



KAMAX HOLDING GMBH & CO. KG

X12 850

Orders - Guideline



History:

Date	Author	Change
10/17/2018	Valerius Fitz	Creation of document



Functional Group=PO

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
001	ISA	Interchange Control Header	M	1		
002	GS	Functional Group Header	M	1		
010	ST	Transaction Set Header	M	1		
020	BEG	Beginning Segment for Purchase Order	M	1		
040	CUR	Currency	O	1		
050	REF	Reference Identification	O	>1		
LOOP ID - N1				200		
310	N1	Name	M	1		
360	PER	Administrative Communications Contact	O	>1		
031	GE	Functional Group Trailer	M	1		
032	IEA	Interchange Control Trailer	M	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - PO1				100000		
010	PO1	Baseline Item Data	M	1		
100	REF	Reference Identification	O	>1		
LOOP ID - SCH				200		
295	SCH	Line Item Schedule	O	1		

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
LOOP ID - CTT				1		
010	CTT	Transaction Totals	O	1		
030	SE	Transaction Set Trailer	M	1		



ISA	Interchange Control Header	Pos: 001 Max: 1 Heading - Mandatory Loop: N/A Elements: 16
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To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ISA01	I01	Authorization Information Qualifier Code NAME 00 No Authorization Information Present (No Meaningful Information in I02) 01 UCS Communications ID	M	ID	2/2
ISA02	I02	Authorization Information	M	AN	10/10
ISA03	I03	Security Information Qualifier Code NAME 00 No Security Information Present (No Meaningful Information in I04) 01 Password	M	ID	2/2
ISA04	I04	Security Information	M	AN	10/10
ISA05	I05	Interchange ID Qualifier Code NAME 01 Duns (Dun & Bradstreet)	M	ID	2/2
ISA06	I06	Interchange Sender ID	M	AN	15/15
ISA07	I05	Interchange ID Qualifier Code NAME 01 Duns (Dun & Bradstreet)	M	ID	2/2
ISA08	I07	Interchange Receiver	M	AN	15/15
ISA09	I08	Interchange Date	M	DT	6/6
ISA10	I09	Interchange Time	M	TM	4/4
ISA11	I10	Interchange Control Standards Identifier Code NAME U U.S. EDI Community of ASC X12,and UCS	M	ID	1/1
ISA12	I11	Interchange Control Version Number	M	ID	5/5
ISA13	I12	Interchange Control Number	M	N0	9/9
ISA14	I13	Acknowledgment Requested Code NAME 0 No Acknowledgment Requested 1 Interchange Acknowledgment Requested	M	ID	1/1
ISA15	I14	Usage Indicator Code NAME P Production Data T Test Data	M	ID	1/1
ISA16	I15	Component Element Separator	M		1/1

GS	Functional Group Header	Pos: 002 Max: 1 Heading - Mandatory Loop: N/A Elements: 8
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To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GS01	479	Functional Identifier Code Code NAME PO Purchase Order (850)	M	ID	2/2
GS02	142	Application Sender's Code	M	AN	2/15
GS03	124	Application Receiver's Code	M	AN	2/15
GS04	373	Date User: Format: CCYYMMDD. *Previous standards are length 6 with format YYMMDD.	M	DT	8/8
GS05	337	Time User: Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59). *Previous standards are length 4.	M	TM	4/8
GS06	28	Group Control Number	M	N0	1/9
GS07	455	Responsible Agency Code Code NAME X Accredited Standards Committee X12	M	ID	1/2
GS08	480	Version / Release / Industry Identifier Code Code NAME 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.



ST	Transaction Set Header	Pos: 010 Max: 1 Heading - Mandatory Loop: N/A Elements: 2
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To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		Code NAME 850 Purchase Order			
ST02	329	Transaction Set Control Number	M	AN	4/9



BEG	Beginning Segment for Purchase Order	Pos: 020 Max: 1 Heading - Mandatory Loop: N/A Elements: 5
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To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
BEG01	353	Transaction Set Purpose Code Code NAME 00 Original 06 Confirmation	M	ID	2/2
BEG02	92	Purchase Order Type Code Code NAME SA Stand-alone Order	M	ID	2/2
BEG03	324	Purchase Order Number	M	AN	1/22
BEG04	328	Release Number	O	AN	1/30
BEG05	373	Date User: Date expressed as CCYYMMDD * previous versions are length 6 in format YYMMDD			

Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.



