

**Industry Cross Docking Specification  
EDI Invoice  
810 - Version 004010**

**Revision date: April 13, 2005**

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**Invoice**

**(MANDATORY)**

**ISA Segment**

Example: ISA\*00\*            \*00\*            \*ZZ\*ISA ID            \*ZZ\*1436007  
\*000930\*1105\*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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**Invoice**

**(MANDATORY)**

**GS Segment**

Example: GS\*IN\*GS ID\*1436007\*20000930\*1105\*1001\*X\*004010

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. GS01	IN	2	'IN'
. 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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**Invoice**

**(MANDATORY)**

**ST Segment**

Example: ST\*810\*0001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. ST01	810	3	'810'
. ST02	ST control number	1/9	

**857 - Version 4010**

**Invoice**

**(MANDATORY)**

**BIG Segment**

Purpose: To indicate the beginning of the invoice and transmit invoice number and *default* purchase order. It can be overridden at the line detail level (see IT1 at *item level*).

Example: BIG\*20000930\*1234567\*\*1105

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. <b>BIG01</b>	<b>invoice date</b>	<b>8</b>	<b>ccyymmdd format</b>
. <b>BIG02</b>	<b>invoice number</b>	<b>1/22</b>	
. BIG03	not used		
. <b>BIG04</b>	<b>purchase order #</b>	<b>1/22</b>	<b>default PO #</b>
. BIG05	not used		
. BIG06	not used		
. BIG07	not used		
. BIG08	not used		
. BIG09	not used		
. BIG10	not used		

## 810 - Version 4010

### Invoice

(MANDATORY)

### CUR Segment

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

Example: CUR\*SE\*USD

Element	Value	Length	Comment
. CUR01	SE	2	'BY'=Buyer 'SE'=Seller
. CUR02	currency	3	
. 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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**Invoice**

*(OPTIONAL)*

**REF Segment (Packing Slip ID)**

*Purpose: This REF segment is used to indicate the packing list of the shipment.*

*Example: REF\*PK\*12345678*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<b>. REF01</b>	<b>PK</b>	<b>2</b>	<b>'PK' packing slip #</b>
<b>. REF02</b>	<b>packing slip #</b>	<b>1/30</b>	
<b>. REF03</b>	<i>not used</i>		
<b>. REF04</b>	<i>not used</i>		
<b>. REF05</b>	<i>not used</i>		
<b>. REF06</b>	<i>not used</i>		

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**Invoice**

*(OPTIONAL)*

**REF Segment (Billing Account Number)**

*Purpose: This REF segment is used to indicate the account number under which the invoice is rendered.*

*Example: REF\*12\*12345678*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<i>. REF01</i>	<i>12</i>	<i>2</i>	<i>'12' account #</i>
<i>. REF02</i>	<i>account #</i>	<i>1/30</i>	
<i>. REF03</i>	<i>not used</i>		
<i>. REF04</i>	<i>not used</i>		
<i>. REF05</i>	<i>not used</i>		
<i>. REF06</i>	<i>not used</i>		

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**Invoice**

*(OPTIONAL)*

**REF Segment (Bill of Lading Number)**

*Purpose: This REF segment is used to indicate the bill of lading number of the shipment.*

*Example: REF\*BM\*12345678*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<i>. REF01</i>	<i>BM</i>	<i>2</i>	<i>'BM' bill of lading number</i>
<i>. REF02</i>	<i>bill of lading #</i>	<i>1/30</i>	
<i>. REF03</i>	<i>not used</i>		
<i>. REF04</i>	<i>not used</i>		
<i>. REF05</i>	<i>not used</i>		
<i>. REF06</i>	<i>not used</i>		

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**Invoice**

**(MANDATORY)**

**N1 Segment (Bill To)**

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

Example: N1\*BT\*PURCHASER NAME\* 15\*1234567

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	<b>BT</b>	<b>2/3</b>	<b>'BT' = Bill-To</b>
. N102	<i>bill to name</i>	<i>1/60</i>	
. N103	<b>15</b>	<b>1/2</b>	<b>15</b>
. N104	<b>bill to SAN #</b>	<b>2/80</b>	<b>7 Digits SAN#</b>
. N105	not used		
. N106	not used		

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**Invoice**

**(MANDATORY)**

**N1 Segment (Ship To)**

Purpose: The N1 segment will identify the Ship-To location for the shipment. The location code will be Chapters' store # or a SAN number.

Example: N1\*ST\*\*15\*1114445

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	<b>ST</b>	<b>2</b>	<b>'ST' ship to</b>
. N102	not used		
. N103	<b>15</b>	<b>1/2</b>	<b>'15' = SAN number</b>
. N104	<b>SAN #</b>	<b>2/20</b>	<b>7 Digits SAN#</b>
. N105	not used		
. N106	not used		

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**Invoice**

**(MANDATORY)**

**N1 Segment (Vendor)**

Purpose: The N1 segment will identify the vendor for the invoice.

