



**BOOKNET  
CANADA**

**Unified CBISAC Version  
EDI Purchase Order  
Acknowledgement  
855 – Version 004010**

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Version 1.1

Prepared by: BookNet Canada

Distribution: Industry-wide



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## Change Log

### **July 29, 2002:**

Appendix A code update

### **July 10, 2002:**

BAK03 value correction

### **May 13, 2002:**

contacts updated

### **May 15 2005 (Doug Minett):**

Made *EDI comments and notes* consistent with 850.

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.

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.

PO1: 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. Added note regarding change 855.

ACK: cosmetic cleanup. Note was added to describe item identifier options  
and provide warning regarding implementation. Additional note was added  
regarding change 855. Explicit support for ISBN-10, ISBN-13/EAN, EAN/UCC-  
14 (GTIN-14) alternate item ID added. New support for ship/availability date  
propose in ACK04/ACK05 (simpler and clearer than SCH method in  
complicated scenarios).



SCH: cosmetic cleanup. Added ship/delivery date qualifiers consistent with Indigo and others requirements detailed in the *BNC EDI Implementation Guidelines*.

CTT: cosmetic cleanup.

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

**May 31, 2005 (Doug Minett):**

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. Support added for line level PO # override (of default BAK PO#) for possible use in follow-up 855s.

ACK: Optional support for alternate substitute item ID of ISBN-10, ISBN-13/EAN, EAN/UCC-14 (GTIN-14), and UPC added. Changed note to indicate that Indigo would ignore (not prohibit) status changes in follow-up 855 at this time.

## **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 received in the purchase order and provide a *complete and detailed* line by line purchase order acknowledgement.

The CTP segment may be used to make price and discount changes and updates.

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(MANDATORY)**

**ISA Segment**

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. 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\*PR\* SND MB ID \*RCV MB ID\*20000831\*1055\*1001\*X\*004010

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. GS01	functional identifier code	2	'PR' purchase order ack
. 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\*855\*0001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. ST01	855	3	'855'
. ST02	ST control number	1/9	



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**(MANDATORY)**

**BAK Segment**

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

Example: BAK\*00\*AC\*123456\*20000630\*\*111111\*\*222222\*20011231

Note: Original and follow-up BAK01 and BAK02 values are different. Only changes to price and discount are allowed in a follow-up 855.

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. BAK01	transaction set purpose	2	'00' original '04' change (follow-up only)
. BAK02	acknowledgement type	2	'AC' complete ack 'AE' exception (follow-up only)
. BAK03	PO #	1/22	purchase order #
. BAK04	PO date	8	ccyymmdd format
. BAK05	not used		
. <b>BAK06</b>	<b>reference number</b>	<b>1/45</b>	
. BAK07	not used		
. <b>BAK08</b>	<b>reference ID</b>	<b>1/30</b>	
. BAK09	date of acknowledgment	8	acknowledgment date
. BAK10	not used.		

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**Purchase Order Acknowledgments**  
**(Mandatory)**

**CUR Segment**

Purpose: To indicate the currency used for the prices in the purchase order acknowledgment.

Example: CUR\*SE\*USD

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. <b>CUR01</b>	<b>SE</b>	<b>2</b>	<b>'BY'=Buyer 'SE'=Seller</b>
. <b>CUR02</b>	<b>currency</b>	<b>3</b>	<b>'CAD' C\$ 'USD' U\$</b>
. 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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**(MANDATORY)**

**N1 Segment (Bill To)**

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

Example: N1\*BT\* \*15\*1436007

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. 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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**(MANDATORY)**

**N1 Segment (Ship To)**

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

Example: N1\*ST\*\*15\*1234567

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	identifier code	2	'ST' ship to
. N102	not used		
. 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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**(MANDATORY)**

**N1 Segment (Vendor)**

Purpose: The N1 segment will identify the Vendor for the order. The location code will be vendors' SAN #.

