

**Industry Cross Docking Specification  
EDI Purchase Orders  
850 - Version 004010**

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**Purchase Orders**

**(MANDATORY)**

**ISA Segment**

Example: ISA\*00\*            \*00\*            \*ZZ\*1436007            \*ZZ\*ISA ID  
\*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	Sender Qualifier	2	See "Request for Partner Setup"
. ISA06	Sender ID	15	See "Request for Partner Setup"
. ISA07	Receiver Qualifier	2	See "Request for Partner Setup"
. ISA08	Receiver ID	15	See "Request for Partner Setup"
. 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' test for DEV / STAGE
. ISA16	'	1	'"' sub element separator

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**Purchase Orders**

**(MANDATORY)**

**GS Segment**

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. GS01	PO	2	'PO'
. GS02	sender ID	2/15	See "Request for Partner Setup"
. GS03	receiver ID	2/15	See "Request for Partner Setup"
. 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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**Purchase Orders**

**(MANDATORY)**

**ST Segment**

Example: ST\*850\*0001

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

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**Purchase Orders**

**(MANDATORY)**

**BEG Segment**

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

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. BEG01	00	2	'00' original
. BEG02	SA	2	'SA' stand alone
. BEG03	PO #	1/22	
. BEG04	not used		
. BEG05	order-date	8	ccyymmdd format
. BEG06	not used		
. BEG07	AC	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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*(OPTIONAL)*

**PER Segment**

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

*Example: PER\*BD\*JIM BARKER*

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. PER01	BD	2	'BD' buyer name
. PER02	buyer's name	1/60	
. 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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**Purchase Orders**

**(MANDATORY)**

**CSH Segment**

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

Example: CSH\*O

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
<b>. CSH01</b>	<b>O</b>	<b>1/2</b>	<b>'O' Backorder if OS or NYP 'B' Backorder if NYP 'Y' Backorder if OS 'N' No Backorders</b>
. 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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**Purchase Orders**

**(REQUIRED)**

**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*

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

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**Purchase Orders**

**(REQUIRED)**

**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*

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

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**(MANDATORY)**

**N1 Segment (Bill To)**

Purpose: The N1 segment will identify the Bill-To location for the order. The location code will be 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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**Purchase Orders**

**(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	<b>VN</b>	<b>2/3</b>	<b>'VN' vendor</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 (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	ST	2/3	'ST' ship to
. 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 (Final Destination)**

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

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

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. <b>N101</b>	<b>FS</b>	<b>2/3</b>	<b>'FS' Final Destination</b>
. N102	not used		
. <b>N103</b>	<b>15</b>	<b>1/2</b>	<b>'15' SAN #</b>
. <b>N104</b>	<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)**

**PO1 Segment**

Purpose: To specify basic and most frequently used purchase order line item data. 1 occurrence for each line item.

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

**NOTE: either an ISBN # or EAN # or UPC # is mandatory, but only one will be used**

Element	Value	Length	Comment
. PO101	Line Number	1/20	
. PO102	Quantity	1/15	
. PO103	<i>Unit of Measure</i>	2	<i>unit of measure of the quantity</i>
. PO104	<i>Unit Price</i>	1/17	<i>optional</i>
. PO105	SR	2	<i>'SR'=suggested list unit of measure on which the unit price is based</i>
. PO106	IB/EN	2	<i>'IB' ISBN # book required</i> <i>'EN' EAN # optional</i>
. PO107	ISBN #/EAN #	1/48	<i>book required/optional</i>
. PO108	UP	2	<i>UPC # non-book required</i>
. PO109	UPC #	1/48	<i>non-book required</i>
. PO110	VN/MG	2	<i>'VN' Vendor # optional</i> <i>'MG' Manufacture Code optional</i>
. PO111	Code#	1/48	
. 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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**Purchase Orders**

**(REQUIRED)**

**CTP Segment**

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

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

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

**IEA Segment**

Example: IEA\*1\*000000001

<b>Element</b>	<b>Value</b>	<b>Length</b>	<b>Comment</b>
. 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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**Purchase Orders**

**Sample Book Order**

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\*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\*VN\*\*15\*1234567  
N1\*ST\*\*15\*1234568  
N1\*FS\*\*15\*1234566  
PO1\*1\*100\*EA\*10.00\* SR\*IB\*1020304050  
PID\*F\*\*\*\*TEST BOOK 1  
PO1\*2\*500\*\*4.95\*\*IB\*9876543210  
PID\*F\*\*\*\*TEST BOOK 2  
CTT\*2\*600  
SE\*17\*0001  
GE\*1\*1001  
IEA\*1\*000000001