



**BOOKNET
CANADA**

**Unified CBISAC Version
EDI Purchase Orders
850 – Version 004010**

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Version 1.1

Prepared by: BookNet Canada

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Change Log

October 24, 2003:

Removed reference to REF – PD from EDI requirements
Removed N1 – FS segment
Added note to PO1 segment
Changed purpose in PO1 and PID segments
Added SDQ segment
Updated table of contents and sample order

November 3, 2003:

Added CUR back
Added REF – PD back
Updated table of contents and sample order

March 30, 2004:

Changed position of SDQ segment
Updated sample order to reflect change

May 15, 2005 (Doug Minett):

ISA: clarified meaning of ISA06 and ISA08 (mailbox ID not SAN).
corrected version # in ISA12 to 00401.
GS: clarified meaning of GS02 and GS03 (mailbox ID not SAN)
CUR: removed note allowing optional use if not CAD. Now mandatory
always.
REF: corrected REF01 qualifier typo, added note about source of PD#
DTM: cosmetic cleanup.

N1: corrected erroneous element lengths, removed support for non-SAN qualifiers in 'ST' and 'BT' loops. Non-SAN qualifiers continue to be supported for non-book vendors in the 'VN' loop. Reference to SDQ removed from 'ST' loop.

PO1: SDQ note removed. Note was added to describe item identifier options and provide warning regarding implementation. Explicit support for ISBN-10, ISBN-13/EAN, EAN/UCC-14 (GTIN-14), and UPC added. Main identifier information can now be sent in the same element pair, whatever the ID type. Optional support for 'NT' pricing added. Various element length errors were corrected.

CTP: cosmetic cleanup.

SDQ: removed support for SDQ from specification.

CTT: cosmetic cleanup.

Sample: updated sample to correct errors and reflect changes in specification.

May 31, 2005 (Doug Minett):

BEG: cosmetic cleanup.

N1: Non-SAN qualifier support re-added to 'ST' and 'BT' loops as non-recommended alternatives.

PO1: Explicit support for optional alternate identifier of ISBN-10, ISBN-13/EAN, EAN/UCC-14 (GTIN-14), and UPC added.



EDI Requirements and Notes

Segments and elements highlighted in bold are mandatory, while segments and elements in italics are optional.

Element Length: ISA segment contains fixed length elements. All other segments may have fixed or variable length elements.

If a segment is (OPTIONAL—REQUIRED) then it may or may not be sent but if sent then consider it a mandatory field as far as processing is concerned. For example if a DTM segment is sent with a cancel date then this segment must be processed.

The vendor is expected to process and acknowledge all PO1 order lines.



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ISA Segment

Example: ISA*00* *00* *ZZ*SND MB ID *ZZ*RCV MB ID
*000831*1055*U*00401*000000001*0*P*

Element	Value	Length	Comment
. ISA01	00	2	'00'
. ISA02		10	' '
. ISA03	00	2	'00'
. ISA04		10	' '
. ISA05	sender mailbox qualifier	2	'ZZ' Pubnet
. ISA06	sender mailbox ID	15	sender mailbox ID
. ISA07	receiver mailbox qualifier	2	'ZZ' Pubnet
. ISA08	receiver mailbox ID	15	receiver mailbox ID
. ISA09	date	6	yymmdd
. ISA10	time	4	hhmm
. ISA11	U	1	'U' ISA standard ID
. ISA12	00401	5	'00401' ISA version ID
. ISA13	ISA control number	9	
. ISA14	0	1	'0'
. ISA15	P	1	'P' production 'T' test
. ISA16	'	1	"" sub element separator



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GS Segment

Example: GS*PO*SND MB ID*RCV MB ID*20000831*1055*1001*X*004010

Element	Value	Length	Comment
. GS01	functional identifier code	2	'PO' purchase order
. GS02	sender mailbox ID	2/15	sender mailbox ID
. GS03	receiver mailbox ID	2/15	receiver mailbox ID
. GS04	date	8	ccyymmdd
. GS05	time	4	hhmm
. GS06	GS control number	1/9	
. GS07	X	1	'X' standard
. GS08	004010	1/12	'004010' version

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ST Segment

Example: ST*850*0001

Element	Value	Length	Comment
. ST01	850	3	'850'
. ST02	ST control number	1/9	

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BEG Segment

Purpose: To indicate the beginning of the purchase order and transmit identifying numbers and dates.

Example: BEG*00*SA*123456**20000630**AC

Element	Value	Length	Comment
. BEG01	00	2	'00' original
. BEG02	PO type code	2	'SA' stand alone
. BEG03	PO #	1/22	purchase order #
. BEG04	not used		
. BEG05	order-date	8	ccyymmdd format
. BEG06	not used		
. BEG07	acknowledgement type	2	acknowledgement type 'AC'=complete ack
. BEG08	not used		
. BEG09	not used.		
. BEG10	not used.		
. BEG11	not used.		
. BEG12	not used.		