Example: N1\*VN\*\*15\*1234567

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. 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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**(MANDATORY)**

**PO1 Segment**

Purpose: To specify original purchase order line item data. There will be one occurrence for each line item ordered. The PO1 segment should ideally be identical to the PO1 segment from the originating 850 purchase order

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.***

**PO# NOTE: In a follow-up 855, if the purchase order number for the item is different than the *default* purchase order specified in the document level BAK, it must be specified here.**

Element	Value	Length	Comment
. PO101	<i>Line Number</i>	1/20	<i>/</i>
. PO102	Quantity ordered	1/9	
. PO103	Unit of Measure	2	'UN' unit 'EA' each
. PO104	<i>Unit Price</i>	1/17	<i>optional</i>
. PO105	<i>Unit price qualifier</i>	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	<i>main ID #</i>
. PO108	<i>alt 1 ID qualifier</i>	2	<i>optional:</i> 'IB' ISBN-10 'EN' ISBN-13/EAN 'UK' EAN/UCC-14 'UP' UPC

<b>. PO109</b>	<b>alt 1 ID</b>	<b>1/40</b>	<b>'VN' Vendor</b>
<b>. PO110</b>	<b>alt 2 ID qualifier</b>	<b>2</b>	<b>'MG' Manufacture Code</b>
			<b>'PO' PO #</b>
			<b>alternate 1 ID #</b>
			<b>optional:</b>
			<b>'IB' ISBN-10</b>
			<b>'EN' ISBN-13/EAN</b>
			<b>'UK' EAN/UCC-14</b>
			<b>'UP' UPC</b>
			<b>'VN' Vendor</b>
			<b>'MG' Manufacture Code</b>
			<b>'PO' PO #</b>
<b>. PO111</b>	<b>alt 2 ID</b>	<b>1/40</b>	<b>alternate 2 ID #</b>
<b>. PO112</b>	<b>alt 3 ID qualifier</b>	<b>2</b>	<b>optional:</b>
			<b>'IB' ISBN-10</b>
			<b>'EN' ISBN-13/EAN</b>
			<b>'UK' EAN/UCC-14</b>
			<b>'UP' UPC</b>
			<b>'VN' Vendor</b>
			<b>'MG' Manufacture Code</b>
			<b>'PO' PO #</b>
<b>. PO113</b>	<b>alt 3 ID</b>	<b>1/40</b>	<b>alternate 3 ID #</b>
. 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)**

**CTP Segment**

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

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

Note: Changes to unit price and/or discount will be provided in this segment in change 855.

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



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**(OPTIONAL)**

**PID Segment**

*Purpose: To specify unstructured line item description.  
 1 occurrence for each line item.*

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

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

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(MANDATORY)**

**ACK Segment**

Purpose: To indicate the line item acknowledgement general status, quantity associated with status, ship date, possible change to ISBN, and detailed status.  
Example: ACK\*IA\*100\*EA\*\*\*\*AI\*1234567890\*\*\*\*\*BI\*\*BO

**Note: A substitute item identifier may be specified whether it is a substitute ISBN-10 or a substitute ISBN-13/EAN or a substitute EAN/UCC-14 (GTIN-14). More than one substitute 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 type is supported prior to implementation.***

**Note: (sum of) ACK02 quantity(ies) should equal PO102 quantity unless quantity rounding program exists between trading partners.**

**Note: As of this revision date Indigo Books & Music will ignore changes to ACK status between original and change 855.**

Element	Value	Length	Comment
. ACK01	basic line status	2	basic status only 'IA' item accepted 'IR' item rejected (ACK29 for detailed status)
. ACK02	quantity acknowledged	1/15	quantity for ACK29 status
. ACK03	unit of measure	2	'UN' unit 'EA' each
. ACK04	date qualifier	3	'067' current schedule delivery (Indigo) '068' current schedule ship ccyymmdd
. ACK05	date	8	
. ACK06	not used.		
. ACK07	substitute item ID qualifier 2		'AI' alt ISBN-10 'RR' alt ISBN-13/EAN 'SR' alt EAN/UCC-14
. ACK08	substitute item ID	1/40	substitute item ID #



