

Integration Specification

X12 5010 850

Purchase Order

Dropship



Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use in an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practices relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or acknowledgment information.



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EDI Segment Hierarchy

ID	Segment Name	Req	Max Use	Usage
ISA	Interchange Control Header	M	1	Must Use
GS	Functional Group Header	M	1	Must Use

Transaction Set Header

ID	Segment Name	Req	Max Use	Usage
ST	Transaction Set Header	M	1	Must Use
BEG	Beginning Segment for Purchase Order	M	1	Must Use
TD5	Carrier Details (Routing Sequence)	M	10	Must Use
DTM	Date/Time Reference	M	10	Must Use

N1 Loop

ID	Segment Name	Req	Max Use	Usage
N1	Name	M	1	Must Use
N2	Additional Name Information	O	1	Optional
N3	Address Information	M	1	Must Use
N4	Geographic Location	M	1	Must Use

Line-Item Detail – PO1 Loop

ID	Segment Name	Req	Max Use	Usage
PO1	Baseline Item Date	M	10	Must Use
PID	Product Item Description	M	10	Must Use



Transactions Summary

ID	Segment Name	Req	Max Use	Usage
SE	Transaction Set Trailer	M	1	Must Use
GE	Functional Group Trailer	M	1	Must Use
IEA	Interchange Control Trailer	M	1	Must Use



ISA Interchange Control Header

User Option (Usage): Must use.

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments.

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
ISA01	Authorization Information Qualifier	M	ID	2/2	Must Use
ISA02	Authorization Information	M	AN	10/10	Must Use
ISA03	Security Information Qualifier	M	ID	2/2	Must Use
ISA04	Security Information	M	AN	10/10	Must Use
ISA05	Interchange ID Qualifier	M	ID	2/2	Must Use
ISA06	Interchange Sender ID	M	AN	15/15	Must Use
ISA07	Interchange ID Qualifier	M	ID	2/2	Must Use
ISA08	Interchange Receiver ID	M	AN	15/15	Must Use
ISA09	Interchange Date 'YYMMDD'	M	DT	6/6	Must Use
ISA10	Interchange Time 'HHMM'	M	TM	4/4	Must Use
ISA11	Interchange Control Standards Identifier 'I'	M	ID	1/1	Must Use
ISA12	Interchange Control Version Number '00501'	M	ID	5/5	Must Use
ISA13	Interchange Control Number	M	N0	9/9	Must Use
ISA14	Acknowledgment Requested '0'	M	ID	1/1	Must Use
ISA15	Interchange Usage Indicator 'P' or 'T'	M	ID	1/1	Must Use
ISA16	Component Element Separator ':'	M	ID	1/1	Must Use



GS Functional Group Header

User Option (Usage): Must use.

Purpose: To indicate the beginning of a functional group and provide control information.

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
GS01	Functional Identifier Code 'PO'	M	ID	2/2	Must Use
GS02	Application Senders Code	M	AN	2/15	Must Use
GS03	Application Receivers Code	M	AN	2/15	Must Use
GS04	Date 'CCYYMMDD'	M	DT	8/8	Must Use
GS05	Time 'HHMMSSDD'	M	TM	8/8	Must Use
GS06	Group Control Number	M	N0	1/9	Must Use
GS07	Responsible Agency Code 'X'	M	ID	1/2	Must Use
GS08	Version / Release / Industry Identifier '005010'	M	AN	1/12	Must Use



ST Transaction Set Header

User Option (Usage): Must use.

Purpose: To indicate the start of a transaction set and assign a control number.

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
ST01	Transaction Set Identifier Code '850'	M	ID	3/3	Must Use
ST02	Transaction Set Control Number	M	AN	4/9	Must Use



BEG Beginning Segment for Purchase Order

User Option (Usage): Must use.

Purpose: To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
BEG01	Transaction Set Purpose Code '00' or '04'	M	ID	2/2	Must Use
BEG02	Transaction Set Control Number 'DS'	M	AN	4/9	Must Use
BEG03	Purchase Order Number	M	AN	1/22	Must Use
BEG04	Release Number	O	N0	1/30	Not Used
BEG05	Date 'CCYYMMDD'	M	DT	8/8	Must use

Semantics

1. BEG01 – Defaulted codes '00' (Original) or '04' (Duplicate)
2. BEG02 – Defaulted codes 'DS' (Dropship)
3. BEG04 – Not Used



DTM Date/Time Reference

User Option (Usage): Must use.

Purpose: To specify pertinent dates and times

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
DTM01	Date Qualifier '001'	O	ID	3/3	Optional
DTM02	Date 'YYYYMMDD'	O	DT	8/8	Optional

Semantics

1. DTM01 – Defaulted to '001' (Ship by Date)



TD5 Carrier Details

User Option (Usage): Must use.

