

ASC X12 850 Purchase Order

Barnes & Noble Distribution

Transaction Subset

KEY TO FORMAT

Data to left - ASC X12 Data Element Designation

Description in center - ASC X12 Data Element description

Data to right - ASC X12 constant value or data to be sent

"Null" - indicates no data sent (or recognized) for the Data Element

Table 1

GS				
FUNCTIONAL GROUP HEADER				
GS01	479	ID	Functional Identifier Code	'PO'
GS02	142	AN	Application Sender's Code	B&N SAN
GS03	124	AN	Application Receiver's Code	Vendor SAN
GS04	29	DT	Group Date (Translator Generated)	CCYYMMDD
GS05	30	TM	Group Time (Translator Generated)	HHMM
GS06	28	N0	Group Control Number	Sequentially assigned to each functional group
GS07	455	ID	Responsible Agency Code	'X'
GS08	480	ID	Version/Release/Industry ID Code	'004010'
ST				
TRANSACTION SET HEADER				
ST01	143	ID	Transaction Set Identifier Code	'850'
ST02	329	AN	Transaction Set Control Number	Sequentially assigned within functional groups

Table 2

BEG		BEGINNING SEGMENT FOR PURCHASE ORDER		
BEG01	353	ID	Transaction Set Purpose Code (Original)	'00'
BEG02	92	ID	Purchase Order Type Code (New) 'BY' - Fast Replenishment 'NE' - New Order (Default for All New Orders) 'NS' - New Store, Pack by Subject 'OS' - Special Order 'RE' - Replenishment, Pack by Subject 'RO' - Spreadsheet, Rush 'SS' - Spreadsheet, Normal Spreadsheet Processing	As Appropriate
BEG03	324	AN	Purchase Order Number	Per Sender
BEG04	328	AN	Release Number	Null
BEG05	373	DT	Purchase Order Date (YYMMDD)	Per Sender
BEG06	367	AN	Contract Number	Null
BEG07	587	ID	Acknowledgment Type 'AE' - Acknowledge with Exception Detail Only	'AE'

CUR			CURRENCY	
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CUR010	98	ID	Entity Identifier	'BY' Buying Party
CUR020	100	ID	Currency Code	'USD' US Dollars
CUR030	280	R	Exchange Rate	00-Xchange Rate
CUR040	98	ID	Entity Identifier	'SE' Selling Party
CUR050 - CUR210			NOT USED	

CSH			HEADER SALE CONDITION	
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CSH010	563	ID	Sales Require Code	As appropriate
			'B' - Backorder Only If Not Yet Published	
			'N' - No Backorder	
			'O' - Backorder If Out of Stock or Not Yet Published	
CSH020 - CSH100			NOT USED	

DTM			DATE/TIME REFERENCE	
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DTM010	374	ID	Date/Time Qualifier	'001'
			'001' - Cancel after	
DTM020	373	DT	Date	YYMMDD
DTM030	337	TM	Time	Null
DTM040	623	ID	Time Code	Null
DTM050	624	N0	Century	As Appropriate
			'20'	
DTM060 - DTM070			NOT USED	

TD5 Not Used **CARRIER DETAIL (ROUTING)**

TD5010	133	ID	Routing Sequence	Null
TD5020	66	ID	Identification	Null
TD5030	67	AN	Identification	Null
TD5040	91	ID	Transportation Method	'AF'=AIR 'O' = SEA
TD5050 - TD5140		NOT USED		

N1	NAME			
N101	98	ID	Entity Identifier Code	'ST'
N102	93	AN	Name (Optional)	Null
N103	66	ID	Identification Code Qualifier	'15' = SAN
N104	67	ID	Identification Code (Ship To SAN)	Per Sender

N1	NAME			
N101	98	ID	Entity Identifier Code	'BT'
N102	93	AN	Name (Optional)	Null
N103	66	ID	Identification Code Qualifier □15' - SAN	'15'
N104	67	ID	Identification Code (Bill To SAN)	Per Sender

SECOND N1 SEGMENT IS NECESSARY WHEN SENDING BILL-TO ELEMENT

REF	REFERENCE NUMBERS			
REF01	128	ID	Reference Number Qualifier 'PD' - Promotion/Deal Number	'PD'
REF02	127	AN	Reference Number (Promotion Code)	Per Sender

PO1		PURCHASE ORDER BASELINE ITEM DATA		
PO1 010	350	AN	Assigned Identifier (Line Item Number)	Per Sender
PO1 020	330	R	Quantity Ordered	Per Sender
PO1 030	255	ID	Unit of Measurement Code 'UN' - Unit	'UN'
PO1 040	212	R	Unit Price	Per Sender
PO1 050	639	ID	Basis Unit Price Code 'SR' - Suggested Retail (List)	'SR'
PO1 060	235	ID	Product/Service ID Qualifier 'IB' - ISBN (10) 'UP' - UPC (12)	As Appropriate
PO1 070	234	AN	Product/Service ID ISBN or UPC	Per Sender
PO1-080 > P01-130			<i>MAY NOT BE SENT...</i>	
PO1 140	235	ID	Product/Service ID Qualifier MUTUALLY DEFINED	As Appropriate 'ZZ'
PO1 150	234	AN	Product/Service ID SHORT DISCOUNT	Per Sender 'SD'
PO1 160	235	ID	Product/Service ID EAN Qualifier	Per Sender 'EN'
PO1 170	234	AN	Product/Service ID EAN (13)	Per Sender
PO1 180	235	ID	Product/Service ID Qualifier GTIN Qualifier	As Appropriate 'UK'
PO1 190	234	AN	Product/Service ID GTIN (14)	Per Sender

CTP		PRICING INFORMATION		
CTP01	687	ID	Class of Trade Code	Null
CTP02	236	ID	Price Qualifier Code	Null
CTP03	212	R	Unit Price (Unit Price)	Null
CTP04	380	R	Quantity	Null
CTP05	355	ID	Unit of Measurement Code	Null
CTP06	648	ID	Price Multiplier ID Qualifier	'DIS'
CTP07	649	R	Multiplier Discount = 100000 x (1.00 - CTP07)	Per Sender

ASC X12 multiplier is defined as a 'Real Number' and must carry a decimal. A discount of 43% is represented by a multiplier of .57 in X12. BISAC fixed format states the same discount as 43000.

IT8		CONDITIONS OF SALE		
(Conditional, if backorder instructions for line differ from instructions for order)				
IT8010	563	ID	Sales Require Code (Backorder Code for Line Item) As Appropriate 'B' - Backorder Only If Not Yet Published 'N' - No Backorder 'O' - Backorder If Out of Stock or Not Yet Published	
IT8020 - IT8270		NOT USED		

Table 3

DTM		DATE/TIME REFERENCE		
DTM01	374	ID	Date/Time Qualifier '010' – arrival date	010'
DTM02	373	DT	Date	YYMMDD
DTM03	337	TM	Time	Null
DTM04	623	ID	Time Code	Null
DTMO5	624	N0	Century '20'	As Appropriate
CTT		TRANSACTION TOTALS		
CTT01	354	N0	Number of Line Items	Count of PO1 Segments
CTT02	347	R	Hash Total	Hash Total Units
SE		TRANSACTION SET TRAILER		
SE01	96	N0	Number of Included Segments	Count of all segments including 'ST' and 'SE'
SE02	329	AN	Transaction Set Control Number	Must be the same number as in the ST02 segment
GE		FUNCTIONAL GROUP TRAILER		
GE01	97	N0	Number of Included Sets	Count of 'ST' segments
GE02	28	N0	Group Control Number	Must be the same number as in the GS06 segment