FRY'S ELECTRONICS

EDI GUIDELINES

PURCHASE ORDER 850

VERSION 4010

FRY'S ELECTRONICS 850 GUIDELINES

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	

Header

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ST	Transaction Set Header	M	1	
BEG	Beginning Segment (Purchase Order)	M	1	
REF	Reference Numbers	O	>1	
DTM	Date/Time Reference	O	10	
	Loop ID –N1			200
N1	Name	O	1	

Detail

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
	Loop ID – PO1			100000
PO1	Purchase Order Base Line Item Data	M	1	

Summary

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

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GLOSSARY OF TERMS

Segment: Consists of a segment identifier, one or more data element each preceded by an element separator, and ending with a terminator (X12.6).

Seg. Use: Denotes if the segment is mandatory or optional.

Reference Des.: Identifies the segment and the data element sequence number.

Data Element Number: This is the number assigned to the data element. This number may be used for direct reference into the ANSI X12 Data Dictionary.

Data Element Name: This is the description assigned to the data element.

Element Usage:
M - Mandatory	This element is required.	
O - Optional	This element can be used.	
C - Conditional	The data element can be used only if other elements are used within the segment.	

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Segment: **ISA - Interchange Control Header**
Level: **Envelope**
Customer Usage: **Mandatory**
Purpose: To start and identify a transmission for a partner.

Ref. Des.	Data Element	Name	Element Usage
ISA01	**101**	**Authorization Information Qualifier** **"00" -** No authorization information present.	**M**
ISA02	**102**	**Authorization Information** This field will be blank.	**M**
ISA03	**103**	**Security Information Qualifier** **"00" -** No security information present.	**M**
ISA04	**104**	**Security Information** This field will be blank.	**M**
ISA05	**105**	**Interchange ID Qualifier** Your company's Qualifier code	**M**
ISA06	**106**	**Interchange Sender ID** Your company's ID number	**M**
ISA07	**105**	**Interchange ID Qualifier** Receiving company's Qualifier code	**M**
ISA08	**107**	**Interchange Receiver ID** Receiving company's Receiver code	**M**
ISA09	**108**	**Date** The format is **"YYMMDD".**	**M**

FRY'S ELECTRONICS 850 GUIDELINES

Segment:	**ISA - Interchange Control Header (Continued)**	
Level:	**Envelope**	
Customer Usage:	**Mandatory**	
Purpose:	To start and identify a transmission for a partner.	

Ref. Des.	Data Element	Name	Element Usage
ISA10	**109**	**Time** The time that the interchange was created in Customer's system. The format is **HHMM (24 Hr.)**	**M**
ISA11	**110**	**Interchange Standards Identifier** "U" - U.S. EDI community of X12	**M**
ISA12	**111**	**Interchange Version ID** "00401" - Version 4010	**M**
ISA13	**112**	**Interchange Control Number** This value is sequentially assigned by customer starting with the number "1" for each trading partner. The value entered in this field will match the value in the Interchange Control Number field on the Interchange Control Trailer (IEA02).	**M**
ISA14	**113**	**Acknowledgment Requested** "1" - Acknowledgment requested.	**M**
ISA15	**114**	**Test Indicator** "T" - Test Data "P" - Production Data	**M**
ISA16	**115**	**Subelement Separator** "›" - The value identified for retail use.	**M**

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Segment: **GS - Functional Group Header**
Level: **Group**
Customer Usage: **Mandatory**
Purpose: Indicates the beginning of a functional group and provides control information.

Ref. Des.	Data Element	Name	Element Usage
GS01	**479**	**Functional ID** "**PO**" - Purchase Order (850)	**M**
GS02	**142**	**Application Sender's Code** This is the same code as used in the (ISA06).	**M**
GS03	**124**	**Application Receiver's Code** For Customer's trading partner, the number is usually the same code used in the (ISA08).	**M**
GS04	**373**	**Data Interchange Date** The format is "**CCYYMMDD**".	**M**
GS05	**337**	**Data Interchange Time** The time that the interchange was created in customer's system. The format is **HHMM (24 Hr.)**	**M**
GS06	**28**	**Data Interchange Control Number** This value is sequentially assigned by customer starting with the number "1" for each trading partner. The value entered in this field will match the one in the Functional Group Trailer (GE02).	**M**
GS07	**455**	**Responsible Agency Code** "**X**" - Accredited standards committee X12.	**M**
GS08	**480**	**Version** "**004010**"	**M**

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Segment: **ST - Transaction Set Header**
Level: **Header**
Customer Usage: **Mandatory**
Purpose: To indicate the start of a transaction set and to assign a control number.