CUR	Currency	Pos: 040 Max: 1 Heading - Optional Loop: N/A Elements: 2
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To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CUR01	98	Entity Identifier Code	M	ID	2/3
		Code NAME BY Buying Party (Purchaser)			
CUR02	100	Currency Code	M	ID	3/3



REF	Reference Identification	Pos: 050 Max: >1 Heading - Optional Loop: N/A Elements: 2
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To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	128	Reference Identification Qualifier Code NAME GC Government Contract Number PR Price Quote Number	M	ID	2/3
REF02	127	Reference Identification	C	AN	1/30



N1	Name	Pos: 310 Max: 1 Heading - Mandatory Loop: N1 Elements: 4
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To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	98	Entity Identifier Code Code NAME BY Buying Party (Purchaser) ST Ship To	M	ID	2/3
N102	93	Name	C	AN	1/60
N103	66	Identification Code Qualifier User: 91 - TI's Customer ID Number. 92 - Sender's Internal Customer ID Number. Internal: Code NAME 1 D-U-N-S Number,Dun & Bradstreet 9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	C	ID	1/2
N104	67	Identification Code	C	AN	2/80

Syntax:

R0203 -- At least one of N102 or N103 is required.P0304 -- If either N103 or N104 are present, then the others are required.

Comments:

N1 segment is required by TI and the N104 must be included.



PER	Administrative Communications Contact	Pos: 360 Max: >1 Heading - Optional Loop: N1 Elements: 4
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To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PER01	366	Contact Function Code Code NAME BD Buyer Name or Department	M	ID	2/2
PER02	93	Name	O	AN	1/60
PER03	365	Communication Number Qualifier Code NAME TE Telephone	C	ID	2/2
PER04	364	Communication Number	C	AN	1/80

Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required.



PO1	Baseline Item Data	Pos: 010 Max: 1 Detail - Mandatory Loop: PO1 Elements: 11
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To specify basic and most frequently used line item data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PO101	350	Assigned Identification	O	AN	1/20
PO102	330	Quantity Ordered	C	R	1/15
PO103	355	Unit or Basis for Measurement Code Code NAME EA Each PC Piece	O	ID	2/2
PO104	212	Unit Price	C	R	1/17
PO105	639	Basis of Unit Price Code Code NAME CT Contract	O	ID	2/2
PO106	235	Product/Service ID Qualifier Code NAME BP Buyer's Part Number PN Company Part Number	C	ID	2/2
PO107	234	Product/Service ID User: Customer Part Number	C	AN	1/48
PO108	235	Product/Service ID Qualifier Code NAME EC Engineering Change Level	C	ID	2/2
PO109	234	Product/Service ID User: Customer Part Number Revision	C	AN	1/48
PO110	235	Product/Service ID Qualifier Code NAME VP Vendor's (Seller's) Part Number	C	ID	2/2
PO111	234	Product/Service ID User: TI Part Number	C	AN	1/48

Syntax:

C0302 -- If PO103 is present, then PO102 is required
C0504 -- If PO105 is present, then PO104 is required
P0607 -- If either PO106 or PO107 are present, then the others are required.
P0809 -- If either PO108 or PO109 are present, then the others are required.
P1011 -- If either PO110 or PO111 are present, then the others are required.

Comments:

The PO102 and PO103 are required by TI.



REF	Reference Identification	Pos: 100 Max: >1 Detail - Optional Loop: PO1 Elements: 2
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To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	128	Reference Identification Qualifier Code NAME DQ Delivery Quote Number GC Government Contract Number GP Government Priority Number IT Internal Customer Number PH Priority Rating PR Price Quote Number VN Vendor Order Number	M	ID	2/3
REF02	127	Reference Identification	C	AN	1/30

Syntax:

R0203 -- At least one of REF02 or REF03 is required.



SCH	Line Item Schedule	Pos: 295 Max: 1 Detail - Optional Loop: SCH Elements: 5
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To specify the data for scheduling a specific line-item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SCH01	380	Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code	M	ID	2/2
		Code NAME EA Each			
SCH05	374	Date/Time Qualifier	M	ID	3/3
		Code NAME 002 Delivery Requested 010 Requested Ship 017 Estimated Delivery			
SCH06	373	Date	M	DT	8/8
		User: Date expressed as CCYYMMDD. * previous versions are length 6 in format YYMMDD			
SCH07	337	Time	O	TM	4/8
		User: Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) *Previous standards are length 4			



CTT	Transaction Totals	Pos: 010 Max: 1 Summary - Optional Loop: CTT Elements: 1
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To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CTT01	354	Number of Line Items	M	N0	1/6



SE	Transaction Set Trailer	Pos: 030 Max: 1 Summary - Mandatory Loop: N/A Elements: 2
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To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9



GE	Functional Group Trailer	Pos: 031 Max: 1 Heading - Mandatory Loop: N/A Elements: 2
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To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
GE01	97	Number of Transaction Sets Included	M	N0	1/6
GE02	28	Group Control Number	M	N0	1/9

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

IEA	Interchange Control Trailer	Pos: 032 Max: 1 Heading - Mandatory Loop: N/A Elements: 2
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To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
IEA01	I16	Number of Included Functional Groups	M	N0	1/5
IEA02	I12	Interchange Control Number	M	N0	9/9