



EDI Implementation Guide

B2B 850 Purchase Order

X12 Version 004010

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850 Purchase Order

Functional Group ID=PO

Introduction:

This Purchase Order will be used when customers cannot manage the option indicator code, the part action codes (add, upgrade, downgrade, configure) separately from the part being ordered. This is referred to as the commodity EDI 850 PO and is used in conjunction with the commodity EDI 832 CAT.

The Dell business model is a build-to-order model unlike any other computer manufacturer, which uses the retail model. This is why Dell will provide its version of the EDI 832 CAT and EDI 850 PO instead of allowing customers to use any preexisting EDI 832 and EDI 850 PO that have been used with other suppliers.

Heading:

<u>Dell</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BEG	Beginning Segment for Purchase Order	M	1		
LOOP ID - N1						2	
M	310	N1	Name	M	1		
M	330	N3	Address Information	M	2		
M	340	N4	Geographic Location	M	1		
M	360	PER	Administrative Communications Contact	M	1		

Detail:

<u>Dell</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1						100000	
M	010	PO1	Baseline Item Data	M	1		n1
LOOP ID - PID						1000	
M	050	PID	Product/Item Description	O	1		

Summary:

<u>Dell</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - CTT						1	
M	010	CTT	Transaction Totals	O	1		n2
M	030	SE	Transaction Set Trailer	M	1		



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.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9



Segment: **BEG** Beginning Segment for Purchase Order
 Position: 020
 Loop:
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Syntax Notes:
 Semantic Notes: 1 BEG05 is the date assigned by the purchaser to purchase order.
 Comments:

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BEG01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
M	BEG02	92	Purchase Order Type Code Code specifying the type of Purchase Order KN Purchase Order	M ID 2/2
M	BEG03	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/15
M	BEG05	373	Date Date expressed as CCYYMMDD	M DT 8/8



Segment: **N1** Name
 Position: 310
 Loop: N1 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: To identify a party by type of organization, name, and code
 Syntax Notes:
 Semantic Notes:
 Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification
 Notes: The N1 Loop may occur up to 2 times.

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BT Bill-to-Party ST Ship To	M ID 2/2
M	N102	93	Name Free-form name	M AN 1/30



Segment: **N3** Address Information
 Position: 330
 Loop: N1 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: 2
 Purpose: To specify the location of the named party
 Syntax Notes:
 Semantic Notes:
 Comments:
 Notes: The second occurrence of this segment may be used with the BT and ST codes only.

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/30
	N302	166	Address Information Address information	O AN 1/30



Segment: **N4** Geographic Location
 Position: 340
 Loop: N1 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: >1
 Purpose: To specify the geographic place of the named party
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>M</u>	<u>Des.</u>	<u>Element</u>		
M	N401	19	City Name Free-form text for city name	M AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M ID 2/2
M	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M ID 3/15
M	N404	26	Country Code Code identifying the country	M ID 2/3



Segment: **PER** Administrative Communications Contact
 Position: 360
 Loop: N1 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: >1
 Purpose: To identify a person or office to whom administrative communications should be directed

Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			OC Order Contact	
M	PER02	93	Name	M AN 1/30
			Free-form name	
M	PER03	365	Communication Number Qualifier	M ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
M	PER04	364	Communication Number	M AN 1/80
			Complete communications number including country or area code when applicable	
			Used with ST and BT codes.	
M	PER05	365	Communication Number Qualifier	M ID 2/2
			Code identifying the type of communication number	
			EM Email Address	
M	PER06	364	Communication Number	M AN 1/80
			Complete email address	
			Used with ST code only.	



Segment: **PO1** Baseline Item Data
 Position: 010
 Loop: PO1 Mandatory
 Level: Detail
 Usage: Mandatory
 Max Use: 1
 Purpose: To specify basic and most frequently used line item data

Syntax Notes:

Semantic Notes:

- Comments: 1 See the Data Element Dictionary for a complete list of IDs.
 2 PO101 is the line item identification.

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u>	<u>Element</u>		
M	PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
M	PO102	330	Quantity Ordered Quantity ordered	M R 1/15
	PO103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2
M	PO104	212	Unit Price Price per unit of product, service, commodity, etc.	M R 1/17
M	PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VP Vendor Part Number	M ID 2/2
M	PO107	234	Product/Service ID Identifying number for a product or service Vendor Part Number	M AN 1/48



Segment: **PID** Product/Item Description
 Position: 050
 Loop: PID Optional
 Level: Detail
 Usage: Optional
 Max Use: 1
 Purpose: To describe a product or process in coded or free-form format
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
M	PID05	352	Description A free-form description to clarify the related data elements and their content Item Description	M AN 1/80



Segment: **CTT** Transaction Totals
 Position: 010
 Loop: CTT Optional
 Level: Summary
 Usage: Optional
 Max Use: 1
 Purpose: To transmit a hash total for a specific element in the transaction set
 Syntax Notes:
 Semantic Notes:
 Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

<u>Dell</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M NO 1/6



Segment: **SE** Transaction Set Trailer
 Position: 030
 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.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M NO 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

