both date and time

<u>Code</u>	<u>Name</u>
010	Requested Ship
017	Estimated Delivery
035	Delivered On
068	Scheduled Ship

Note: Required for backordered items (or can be sent in ISR – see above)

DTM02	373	Date	C	DT	8/8	M
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Description Date expressed as CCYYMMDD

DTM03	337	Time	C	TM	6/6	U
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Example:

DTM~068~20010320

REF Reference Numbers

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	U

Description Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
BM	Bill of Lading
SI	Shippers ID # for Shipment

REF02	127	Reference Identification	C	AN	1/30	U
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Description Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Example:

REF~BM~BILL_C

CTT Transaction Totals

User Option (Usage): Used
Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	U

Description Total number of line items in the transaction set

Examples:

CTT~1

SE Transaction Set Trailer

User Option (Usage): Mandatory
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Segments in Transaction	M	N0	1/10	M
		<u>Description</u>				Total number of segments included in a transaction set including ST and SE segments
SE02	329	Transaction Set Control	M	AN	4/9	M
		<u>Description</u>				Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Example:

SE~57~1001

Appendix A – Change List

SEGMENT	ELEMENT	QUAL	DESCRIPTION
HEADER			
PER	01	BD	Buyer Name or Department
PER	05/06	EM	Electronic Mail address
HL - ORDER			
ISR	01		Acceptable codes listed and qualifying rule(s) defined
DTM	01/02	ACK	PO Acknowledged date
REF	01/02	VN	Vendor Order Number
N4	05/06	DE	CDW Warehouse Location Codes
REF	01/02	EU	End User PO Number (Drop-ship orders only)
DETAIL			
PO1	06/07	BP	Buyer (CDW) Part Number
PO1	08/09	MG	Manufacturer Part Number
PO1	10/11	VP	Vendor Part Number
PO1	12/13	OE	OEM Part Number
PO1	14/15	UP	U.P.C. Consumer Package Code
PO1	16/17	UR	UCC/EAN-128 Code
PO1	18/19	AC	Aggregation Code (Used to Consolidate Part Families)
ISR	01		Acceptable codes listed
ISR	03		Acceptable codes and qualifying rules listed
QTY	01/02		Acceptable codes listed
DTM	01/02		Acceptable codes listed

Appendix B - Sample Inbound Order Status Report (870)

ST~870~1001
BSR~2~AO~REPORT_001~20010301
DTM~007~20010301
N1~VN~VENDOR_NAME~92~1234567890
N1~BY~CDW~93~VENDOR_ID
HL~1~~O
PRF~CDW_PO_1~20010201
ISR~IN
REF~SW~SELLER_ORDER_NUMBER_1
N1~ST~SHIP_TO_NAME_1~93~SHIPTO_ID
N2~ATTN:SHIP_TO_CONTACT
N3~SHIP_TO_ADDRESS_1
N4~SHIP_TO_CITY~IL~60018
REF~EU~END_USER_PO
PER~IC~SHIP_TO_CONTACT~TE~1(800)555-5555
PO1~000001~100~UN~50.50~CA~BP~CDW_ITEM_1~VP~VENDOR_ITEM_1~MG~MANUF_ITEM_1
PID~F~02~~~DESCRIPTION OF ITEM_1
ISR~HQ~~P01
QTY~01~50~UN
ISR~PR~20010228
QTY~01~50~UN
REF~BM~BILL_A
PO1~000002~50~UN~100~CA~BP~CDW_ITEM_2~VP~VENDOR_ITEM_2~MG~MANUF_ITEM_2
PID~F~02~~~DESCRIPTION OF ITEM_2
ISR~IC
QTY~01~50~UN
REF~R2~CANC_REV_NUM_2
HL~2~~O
PRF~CDW_PO_2~20010202
ISR~CC
REF~SW~SELLER_ORDER_NUMBER_2
N1~ST~SHIP_TO_NAME_2~93~SHIPTO_ID
N2~ATTN:SHIP_TO_CONTACT
N3~SHIP_TO_ADDRESS_2
N4~SHIP_TO_CITY~IL~60018
REF~EU~END_USER_PO
PER~IC~SHIP_TO_CONTACT~TE~1(800)555-5555
PO1~000004~10~UN~75.80~CA~BP~CDW_ITEM_3~VP~VENDOR_ITEM_3~MG~MANUF_ITEM_3
PID~F~02~~~DESCRIPTION OF ITEM_3
ISR~CC~20010227
QTY~01~10~UN
REF~BM~BILL_B
HL~3~~O
PRF~CDW_PO_3~20010203
ISR~IN
REF~SW~SELLER_ORDER_NUMBER_3
N1~ST~SHIP_TO_NAME_3~93~SHIPTO_ID
N2~ATTN:SHIP_TO_CONTACT
N3~SHIP_TO_ADDRESS_3
N4~SHIP_TO_CITY~IL~60018
REF~EU~END_USER_PO
PER~IC~SHIP_TO_CONTACT~TE~1(800)555-5555
PO1~000001~5~UN~1008.65~CA~BP~CDW_ITEM_4~VP~VENDOR_ITEM_4~MG~MANUF_ITEM_4
PID~F~02~~~DESCRIPTION OF ITEM_4
ISR~IN
QTY~01~3~UN
DTM~068~20010320
ISR~CC~20010226
QTY~01~2~UN
REF~BM~BILL_C
CTT~3
SE~57~1001