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CUR Segment

Purpose: To indicate the currency used for the prices in the shipment.

Example: CUR*SE*USD

Element	Value	Length	Comment
. CUR01	SE	2	'BY'=Buyer 'SE'=Seller
. CUR02	currency	3	'CAD' C\$ 'USD' U\$
. CUR03	not used		
. CUR04	not used		
. CUR05	not used		
. CUR06	not used		
. CUR07	not used		
. CUR08	not used		
. CUR09	not used.		
. CUR10	not used.		
. CUR11	not used.		
. CUR12	not used.		
. CUR13	not used		
. CUR14	not used		
. CUR15	not used		
. CUR16	not used		
. CUR17	not used		
. CUR18	not used		
. CUR19	not used.		
. CUR20	not used.		
. CUR21	not used.		

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(OPTIONAL--REQUIRED)

REF Segment (Promotion/Deal Reference Number)

Purpose: This REF segment is used to indicate the promotional deal number of the order. PD #s must be provided by vendors that support this functionality.

*Example: REF*PD*12345678*

Element	Value	Length	Comment
. REF01	PD	2	'PD' promotional deal number
. REF02	promotional deal #	1/30	
. REF03	not used		
. REF04	not used		
. REF05	not used		
. REF06	not used		

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(OPTIONAL)

PER Segment

Purpose: The PER segment is used to identify the buyer responsible for the purchase order.

*Example: PER*BD*JIM BARKER*

Element	Value	Length	Comment
. PER01	contact function qualifier	2	'BD' buyer name
. PER02	buyer's name	1/35	buyer's name
. PER03	not used		
. PER04	not used		
. PER05	not used		
. PER06	not used		
. PER07	not used		
. PER08	not used		
. PER09	not used.		

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CSH Segment

Purpose: This CSH segment is used to indicate the general conditions or requirements of sale regarding backorders.

Example: CSH*O

Element	Value	Length	Comment
. CSH01	O	1/2	'O' Backorder if OS or NYP 'B' Backorder if NYP 'Y' Backorder if OS 'N' No Backorders
. CSH02	not used		
. CSH03	not used		
. CSH04	not used		
. CSH05	not used		
. CSH06	not used		
. CSH07	not used		
. CSH08	not used		
. CSH09	not used		
. CSH10	not used		

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DTM Segment (Cancel Date)

Purpose: This DTM segment is used to indicate the date on which the Purchase Order is cancelled if not shipped by.

*Example: DTM*001*20001015*

Element	Value	Length	Comment
. DTM01	date qualifier	3	'001' cancel after
. DTM02	cancel date	8	ccyymmdd format
. DTM03	<i>not used</i>		
. DTM04	<i>not used</i>		
. DTM05	<i>not used</i>		
. DTM06	<i>not used</i>		

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DTM Segment (Ship Date)

Purpose: This DTM segment is used to indicate the date on which the Purchase Order is to be shipped after.

*Example: DTM*010*20001001*

Element	Value	Length	Comment
. DTM01	date qualifer	3	'010' ship date
. DTM02	ship date	8	ccyymmdd format
. DTM03	<i>not used</i>		
. DTM04	<i>not used</i>		
. DTM05	<i>not used</i>		
. DTM06	<i>not used</i>		

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N1 Segment (Bill To)

Purpose: The N1 segment will identify the Bill-To location for the order.

Example: N1*BT**15*1436008

Element	Value	Length	Comment
. N101	identifier code	2	'BT' bill to
. N102	<i>bill to name</i>	1/35	
. N103	bill to ID qualifier code	1/2	'15' SAN (preferred) '1' DUNS '12' phone '14' EAN/UCC location code prefix 'ZZ' user defined
. N104	bill to ID code	2/20	bill to SAN
. N105	not used		
. N106	not used		

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N1 Segment (Ship To)

Purpose: The N1 segment will identify the Ship To Location for the order.

Example: N1*ST**15*1186213

Element	Value	Length	Comment
. N101	identifier code	2	'ST' ship to
. N102	not used	1/35	
. N103	ship to ID qualifier code	1/2	'15' SAN (preferred) '1' DUNS '12' phone '14' EAN/UCC location code prefix 'ZZ' user defined
. N104	ship to ID	2/20	ship to SAN
. N105	not used		
. N106	not used		



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N1 Segment (Vendor)

Purpose: The N1 segment will identify the Vendor for the order.

Example: N1*VN**15*1234567

Element	Value	Length	Comment
. N101	identifier code	2	'VN' vendor
. N102	vendor name	1/35	
. N103	vendor ID qualifier code	1/2	'15' SAN (preferred) '1' DUNS '12' phone '14' EAN/UCC location code prefix 'ZZ' user defined
. N104	vendor ID code	2/20	vendor ID
. N105	not used		
. N106	not used		

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PO1 Segment

Purpose: To specify basic purchase order line item data. There will be one occurrence for each line item.

