

ASC X12 810 Invoice **Version 4010** **Barnes & Noble Transaction Subset**

KEY TO FORMAT

Data to left - ASC X12 Data Element Designation
 Description in center - ASC X12 Data Element description
 Description 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	'IN'
GS02	142	AN	Application Sender's Code	Vendor SAN
GS03	124	AN	Application Receiver's Code	1709011
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	AN	Version/Release/Industry ID Code	'004010'
ST		TRANSACTION SET HEADER		
ST01	143	ID	Transaction Set Identifier Code	'810'
ST02	329	AN	Transaction Set Control Number	Sequentially assigned within functional groups

BIG **BEGINNING SEGMENT FOR INVOICE**

BIG01	373	DT	Invoice Date	CCYYMMDD
BIG02	76	AN	Invoice Number	Vendor Invoice Number
BIG03	373	DT	Purchase Order Date	CCYYMMDD
BIG04	324	AN	Purchase Order Number	B&N Purchase Order Number
BIG05	328	AN	Release Number	Null
BIG06	327	AN	Change Order Sequence Number	Null
BIG07	640	ID	Transaction Type Code	Per Sender

N1 **NAME**

N101	98	ID	Entity Identifier Code 'ST' - Ship To	As Appropriate
N102	93	AN	Name	Null
N103	66	ID	ID Code Qualifier '15' - SAN	'15'
N104	67	AN	Identification Code	SAN from orig. PO.

N1 **NAME**

N101	98	ID	Entity Identifier Code 'BT' - Bill To	As Appropriate
N102	93	AN	Name	Null
N103	66	ID	ID Code Qualifier '15' - SAN	'15'
N104	67	AN	Identification Code	SAN from orig. PO.

Table 2

IT1	BASELINE ITEM DATA (INVOICE)			
IT101	350	AN	Assigned Identifier	Null
IT102	358	R	Quantity Invoiced	Quantity Shipped
IT103	355	ID	Unit of Measurement Code 'UN' - Unit	'UN'

Following Data Element contains the *Unit Net Price* (unit price after discount, *rounded by vendor*)

IT104	212	R	Unit Price	Net Price
IT105	639	ID	Basis Unit Price Code 'PE' - Price Per Each (Net)	PE'
IT106	235	ID	Product/Service ID Qualifier Shpd. 'IB' – ISBN-10 'UP' – UPC-12 'EN' – EAN-13 'UK' – GTIN-14 Ord. 'AI' - Alternate ISBN-10 'RP' - Replaced Part UPC-12 'RR' - Alternate EAN-13 'SR' - Alternate GTIN-14	As Appropriate
IT107	234	AN	Product/Service ID	ISBN, UPC, EAN,GTIN As appropriate

For following optional information:

If ISBN or UPC substitution; a *different* ISBN or UPC from the ISBN or UPC ordered will be shipped:

IT108	235	ID	Product/Service ID Qualifier Shpd. 'IB' – ISBN-10 'UP' – UPC-12 'EN' – EAN-13 'UK' – GTIN-14 Ord. 'AI' - Alternate ISBN-10 'RP' - Replaced Part UPC-12 'RR' - Alternate EAN-13 'SR' - Alternate GTIN-14	'RP', 'IB'
IT109	234	AN	Product/Service ID (ISBN or UPC Ordered When Different From Shipped)	ISBN or UPC

For following optional information:

If Purchase Order Number associated with the Item differs from the Purchase Order Number in BIG04

IT110	235	ID	Product/Service ID Qualifier 'PO' - Purchase Order Number	'PO'
IT111	234	AN	Product/Service ID	B&N PO Number
IT112	235	ID	Product/Service ID Qualifier	As Appropriate
		Shpd.	'IB' – ISBN-10 'UP' – UPC-12 'EN' – EAN-13 'UK' – GTIN-14	
		Ord.	'AI' - Alternate ISBN-10 'RP' - Replaced Part UPC-12 'RR' - Alternate EAN-13 'SR' - Alternate GTIN-14	
IT113	234	AN	Product/Service ID	ISBN, UPC, EAN As appropriate
IT114	235	ID	Product/Service ID Qualifier	As Appropriate
		Shpd.	'IB' – ISBN-10 'UP' – UPC-12 'EN' – EAN-13 'UK' – GTIN-14	
		Ord.	'AI' - Alternate ISBN-10 'RP' - Replaced Part UPC-12 'RR' - Alternate EAN-13 'SR' - Alternate GTIN-14	
IT115	234	AN	Product/Service ID	ISBN, UPC, EAN As appropriate