Ref. Des.	Data Element	Name	Element Usage
ST01	**143**	**Transaction Set Identifier Code** **"850"** - This is the code that identifies the transaction as a purchase order.	**M**
ST02	**329**	**Transaction Set Control Number** This value is sequentially assigned by customer starting with the number "1" for each trading partner. The value entered in this field will match the one in the Transaction Set Trailer Record (SE02).	**M**

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Segment:	**BEG - Beginning Segment for Purchase Order**		
Level:	**Header**		
Customer Usage:	**Mandatory**		
Purpose:	To indicate the beginning of the purchase order transaction set.		

Ref. Des.	Data Element	Name	Element Usage
BEG01	**353**	**Transaction Set Purpose Code** **"00"** - Original order	**M**
BEG02	**92**	**Purchase Order Type Code** **"NE"** – New Order	**M**
BEG03	**324**	**Purchase Order Number** This field contains customer's P.O. number.	**M**
BEG05	**373**	**Purchase Order Date** The format is **"CCYYMMDD".**	**M**

FRY'S ELECTRONICS 850 GUIDELINES

Segment: **REF - Reference Numbers**
Level: **Header**
Customer Usage: **Optional**
Purpose: To transmit trading partner's internal vendor#.

Ref. Des.	Data Element	Name	Element Usage
REF01	**128**	**Reference Number Qualifier** **"IA"**	**M**
REF02	**127**	**Reference Number** This is trading partner's internal vendor#.	**M**

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Segment:	**DTM - Date/Time References**		
Level:	**Header**		
Customer Usage:	**Optional**		
Purpose:	To specify ship dates.		

Ref. Des.	Data Element	Name	Element Usage
DTM01	**374**	**Date/Time Qualifier** **"064" Not Delivery Before** This is the first date shipment may arrive. **"010" Requested Shipping Date** This is the date and after Shipping should occur. "**001" Cancel After** This is the last date Shipping may occur.	**M**
DTM02	**373**	**Date** Format is **CCYYMMDD**	**M**

FRY'S ELECTRONICS 850 GUIDELINES

Segment: **N1 - Name**
Level: **Header**
Customer Usage: **Mandatory**
Purpose: To identify the ship and bill to locations for the purchase order.

Ref. Des.	Data Element	Name	Element Usage
N101	**98**	**Entity Identifier Code** "**ST**" - Ship To	**M**
N102	**93**	**StoreName**	**M**
N103	**66**	**Identification Code Qualifier** "**92**" - Assigned by Customer (3 digits)	**C**
N104	**67**	**Identification Code** The 3-digit number transmitted will indicate a Store Location.	**C**

CUSTOMER SEGMENT USAGE COMMENTS

- There only one combination of the use of the N1 segment for Customer orders:
    1. The N1 is sent when an individual order is placed for a specific Store number. There is one ship to location. The "ST" code will be used in the N101 element.

- It is assumed that for a location identified in this segment, the trading partner has the address. No address information needs to be sent in the transmission.

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Segment: **PO1 - Purchase Order Baseline Item Data**
Level: **Detail**
Customer Usage: **Mandatory**
Purpose: To specify purchase order line item data.

Ref. Des.	Data Element	Name	Element Usage
PO101	350	**Purchase Order Line Item Number** Identifies a specific line on a Customer order.	**O**
PO102	330	**Quantity Ordered**	**M**
PO103	355	**Unit of Measurement Code** "EA" - Each	**M**
PO104	212	**Unit Price** Cost will be sent for each item ordered.	**C**
PO106	235	**Product/Service ID Qualifier** "UP" – UPC	**C**
PO107	234	**Product ID** Identifying number for a product. "UP" - (12 digit) number.	**C**
PO108 thru	(235) (234)	**Product ID Qualifier** "VP"- Vendor Part Qualifier	**O**
PO109		**Product ID** "VP" – Vendor Model#	**C**
PO109 thru	(235) (234)	**Product ID Qualifier** "CB"- Buyer's Catalog Qualifier	**O**
PO110		**Product ID** **Fry's Electronics PLU#**	**C**

CUSTOMER SEGMENT USAGE COMMENTS

- The "UP" Qualifier and ID are required. "VP" and "CB" Qualifiers and ID's are optional.