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	VN	2/3	'VN' = vendor
. N102	<i>vendor name</i>	1/60	
. N103	15	1/2	15
. N104	<b>vendor SAN #</b>	2/80	<b>7 Digits SAN#</b>
. N105	not used		
. N106	not used		

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**Invoice**

**(MANDATORY)**

**N1 Segment (Final Destination)**

Purpose: The N1 segment will identify the Final Destination location for the shipment. The location code will be Chapters' store # or a SAN number.

Example: N1\*FS\*\*15\*1234567

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. N101	<b>FS</b>	<b>2</b>	<b>'FS' Final Destination</b>
. N102	not used		
. N103	<b>15</b>	<b>1/2</b>	<b>'15' = SAN number</b>
. N104	<b>SAN</b>	<b>2/20</b>	<b>7 Digits SAN#</b>
. N105	not used		
. N106	not used		

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**Invoice**

*(OPTIONAL)*

**ITD Segment**

*Purpose: To indicate the terms of sale for the shipment.*

*Example: ITD\*01\*3\*\*\*\*\*30*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<b>. ITD01</b>	<b>01</b>	<b>2</b>	<b>'01' = basic</b>
<b>. ITD02</b>	<b>3</b>	<b>1/2</b>	<b>'03' = invoice date</b>
<b>. ITD03</b>	<i>not used</i>		
<b>. ITD04</b>	<i>not used</i>		
<b>. ITD05</b>	<i>not used</i>		
<b>. ITD06</b>	<i>not used</i>		
<b>. ITD07</b>	<b>terms net days</b>	<b>1/3</b>	<b>days from invoice date</b>
<b>. ITD08</b>	<i>not used</i>		
<b>. ITD09</b>	<i>not used.</i>		
<b>. ITD10</b>	<i>not used.</i>		
<b>. ITD11</b>	<i>not used.</i>		
<b>. ITD12</b>	<i>not used.</i>		
<b>. ITD13</b>	<i>not used</i>		
<b>. ITD14</b>	<i>not used</i>		
<b>. ITD15</b>	<i>not used.</i>		



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**Invoice**

*(OPTIONAL)*

**DTM Segment**

*Purpose: To indicate the ship date of the shipment covered by this invoice.*

*Example: DTM\*011\*20000930*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<i>. DTM01</i>	<i>011</i>	<i>3</i>	<i>'011' shipped date</i>
<i>. DTM02</i>	<i>shipped date</i>	<i>8</i>	<i>ccyymmdd format</i>
<i>. DTM03</i>	<i>not used</i>		
<i>. DTM04</i>	<i>not used</i>		
<i>. DTM05</i>	<i>not used</i>		
<i>. DTM06</i>	<i>not used</i>		

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**Invoice**

**(MANDATORY)**

**IT1 Segment**

Purpose: To specify the identifying code of the item (either a UPC # or ISBN #). 1 occurrence for each line item. If the purchase order number for the item is different than the *default* purchase order number specified in the *invoice level* BIG, it *must* be specified here.

Example: IT1\*1\*25\*EA\*10.36\*NT\*IB\*1020304050\*PO\*12345B

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. IT101	<i>Line Number</i>	1/20	
. IT102	quantity	1/10	
. IT103	unit of measure	2	
. IT104	<i>unit price</i>	1/17	<i>unit price</i>
. IT105	NT	2	'NT' Net Price
. IT106	IB or UP or EN	2	'IB' ISBN # or 'EN' EAN # or 'UP' UPC #
. IT107	UPC # or ISBN # or EAN #	1/48	
. IT108	PO	2	
. IT109	<i>purchase order #</i>	1/48	'PO' = override PO #
. IT110	not used		
. IT111	not used		
. IT112	not used		
. IT113	not used		
. IT114	not used		
. IT115	not used		
. IT116	not used		
. IT117	not used		
. IT118	not used		
. IT119	not used		
. IT120	not used		
. IT121	not used		
. IT122	not used		
. IT123	not used		
. IT124	not used		
. IT125	not used		

## 810 - Version 4010

### Invoice

(MANDATORY)

### CTP Segment

Purpose: The CTP segment will specify invoice 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>unit price</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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**Invoice**

**(OPTIONAL)**

**PID Segment**

Purpose: To specify unstructured line item description.

1 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>
. 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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**Invoice**

**(MANDATORY)**

**TDS Segment**

Purpose: To indicate the invoice total amount. Do NOT use decimal. Example amount would indicate 2099.31.

Example: TDS\*209931

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. TDS01	invoice total	1/15	decimal implied <i>only</i>
. TDS02	not used		
. TDS03	not used		
. TDS04	not used		

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**Invoice**

**(REQUIRED)**

**TXI Segment**

Purpose: To indicate the total invoice amount of GST or HST.