<b>. ACK09</b>	<b>alt subst item ID qualifier</b>	<b>2</b>	<b>'AI' alt ISBN-10</b> <b>'RR' alt ISBN-13/EAN</b> <b>'SR' alt EAN/UCC-14</b>
<b>. ACK10</b>	<b>alt subst item ID</b>	<b>1/40</b>	<b>alt substitute item ID #</b>
. ACK11	not used.		
. ACK12	not used.		
. ACK13	not used.		
. ACK14	not used.		
. ACK15	not used.		
. ACK16	not used.		
. ACK17	not used.		
. ACK18	not used.		
. ACK19	not used.		
. ACK20	not used.		
. ACK21	not used.		
. ACK22	not used.		
. ACK23	not used.		
. ACK24	not used.		
. ACK25	not used.		
. ACK26	not used.		
<b>. ACK27</b>	<b>agency qualifier code</b>	<b>2</b>	<b>'BI' maintained by BISAC</b>
<b>. ACK28</b>	<b>agency sub-qualifier code</b>	<b>1/15</b>	<b>'ACK' BISAC list name</b>
<b>. ACK29</b>	<b>detailed status code</b>	<b>1/30</b>	<b>see CBISAC ACK code list</b>



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**(OPTIONAL)**

**SCH Segment**

Purpose: The SCH segment will specify shipment origin and scheduling.  
 Example: SCH\*100\*EA\*SF\*Western Dist Centre\*068\*20011231

Element	Value	Length	Comment
. SCH01	quantity	1/15	quantity
. SCH02	unit of measure	2	'UN' unit 'EA' each
. SCH03	<i>ship from ID qualifier code</i>	2	'SF' ship from
. SCH04	<i>ship from location name</i>	1/35	
. SCH05	delivery/ship qualifier	3	'067' current schedule delivery (Indigo) '068' current schedule ship
. SCH06	delivery/ship date	8	ccyyymmdd
. SCH07	not used		
. SCH08	not used		
. SCH09	not used		
. SCH10	not used		
. SCH11	not used		
. SCH12	not used		



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**CTT Segment**

Purpose: To provide totals.

Example: CTT\*3\*500

Element	Value	Length	Comment
. <b>CTT01</b>	<b># of line items</b>	<b>1/6</b>	<b># of PO1 segments</b>
. <b>CTT02</b>	<b>hash total</b>	<b>1/10</b>	<b>total of PO1 quantities</b>
. 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

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

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**GE Segment**

Example: GE\*4\*1001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. 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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. IEA01	number of envelopes	8	number of GS/GE pairs
. IEA02	IEA control number	9	must match ISA control number

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Purchase Order Acknowledgements****Sample Book Order Acknowledgement**

ISA\*00\* \*00\* \*ZZ\*SND MB ID \*ZZ\*RCV MB ID  
\*000831\*1055\*U\*00401\*000000001\*0\*P\*'  
GS\*PR\*SND MB ID\*RCV MB ID\*20000831\*1055\*1001\*X\*004010  
ST\*855\*0001  
BAK\*00\*AC\*123456\*20000630\*\*111111\*\*222222\*20011231  
CUR\*SE\*USD  
N1\*BT\*INDIGO BOOKS AND MUSIC\*15\*1436007  
N1\*ST\*\*15\*1234568  
N1\*VN\*\*15\*1234567  
PO1\*1\*100\*EA\*8.00\*NT\*IB\*1020304050  
CTP\*\*SLP\*10.00\*\*\*DIS\*.8  
PID\*F\*\*\*\*BOOK OF THE MONTH  
ACK\*IA\*100\*EA\*\*\*\*AI\*1234567890\*\*\*\*\*BI\*ACK\*BO  
SCH\*100\*EA\*SF\*WESTERN WAREHOUSE\*067\*20050505  
PO1\*2\*500\*EA\*16.00\*NT\* IB\*1565922255\*EN\*9781565922259  
CTP\*\*SLP\*20.00\*\*\*DIS\*.8  
PID\*F\*\*\*\*BOOK OF THE WEEK  
ACK\*IA\*100\*EA\*\*\*\*\*BI\*ACK\*AC  
ACK\*IA\*400\*EA\*\*\*\*\*BI\*ACK\*BO  
SCH\*100\*EA\*SF\*WESTERN WAREHOUSE\*067\*20050505  
SCH\*400\*EA\*SF\*WESTERN WAREHOUSE\*067\*20050605  
CTT\*2\*600  
SE\*20\*0001  
GE\*1\*1001  
IEA\*1\*000000001

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**Appendix A (ACK29 Acknowledgement Codes)**