

# **Industry Cross Docking Specification EDI Purchase Order Acknowledgements 855 - Version 004010**

**Revision date: April 13, 2005**

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**Purchase Order Acknowledgements**

**(MANDATORY)**

**ISA Segment**

Example: ISA\*00\*            \*00\*ISA ID        \*ZZ\*        \*ZZ\*1436007  
\*000831\*1055\*U\*00200\*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	'ZZ'	2	'ZZ' qualifier
. ISA06	sender ID	15	
. ISA07	ZZ	2	'ZZ' qualifier
. ISA08	receiver ID	15	
. ISA09	date	6	yymmdd
. ISA10	time	4	hhmm
. ISA11	U	1	'U' ISA standard ID
. ISA12	00200	5	'00200' ISA version ID
. ISA13	ISA control number	9	
. ISA14	0	1	'0'
. ISA15	P	1	'P' for production 'T' for test
. ISA16	'	1	"" sub element separator

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**(MANDATORY)**

**GS Segment**

Example: GS\*PR\* GS ID \*1436007\*20000831\*1055\*1001\*X\*004010

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. GS01	PR	2	'PR'
. GS02	sender ID	2/15	
. GS03	receiver ID	2/15	
. GS04	date	8	ccyyymmdd
. 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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**(MANDATORY)**

**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. *Exception acknowledgments are to be used for follow-up purposes only (see BAK01 and BAK02).*

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

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

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*(OPTIONAL)*

**CUR Segment**

*Purpose: To indicate the currency used for the prices in the order. Only used if currency is not Canadian.*

*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>	
. 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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**Purchase Order Acknowledgements**

**(MANDATORY)**

**N1 Segment (Bill To)**

Purpose: The N1 segment will identify the Bill-To location for the order. The location code will be Chapters' SAN #.

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	BT	2/3	'BT' bill to
. N102		1/60	optional
. N103	15	1/2	'15' SAN #
. N104	location code	2/80	7 Digits 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	VN	2/3	'VN' vendor
. N102	not used		
. N103	15	1/2	'15' SAN #
. N104	location code	2/80	7 Digits SAN#
. N105	not used		
. N106	not used		

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**Purchase Orders**

**(MANDATORY)**

**N1 Segment (Ship To)**

Purpose: The N1 segment will identify the Ship To Location for the order. The location code will be location's SAN #.

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	<b>ST</b>	<b>2/3</b>	<b>'ST' ship to</b>
. N102	not used		
. N103	<b>15</b>	<b>1/2</b>	<b>'15' SAN #</b>
. N104	<b>location code</b>	<b>2/80</b>	<b>7 Digits SAN#</b>
. N105	not used		
. N106	not used		

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**Purchase Orders**

**(MANDATORY)**

**N1 Segment (Final Destination)**

Purpose: The N1 segment will identify the Final Destination Location for the order. The location code will be location's SAN #.

Example: N1\*FS\*\*15\*1234568

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	<b>FS</b>	<b>2/3</b>	<b>'FS' Final Destination</b>
. N102	not used		
. N103	<b>15</b>	<b>1/2</b>	<b>'15' SAN #</b>
. N104	<b>location code</b>	<b>2/80</b>	<b>7 Digits SAN#</b>
. N105	not used		
. N106	not used		

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### Purchase Order Acknowledgements

(MANDATORY)

#### PO1 Segment

Purpose: To specify original purchase order line item data. There will be one occurrence for each line item ordered. *PO# may be sent in follow-up acknowledgements only involving more than one PO#.*

Example: PO1\*1\*100\*EA\*10.00\*SR\*IB\*1020304050

Element	Value	Length	Comment
. PO101	<i>Line Number</i>	<i>1/20</i>	<i>optional</i>
. PO102	<i>Quantity</i>	<i>1/15</i>	
. PO103	<i>Unit of Measure</i>	<i>2</i>	<i>unit of measure of the quantity</i>
. PO104	<i>Unit Price</i>	<i>1/17</i>	<i>optional</i>
. PO105	<i>SR</i>	<i>2</i>	<i>'SR'=suggested list unit of measure on which the unit price is based</i>
. PO106	<i>IB/EN</i>	<i>2</i>	<i>'IB' ISBN # optional 'EN' EAN # optional</i>
. PO107	<i>ISBN #</i>	<i>1/48</i>	<i>optional</i>
. PO108	<i>UP</i>	<i>2</i>	<i>'UP' UPC # optional</i>
. PO109	<i>UPC #</i>	<i>1/48</i>	<i>optional</i>
. PO110	<i>PO</i>	<i>2</i>	<i>'PO' PO # conditional</i>
. PO111	<i>Purchase order #</i>	<i>1/48</i>	<i>conditional</i>
. PO112	not used		<i>either an ISBN # or EAN</i>
. PO113	not used		<i>or UPC # is mandatory, but</i>
. PO114	not used		<i>only one will be used</i>
. 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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### Purchase Order Acknowledgements

(MANDATORY)

#### CTP Segment

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

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

Element	Value	Length	Comment
. CTP01	not used		
. <b>CTP02</b>	<b>SLP</b>	<b>3</b>	<b>'SLP' Suggested List Price unit price</b>
. <b>CTP03</b>	<b>12.95</b>	<b>1/17</b>	
. CTP04	not used		
. CTP05	not used		
. <b>CTP06</b>	<b>DIS</b>	<b>3</b>	<b>'DIS' Discount Multiplier multiplier indicates 20% discount .6 would indicate 40% discount</b>
. <b>CTP07</b>	<b>.8</b>	<b>1/10</b>	
. CTP08	not used		
. CTP09	not used		
. CTP10	not used		
. CTP11	not used		