Example: TXI\*GS\*140.45

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. TXI01	<b>GS</b>	<b>2</b>	<b>'GS' = GST/HST</b>
. TXI02	<b>total GST amount</b>	<b>1/15</b>	<b>decimal is required</b>
. TXI03	not used		
. TXI04	not used		
. TXI05	not used		
. TXI06	not used		
. TXI07	not used		
. TXI08	not used		
. TXI09	not used		
. TXI10	not used		

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**Invoice**

**(REQUIRED)**

**TXI Segment**

Purpose: To indicate the total invoice amount of PST.

Example: TXI\*SP\*120.44

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. TXI01	SP	2	'SP' = State/Prov Tax
. TXI02	total PST amount	1/15	decimal is required
. TXI03	not used		
. TXI04	not used		
. TXI05	not used		
. TXI06	not used		
. TXI07	not used		
. TXI08	not used		
. TXI09	not used		
. TXI10	not used		

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**Invoice**

**(OPTIONAL)**

**CAD Segment**

Purpose: The CAD segment is used to identify the carrier of the shipment.

Example: CAD\*M\*\*\*\*TRUCKING COMPANY

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. CAD01	type of carrier code	1/2	'M' motor common carrier 'A' air
. CAD02	not used		
. CAD03	not used		
. CAD04	not used		
. CAD05	carrier name	1/35	
. CAD06	not used		
. CAD07	not used		
. CAD08	not used		
. CAD09	not used		



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**Invoice**

**(OPTIONAL)**

**SAC Segment**

Purpose: To indicate an invoice shipping amount. Do NOT use decimal. Example amount would indicate 30.99.

Example: SAC\*C\*G830\*\*\*3099\*\*\*\*\*06

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. SAC01	<b>C</b>	<b>1</b>	<b>'C' = charge</b>
. SAC02	<b>G830</b>	<b>4</b>	<b>'G830' = shipping &amp; handling</b>
. SAC03	not used		
. SAC04	not used		
. SAC05	<b>shipping total amount</b>	<b>1/15</b>	<b>decimal implied only</b>
. SAC06	not used		
. SAC07	not used		
. SAC08	not used		
. SAC09	not used.		
. SAC10	not used.		
. SAC11	not used.		
. SAC12	<b>06</b>	<b>2</b>	<b>'06' = paid by customer</b>
. SAC13	not used		
. SAC14	not used		
. SAC15	not used.		

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**Invoice**

**(OPTIONAL)**

**ISS Segment**

Purpose: The ISS segment is used to specify transportation details of the shipment relative to commodity, quantity, and weight.

Example: ISS\*5\*CT\*\*\*\*KG\*\*50

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. ISS01	quantity	1/10	quantity
. ISS02	quantity qualifier	2	quantity qualifier 'CT' carton 'PL' pallet
. ISS03	weight	1/10	weight
. ISS04	weight qualifier	2	weight qualifier 'KG' kilograms 'LB' pounds
. ISS05	not used		
. ISS06	not used		
. ISS07	not used		
. ISS08	not used		

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**Invoice**

**(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 IT1 segments	1/6	
. CTT02	hash total	1/10	
. CTT03	not used		
. CTT04	not used		
. CTT05	not used		
. CTT06	not used		
. CTT07	not used		

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**Invoice**

**(MANDATORY)**

**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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**Invoice**

**(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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**Invoice**

**(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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Invoice

Sample Book Invoice

ISA\*00\* \*00\* \*ZZ\*ISA ID \*ZZ\*1436007  
\*000930\*1105\*U\*00200\*000000001\*0\*P\*'  
GS\*IN\*GS ID\*1436007\*20000930\*1105\*1001\*X\*004010  
ST\*810\*0001  
BIG\*20000930\*1234567\*\*1105  
CUR\*SE\*USD  
*REF\*PK\*12345678*  
*REF\*BM\*12345678*  
N1\*BT\*PURCHASER NAME\* 15\*1234567  
N1\*ST\*\*15\*1115554  
N1\*VN\*VENDOR NAME\* 15\*1234567  
N1\*ST\*\*15\*1234567  
*ITD\*01\*3\*\*\*\*\*30*  
*DTM\*011\*20000930*  
IT1\*1\*25\*EA\*10.36\*NT\*IB\*1020304050\*PO\*12345B  
CTP\*\*SLP\*12.95\*\*\*DIS\*.8  
*PID\*F\*\*\*\*BOOK OF THE MONTH*  
TDS\*209931  
TXI\*GS\*140.45  
TXI\*SP\*120.44  
SAC\*C\*G830\*\*\*3099\*\*\*\*\*06  
CTT\*1\*25  
SE\*38\*0001  
GE\*1\*1001  
IEA\*1\*000000001