Example: PO1*1*100*EA*10.00* SR*IB*1565922255*EN*9781565922259

NOTE: Either an ISBN-10 or an ISBN-13/EAN or a EAN/UCC-14 (GTIN-14) or a UPC is mandatory. More than one main identifier may be sent (eg. ISBN-10 and ISBN-13/EAN), but only one will be used. *It is essential to check with a trading partner whether a particular identifier is supported prior to implementation.*

Element	Value	Length	Comment
. PO101	Line Number	1/20	
. PO102	Quantity ordered	1/9	
. PO103	Unit of Measure	2	'UN' unit 'EA' each
. PO104	Unit Price	1/17	
. PO105	Unit price qualifier	2	'SR' suggested list 'NT' net
. PO106	main ID qualifier	2	mandatory: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC
. PO107	main item ID	1/40	main ID #
. PO108	alt1 ID qualifier	2	optional: 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC 'VN' Vendor 'MG' Manufacture Code
. PO109	alt1 item ID	1/40	alternate 1 ID #
. PO110	alt2 ID qualifier	2	optional:

'IB' ISBN-10
'EN' ISBN-13/EAN
'UK' EAN/UCC-14
'UP' UPC
'VN' Vendor
'MG' Manufacture Code
alternate 2 ID #

. PO111	alt2 item ID	1/40
. PO112	not used	
. PO113	not used	
. PO114	not used	
. PO115	not used	
. PO116	not used	
. PO117	not used	
. PO118	not used	
. PO119	not used	
. PO120	not used	
. PO121	not used	
. PO122	not used	
. PO123	not used	
. PO124	not used	
. PO125	not used	

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(OPTIONAL--REQUIRED)

CTP Segment

Purpose: The CTP segment will specify expected price and discount.

*Example: CTP**SLP*12.95***DIS*.8*

Element	Value	Length	Comment
. CTP01	not used		
. CTP02	unit price qualifier	3	'SLP' suggested list unit price
. CTP03	unit price	1/17	
. CTP04	not used		
. CTP05	not used		
. CTP06	price multiplier qualifier	3	'DIS' discount multiplier multiplier of .8 indicates 20% discount, .6 indicates 40%
. CTP07	multiplier	1/10	
. CTP08	not used		
. CTP09	not used		
. CTP10	not used		
. CTP11	not used		

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PID Segment

Purpose: To specify unstructured line item description. There will be one occurrence for each line item.

*Example: PID*F****BOOK OF THE MONTH*

Element	Value	Length	Comment
. PID01	F	1	'F' free form description
. PID02	not used		
. PID03	not used		
. PID04	not used		
. PID05	description	1/80	product description
. PID06	not used		
. PID07	not used		
. PID08	not used		
. PID09	not used		



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CTT Segment

Purpose: To provide totals.

Example: CTT*3*500

Element	Value	Length	Comment
. CTT01	# of line items	1/6	# of PO1 segments
. CTT02	hash total	1/10	total of PO1 quantities
. CTT03	not used		
. CTT04	not used		
. CTT05	not used		
. CTT06	not used		
. CTT07	not used		

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SE Segment

Example: SE*17*0001

Element	Value	Length	Comment
. SE01	number of segments	1/10	number of segments in document including ST and SE segments
. SE02	SE control number	1/9	must match ST control number



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GE Segment

Example: GE*4*1001

Element	Value	Length	Comment
. GE01	number of documents	1/6	number of documents, number of ST/SE pairs
. GE02	GE control number	1/9	must match GS control number

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IEA Segment

Example: IEA*1*000000001

Element	Value	Length	Comment
. IEA01	number of envelopes	1/5	number of GS/GE pairs
. IEA02	IEA control number	9	must match ISA control number



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Sample Book Order

ISA*00* *00* *ZZ*SND MB ID *ZZ*RCV MB ID
*000831*1055*U*00401*000000001*0*P*'
GS*PO*SND MB ID*RCV MB ID*20000831*1055*1001*X*004010
ST*850*0001
BEG*00*SA*123456**20000630**AC
CUR*SE*USD
REF*PD*12345678
PER*BD*JIM BARKER
CSH*O
DTM*001*20010131
DTM*010*20001031
N1*BT*INDIGO BOOKS AND MUSIC*15*1436007
N1*ST**15*1186213
N1*VN**15*1234567
PO1*1*100*EA*8.00*NT* IB*1565922255*EN*9781565922259
CTP**SLP*10.00***DIS*.8
PID*F****TEST BOOK 1
PO1*2*500**16.00*NT*IB*9876543210
CTP**SLP*20.00***DIS*.8
PID*F****TEST BOOK 2
CTT*2*600
SE*19*0001
GE*1*1001
IEA*1*000000001