Purpose: To specify the carrier and sequence of routing and provide transit time information

ID	Segment Name	Req	Type	Max Use	Usage
TD501	Routing Sequence Code	O	ID	1/1	Optional
TD502	Identification Code Qualifier	O	ID	2/2	Optional
TD503	Carrier Name	O	ID	2/80	Optional
TD504	Transportation Method / Type Code	M	ID	1/1	Must Use

Semantics

1. TD504 – Reference Method/Code below:
 - a. 'M' – Common Carrier
 - b. 'ZZ' – Mutually Defined



N1 Name

User Option (Usage): Must use.

Purpose: To identify a party by type of organization, name and code

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
N101	Entity Identifier Code 'BY'	M	ID	2/3	Must Use
N102	Free Form Name	M	AN	1/60	Must Use

Semantics

1. N101 – Defaulted to 'BY' (Buyer Party)
2. N102 – First Name / Last Name



N2 Additional Name Information

User Option (Usage): Optional.

Purpose: To specify the company name

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
N201	Free form Name	O	AN	1/60	Optional



N3 Address Information

User Option (Usage): Must use.

Purpose: To specify the location of the named party

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
N301	Primary Address	M	AN	1/55	Must Use
N302	Secondary Address	M	AN	1/55	Must Use

Semantics

1. N301 – Customer ship to address
2. N302 – Customer ship to address



N4 Geographic Location

User Option (Usage): Must use.

Purpose: To specify the geographic place of the named party

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
N401	City Name	M	AN	2/30	Must Use
N402	State	M	ID	1/55	Must Use
N403	Postal Code	M	ID	3/15	Must Use
N404	Country Code	M	ID	2/3	Must Use



PO1 Baseline Item Data

User Option (Usage): Must use.

Purpose: To specify basic and frequently used line-item data

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
PO101	Line-Item Number	X	AN	1/20	Not Used
PO102	Quantity Ordered	M	R	1/15	Must Use
PO103	Unit or Basis for Measurement Code	M	ID	2/2	Must Use
PO104	Unit Price	M	R	1/17	Must Use
PO105	Basis of Unit Price Code	X	ID	2/2	Not Used
PO106	Product/Service ID Qualifier 'VN'	M	ID	2/2	Must Use
PO107	Product/Service ID	M	AN	1/48	Must Use
PO108	Product/Service ID Qualifier 'UP'	O	ID	2/2	Optional
PO109	Product/Service ID	O	AN	1/48	Optional

Semantics

1. PO103 – Reference Measurement Code below:
 - a. 'BX' – Box
 - b. 'CA' – Case
 - c. 'DZ' – Dozen
 - d. 'EA' – Each
 - e. 'LB' – Pound
 - f. 'PR' - Pair
2. PO106 – Defaulted to 'SK (GOVX SKU Number)
3. PO108 – Defaulted to 'UP' (12-digit Universal Product Code (UPC))



PID Product Item Description

User Option (Usage): Must use.

Purpose: To further specify the description of the product or item

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
PID01	Item Description Type 'F'	M	ID	1/1	Must Use
PID05	Description	M	AN	1/80	Must Use

Semantics

1. PID05 – A free-form description to clarify the related data elements and their content.
 - a. E.g., Product type, color, size, etc.



SE Transaction Set Trailer

User Option (Usage): Must use.

Purpose: 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

ID	Segment Name	Req	Type	Max Use	Usage
SE01	Number of Included Segments	M	N0	1/10	Must Use
SE02	Transaction Set Control Number	M	AN	4/9	Must Use

Syntax Rules

1. SE02 – The value for SE02 must be identical to the value in ST02



GE Functional Group Trailer

User Option (Usage): Must use.

Purpose: To indicate the end of a functional group and to provide control information

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
GE01	Number of Transaction Sets Included	M	N0	1/6	Must Use
GE02	Group Control Number	M	N0	1/9	Must Use

Syntax Rules

1. GE02 – The value for GE02 must be identical to the value in GS06



IEA Interchange Control Trailer

User Option (Usage): Must use.

Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments

Element Summary

ID	Segment Name	Req	Type	Max Use	Usage
IEA01	Number of Transaction Sets Included	M	N0	1/5	Must Use
IEA02	Interchange Control Number	M	N0	9/9	Must Use



850 Purchase Order Sample

ISA*00**00**12*8582247800 *ZZ*RECEIVERID
*231122*1618*|*00501*002676616*0*P*:
GS*PO*8582247800*RECEIVERID*20231122*16182242*2676616*X*005010
ST*850*2676616
BEG*04*SA*1112222-HYP02**20231122
DTM*001*20231202
TD5****ZZ
N1*BY*Diana Sinohui
N2*GOVX
N3*9605 Scranton Road*Suite 650
N4*San Diego*CA*92121*US
PO1**1*EA*13.18**SK*TGV-RNG-EG-DST-BLU-11*UP*195589067183
PID*F****Men's Edge Ring - Deep Stone Grey - 11
PO1**20*EA*114.87**VN*6214417*UP*805289346883
PID*F****RB3016 Clubmaster Classic Polar Sunglasses Black
SE*13*2676616
GE*2*2676616
IEA*1*002676616