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**Purchase Order Acknowledgements**

(MANDATORY)

**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*

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

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**Purchase Order Acknowledgements**  
**(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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. ACK01	IA	2	<i>basic</i> ack status only 'IA'=item accepted 'IR'=item rejected – see ACK29 for detailed status referring to ack status
. ACK02	quantity	1/15	
. ACK03	unit of measure	2	unit of measure of quantity
. ACK04	not used		
. ACK05	not used		
. ACK06	not used.		
. ACK07	AI	2	'AI'=alternate ISBN optional specifying of replacement ISBN replacement ISBN
. ACK08	1234567890	1/48	
. ACK09	not used.		
. ACK10	not used.		
. 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.		

. ACK27	BI	2	'BI'=maintained by BISAC
. ACK28	ACK	1/15	'ACK'=BISAC code list
name			
. ACK29	OP	1/30	support for: AC, BA, BO, BP, BR, CA, CB, CE, CG, CO, CX, KC, OP (see Appendix A for meaning)



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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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. SCH01	100	1/15	quantity
. SCH02	EA	2	unit of measure of quantity
. SCH03	SF	2/3	'SF'=ship from
. SCH04	Western Dist Centre	1/60	ship from location
. SCH05	068	3	'068'=current schedule ship
. SCH06	20011231	8	scheduled ship date
. SCH07	not used		
. SCH08	not used		
. SCH09	not used		
. SCH10	not used		
. SCH11	not used		
. SCH12	not used		

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**(MANDATORY)**

**CTT Segment**

Purpose: To provide totals.

Example: CTT\*3\*500

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. CTT01	# of PO1 segments	1/6	
. CTT02	hash total	1/10	required total <i>number of PO1 quantities</i>
. CTT03	not used		
. CTT04	not used		
. CTT05	not used		
. CTT06	not used		
. CTT07	not used		

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**Purchase Order Acknowledgements**  
**(MANDATORY)**

**SE Segment**

Example: SE\*17\*0001

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

**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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**Purchase Order Acknowledgements  
(MANDATORY)**

**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\*1436007       \*ZZ\*ISA ID  
\*000831\*1055\*U\*00200\*000000001\*0\*P\*'  
GS\*PO\*1436007\*GS 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\*VN\*\*15\*1234567  
N1\*ST\*\*15\*1234568  
PO1\*1\*100\*EA\*10.00\*SR\*IB\*1020304050  
CTP\*\*SLP\*10.00\*\*\*DIS\*.8  
PID\*F\*\*\*\*BOOK OF THE MONTH  
ACK\*IA\*100\*EA\*\*\*\*AI\*1234567890\*\*\*\*\*BI\*ACK\*BO  
PO1\*2\*500\*EA\*4.95\*SR\*IB\*9876543210  
CTP\*\*SLP\*4.95\*\*\*DIS\*.8  
PID\*F\*\*\*\*BOOK OF THE WEEK  
ACK\*IA\*500\*EA\*\*\*\*AI\*1234567890\*\*\*\*\*BI\*ACK\*BO  
CTT\*2\*600  
SE\*16\*0001  
GE\*1\*1001  
IEA\*1\*000000001

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### Purchase Order Acknowledgements

### Appendix A (ACK29 Acknowledgement Codes)

Supported BISAC Industry Codes for Element 1271 in ACK29

Note: New ISBN will be indicated in ACK07/08 whether shipping, backordered, or cancelled

Revised Date: 29 July 2002

Meaning	Code	Note
<i>Shipping immediately</i>		
Item accepted and shipping	<b>AC</b>	
<i>Backordered</i>		
Backordered: Not yet printed	<b>BA</b>	
Backordered: Reprint under consideration	<b>BB</b>	<i>Out of stock indefinitely</i>
Backordered: Credit hold	<b>BH</b>	<i>stock reserved till cancel date?</i>
Backordered: Out of stock	<b>BO</b>	
Backordered: Partial shipment	<b>BP</b>	should use 2 ACK's, one for AC, one for BP - watch quantity
Backordered: Reprinting	<b>BR</b>	<i>not Out of stock indefinitely</i>
<i>Cancelled</i>		
Cancelled: Not yet printed	<b>CA</b>	
Cancelled: Not out publication	<b>CB</b>	unknown ISBN
Cancelled: Partial shipment	<b>CE</b>	should use 2 ACK's, one for AC, one for CE - watch quantity
Cancelled: No geographical rights	<b>CG</b>	no Canadian Rights
Cancelled: Out of stock	<b>CO</b>	
Cancelled: Below order minimum	<b>CQ</b>	value or quantity
Cancelled: Reprinting	<b>CR</b>	<i>not Out of stock indefinitely</i>
Cancelled: Publication cancelled	<b>CX</b>	
Cancelled: Item rejected (credit hold)	<b>IR</b>	special CBISAC meaning?
Cancelled: Reprint under consideration	<b>KC</b>	<i>Out of stock indefinitely</i>
Cancelled: Market type restriction	<b>KM</b>	school vs professional vs retail etc
Cancelled: Out of print	<b>OP</b>	