Segment:	**CTT - Transaction Totals**	
Level:	**Summary**	
Customer Usage:	**Mandatory**	
Purpose:	To provide total line items to validate transaction completeness and correctness.	

Ref. Des.	Data Element	Name	Element Usage
CTT01	**354**	**Number of Line Items** Total number of line items (PO1 segments) present in the transaction set.	**M**

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Segment: **SE - Transaction Set Trailer**
Level: **Summary**
Customer Usage: **Mandatory**
Purpose: To indicate the end of the transaction set and to provide the count of the segments transmitted within the transaction set.

Ref. Des.	Data Element	Name	Element Usage
SE01	**96**	**Number of Included Segments** The total number of segments included in a transaction set including the ST and SE segments.	**M**
SE02	**329**	**Transaction Set Control Number** The identifying transaction set control number. This must be the same number as in the ST02.	**M**

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Segment: **GE - Functional Control Trailer**
Level: **Group**
Customer Usage: **Mandatory**
Purpose: Indicates the end of a functional group and provides control information.

Ref. Des.	Data Element	Name	Element Usage
GE01	**97**	**Number of Included Transaction Sets** This field represents the number of transaction sets (ST/SE) included in the functional group (GS/GE).	**M**
GE02	**28**	**Data Interchange Control Number** This must be the same number that was entered in the (GS06) field for the group.	**M**

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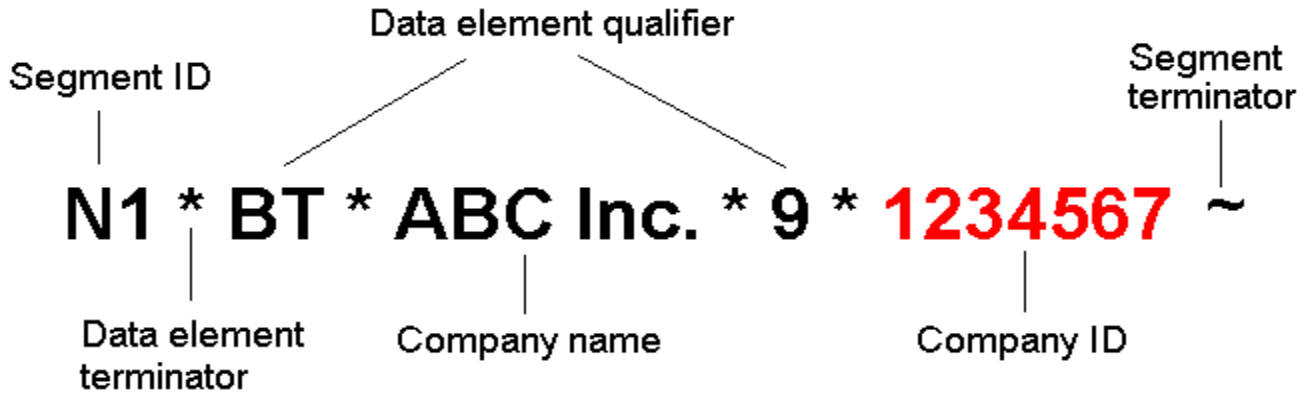
Segment:	**IEA - Interchange Control Trailer**
Level:	**Envelope**
Customer Usage:	**Mandatory**
Purpose:	To define the end of an interchange for a partner and to provide control information.

Ref. Des.	Data Element	Name	Element Usage
IEA01	**116**	**Number of Included Groups** This field represents the number of GS segments within the transmission.	**M**
IEA02	**112**	**Interchange Control Number** The number in this field must match the one in the ISA segment (ISA13).	**M**

EDI data segment, data elements and terminators

Segment ID

Data element qualifier

Segment terminator

N1 * BT * ABC Inc. * 9 * 1234567 ~

Data element terminator

Company name

Company ID

The "Bill To" company name is "ABC Inc." with a "DUNS ID" of "1234567".