IT3 **ADDITIONAL ITEM DATA**

IT301	382	R	Number Units Shipped	Null
IT302	355	ID	Unit of Measurement Code	Null
IT303	368	ID	Ship/Order Status Code	As Appropriate

'AS' - Available: Shipping Same ISBN
 'AN' - New Edition or ISBN
 'CD' - Cancelled: Delay in Publication
 'CA' - Cancelled: Not Yet Available
 'BA' - Back Ordered: Not Yet Available
 'CR' - Cancelled: To Be Reprinted
 'BR' - Back Ordered: To Be Reprinted
 'CO' - Cancelled: Out of Stock
 'CE' - Cancelled: Partially Shipped; Balance Cancelled
 'BP' - Partially Shipped; Balance Back Ordered
 'CJ' - Cancelled: Out of Print in Cloth; Paper Available
 'CL' - Cancelled: Out of Print in Paper; Cloth Available
 'KM' - Cancelled: Market for Title Restricted
 'CB' - Cancelled: Not Our Publication
 'AX' - Available: Shipping Free Book
 'CT' - Cancelled: Publisher Late With Response
 'KS' - Cancelled: Book Sold by Subscription Only
 'CG' - Cancelled: No Geographic Rights
 'CW' - Cancelled: Apply Direct; Not Wholesale
 'CU' - Cancelled: Kits Not Available
 'CY' - Cancelled: Not Available as Processed Book
 'CZ' - Cancelled: New Price From Publisher
 'KK' - Cancelled: ISBN Incorrect or Unknown
 'KP' - Cancelled: Out of Print
 'BO' - Back Ordered: At Customer's Request

CTP	PRICING INFORMATION			
------------	----------------------------	--	--	--

CTP01	687	ID	Class of Trade Code	Null
CTP02	236	ID	Price Qualifier Code 'SLP' - Suggested List Price	'SLP'
CTP03	212	R	Unit Price	Per Sender
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	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.

SAC	SERVICE (Optional)		use for Freight Pass-thru
------------	---------------------------	--	---------------------------

SAC01248	ID	Allowance/Charge Ind.	'A'
SAC021300	ID	Service Promotion	Null
SAC03559	ID	Agency Qualifier Code	Null
SAC041301	ID	Agency Service	Null
SAC05610	N2	Amount	FPT amount
SAC06378	ID	Allowance / Charge	Null
SAC07332	R	Percent	Null
SAC08118	R	Rate	Null
SAC09355	ID	Unit or Basis	Null
SAC100	380	R Quantity	Null
SAC110	380	R Quantity	Null
SAC120	331	ID Allowance or Charge	Null
SAC130	127	AN Reference Identifier	Null
SAC140	770	AN Option Number	Null
SAC150	352	AN Description	Null

TDS		TOTAL MONETARY VALUE SUMMARY		
TDS01	610	N2	Total Invoice Amount	Total Invoice Amt.
TDS02	610	N2	Amount Subject to To Discount	Null
TDS03	610	N2	Discounted Amount Due	Total Net Price
TDS04	610	N2	Amount	Null

SAC		SERVICE (Optional)	use for Shipping charges or Tax
SAC01248	ID	Allowance/Charge Ind.	'C'
SAC021300	ID	Service Promotion	D200, H750, H850
SAC03559	ID	Agency Qualifier Code	Null
SAC041301	ID	Agency Service	Null
SAC05610	N2	Amount	Amount
SAC06378	ID	Allowance / Charge	Null
SAC07332	R	Percent	Null
SAC08118	R	Rate	Null
SAC09355	ID	Unit or Basis	Null
SAC100	380	R Quantity	Null
SAC110	380	R Quantity	Null
SAC120	331	ID Allowance or Charge	Null
SAC130	127	AN Reference Identifier	Null
SAC140	770	AN Option Number	Null
SAC150	352	AN Description	Null

CTT		TRANSACTION TOTALS		
CTT01	354	ID	Number of Line Items	Total IT1 Segments
CTT02	347	R	Hash Total	Total Units Shipped
CTT03	081	R	Weight	Null
CTT04	355	ID	Unit or Basis	Null
CTT05	183	R	Volume	Null
CTT06	355	ID	Unit or Basis for Volume	Null
CTT07	352	AN	Description	Bill of Lading Number

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