



Supplier 850

VERSION 4010

Author:	Integrated Supply Network
Modified:	04/10/2005
Modified:	05/21/2007

850 Purchase Order

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. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
030	BEG	Beginning Segment for Purchase Order	M	1			Must use
050	REF	Reference Identification	O	>1			Used
060	PER	Administrative Communications Contact	O	3			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1			Used

<u>LOOP ID - N9</u>			<u>1000</u>		
380	N9	Reference Identification	O	1	Used
400	MSG	Message Text	O	1000	Used

<u>LOOP ID - N1</u>			<u>200</u>		
410	N1	Name	O	1	Used
430	N3	Address Information	O	2	Used
440	N4	Geographic Location	O	>1	Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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<u>LOOP ID - PO1</u>			<u>100000</u>		
760	PO1	Baseline Item Data	M	1	Must use

<u>LOOP ID - PID</u>			<u>1000</u>		
860	PID	Product/Item Description	O	1	Used

<u>LOOP ID - MSG</u>			<u>1</u>		
933	MSG	Message Text	O	1	Used

<u>LOOP ID - SCH</u>			<u>1</u>		
1180	SCH	Line Item Schedule	O	1	Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
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<u>LOOP ID - CTT</u>			<u>1</u>		N3/010L	
1930	CTT	Transaction Totals	O	1	N3/010	Used
	SE	Transaction Set Trailer	M	1		Must use

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option(Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> 00 No Authorization Information Present (No Meaningful Information in I02)				
ISA02	I02	Authorization Information Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> 00 No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	Security Information Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u> 01 Duns (Dun & Bradstreet)				
ISA06	I06	Interchange Sender ID Description:	M	AN	15/15	Must use

		Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
ISA08	I07	Interchange Receiver ID Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them	M	AN	15/15	Must use
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer Refer to valid Code lists below	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: Code specifying the version number of the interchange control segments	M	ID	5/5	Must use
		<u>Code</u> <u>Name</u> 00400 Standard Issued as ANSI X12.5-1997				
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) <u>Code</u> <u>Name</u>	M	ID	1/1	Must use

ISA15	I14	1 Usage Indicator Description:	M	ID	1/1	Must use
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Interchange Acknowledgment Requested
Code to indicate whether data enclosed by this interchange envelope is test, production or information

ISA16	I15	<table border="0"> <tr> <td style="padding-right: 10px;"><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>P</td> <td>Production Data</td> </tr> <tr> <td>T</td> <td>Test Data</td> </tr> </table> Component Element Separator Description:	<u>Code</u>	<u>Name</u>	P	Production Data	T	Test Data	M		1/1	Must use
<u>Code</u>	<u>Name</u>											
P	Production Data											
T	Test Data											

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS**Functional Group Header**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option(Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use				
		<table border="0"> <tr> <td style="padding-right: 20px;"><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>PO</td> <td>Purchase Order (850)</td> </tr> </table>	<u>Code</u>	<u>Name</u>	PO	Purchase Order (850)				
<u>Code</u>	<u>Name</u>									
PO	Purchase Order (850)									
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use				
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use				
GS04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use				
GS05	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use				
GS06	28	Group Control Number Description: Assigned number originated and maintained by the	M	N0	1/9	Must use				

sender

GS07	455	Responsible Agency Code Description:	M	ID	1/2	Must use
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Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

		<u>Code</u> <u>Name</u>				
		X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code Description:	M	AN	1/12	Must use

Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

		<u>Code</u> <u>Name</u>
		004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option(Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		<u>Code</u> <u>Name</u>				
		850 Purchase Order				
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

BEG Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option(Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
BEG01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set	M	ID	2/2	Must use						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>00</td> <td>Original</td> </tr> <tr> <td>01</td> <td>Cancel (Future)</td> </tr> </table>	<u>Code</u>	<u>Name</u>	00	Original	01	Cancel (Future)				
<u>Code</u>	<u>Name</u>											
00	Original											
01	Cancel (Future)											
BEG02	92	Purchase Order Type Code Description: Code specifying the type of Purchase Order	M	ID	2/2	Must use						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>SA</td> <td>Stand-alone Order</td> </tr> </table>	<u>Code</u>	<u>Name</u>	SA	Stand-alone Order						
<u>Code</u>	<u>Name</u>											
SA	Stand-alone Order											
BEG03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the purchaser	M	AN	1/22	Must use						
BEG05	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use						

REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option(Usage): Used

To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description:

Code qualifying the Reference Identification

<u>Ref</u>	<u>Id</u>	<u>Code</u>	<u>Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF02	127	IA	Internal Vendor Number	X	AN	1/30	Used

Reference Identification Description:

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

PER Administrative Communications Contact

Pos: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 2

User Option(Usage): Used

To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named	M	ID	2/2	Must use				
PER02	93	<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>BD</td> <td>Buyer Name or Department</td> </tr> </table> Name Description: Free-form name	<u>Code</u>	<u>Name</u>	BD	Buyer Name or Department	O	AN	1/60	Used
<u>Code</u>	<u>Name</u>									
BD	Buyer Name or Department									
PER03	365	Communication Number Qualifier Code identifying the communication number referenced	O	ID	2/2	Used				
PER04	364	<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>TE</td> <td>Telephone</td> </tr> </table> Communication Number Free-form communication number reference	<u>Code</u>	<u>Name</u>	TE	Telephone	O	AN	1/80	Used
<u>Code</u>	<u>Name</u>									
TE	Telephone									

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User Option(Usage): Used

To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	Terms Type Code Description: Code identifying type of payment terms	O	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		01 Basic				
ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period	O	ID	1/2	Used
		<u>Code</u> <u>Name</u>				
		3 Invoice Date				
ITD03	338	Terms Discount Percent The discount percentage	O	R	1/6	Used
ITD05	351	Terms Discount Days Due The number of days in which to pay to receive the discount.	O	N0	1/6	Used
ITD07	386	Terms Net Days Description: Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used
ITD12	352	Terms Description Free-form description field	O	AN	1/80	Used
ITD13	765	Day of Month Day of the month when payment should be made to receive the discount.	O	N0	1/2	Used

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 250	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

Note :

This segment only appears on Drop Ship Purchase Orders

User Option(Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD12	284	Service Level Code	O	AN	2/2	Must use

Description:

Code identifying the level of service

<u>Code</u>	<u>Name</u>
SG	Standard Ground
SC	Second Day Air
ND	Next Day Air
3D	Three Day Service
9A	9 A.M.
ON	Overnight
PR	Next Day by 5 P.M.
SE	Second Day Air
SI	Stand Ground Hundred Weight

Loop N9

Pos: 380	Repeat: 1000
	Optional
Loop: N9	Elements: N/A

To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
380	N9	Reference Identification	O	1		Used
400	MSG	Message Text	O	1000		Used

N9 Reference Identification

Pos: 295	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User Option(Usage): Used

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/3	Must use
		<u>Code</u> <u>Name</u> ZZ Mutually Defined				
N902	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

MSG Message Text

Pos: 400	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

User Option(Usage): Used

To provide a free-form format that allows the transmission of text information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use
		Description:				
		Free-form message text				

Loop N1

Pos: 410	Repeat: 200
Optional	
Loop: N1	Elements: N/A

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
410	N1	Name	O	>1		Used
430	N3	Address Information	O	>1		Used
440	N4	Geographic Location	O	>1		Used

N1

Name

Pos: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option(Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual	M	ID	2/3	Must use						
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">BT</td> <td style="text-align: center;">Bill-to-Party</td> </tr> <tr> <td style="text-align: center;">ST</td> <td style="text-align: center;">Ship To</td> </tr> </table>	<u>Code</u>	<u>Name</u>	BT	Bill-to-Party	ST	Ship To				
<u>Code</u>	<u>Name</u>											
BT	Bill-to-Party											
ST	Ship To											
N102	93	Name Description: Free-form name	X	AN	1/60	Used						
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67)	X	ID	1/2	Used						
		<table border="0"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">54</td> <td style="text-align: center;">Warehouse Code</td> </tr> </table>	<u>Code</u>	<u>Name</u>	54	Warehouse Code						
<u>Code</u>	<u>Name</u>											
54	Warehouse Code											
N104	67	Identification Code Description: Code identifying a party or other code Ship To Warehouse codes is attached.	X	AN	2/80	Used						

Ship to codes and addresses:

Warehouse: ISN - Atlanta Georgia
 Address: 1374 Beverage Drive
 Stone Mountain Ga 33083

Warehouse Codes:

ATL1 – Warehouse order
 ATLD – Direct ship from vendor
 ATLS – Special Order

ISN – Baltimore Maryland
 7030 Troy Hill Drive
 Elkridge MD 21075

BAL1 – Warehouse Order
 BALD – Direct ship from vendor
 BALS – Special Order

Warehouse: ISN – Dallas Texas
 Address: 714 107th Street
 Arlington TX 76011

Warehouse Codes:

DAL1 – Warehouse Order
 DALD – Direct ship from vendor
 DALS – Special Order

ISN – Fort Wayne Indiana
 2251 Research Drive
 Fort Wayne IN 46608

FTW1 – Warehouse Order
 FTWD – Direct ship from vendor
 FTWS – Special Order

Warehouse: ISN – Fresno California
 Address: 3878 South Willow Ave
 Suite 101
 Fresno Ca 93725

Warehouse Codes:

FRS1 – Warehouse order
 FRSD – Direct ship from vendor
 FRSS – Special Order

ISN – Lakeland Florida
 2727 Interstate Drive
 Lakeland Fl 33804

LAK1 – Warehouse Order
 LAKD – Direct ship from vendor
 LAKS – Special Order

N3 Address Information

Pos: 430	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option(Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 440	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

User Option(Usage): Used

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used

Loop PO1

Pos: 010	Repeat: 100000
Mandatory	
Loop: PO1	Elements: N/A

To specify basic and most frequently used line item data

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
760	PO1	Baseline Item Data	M	1		Must use
860		Loop PID	O		1000	Used
1180		Loop SCH	O		200	Used

PO1 Baseline Item Data

Pos: 760	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 9

User Option(Usage): Must use

To specify basic and most frequently used line item data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
PO101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used						
PO102	330	Quantity Ordered Description: Quantity ordered	X	R	1/15	Used						
PO103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID	2/2	Used						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>EA</td> <td>Each</td> </tr> </table>	<u>Code</u>	<u>Name</u>	EA	Each						
<u>Code</u>	<u>Name</u>											
EA	Each											
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	X	R	1/17	Must use						
PO106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used						
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CB</td> <td>Buyer's Catalog Number</td> </tr> <tr> <td>VP</td> <td>Vendor's (Seller's) Part Number</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CB	Buyer's Catalog Number	VP	Vendor's (Seller's) Part Number				
<u>Code</u>	<u>Name</u>											
CB	Buyer's Catalog Number											
VP	Vendor's (Seller's) Part Number											

PO107	234	Product/Service ID	X	AN	1/48	Used
		Description:				

Identifying number for a product or service

PO108	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description:				

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

<u>Code</u>	<u>Name</u>
CB	Buyer's Catalog Number
VP	Vendor's (Seller's) Part Number

PO109	234	Product/Service ID	X	AN	1/48	Used
		Description:				

Identifying number for a product or service

Loop PID

Pos: 860	Repeat: 1000
	Optional
Loop: PID	Elements: N/A

To describe a product or process in coded or free-form format

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
860	PID	Product/Item Description	O	1		Used

<h1 style="margin: 0;">PID</h1> <h2 style="margin: 0;">Product/Item Description</h2>	Pos: 860	Max: 1
	Detail - Optional	
	Loop: PID	Elements: 2

User Option(Usage): Used

To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PID01	349	Item Description Type Description: Code indicating the format of a description	M	ID	1/1	Must use				
PID05	352	<table border="0" style="margin-left: 20px;"> <tr> <td style="text-align: center;"><u>Code</u></td> <td style="text-align: center;"><u>Name</u></td> </tr> <tr> <td style="text-align: center;">F</td> <td style="text-align: center;">Free-form</td> </tr> </table> Description Description: A free-form description to clarify the related data elements and their content	<u>Code</u>	<u>Name</u>	F	Free-form	X	AN	1/80	Used
<u>Code</u>	<u>Name</u>									
F	Free-form									

MSG Message Text

Pos: 930	Max: 1
Detail - Optional	
Loop: MSG	Elements: 1

User Option(Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MSG01	933	Free-From Message Text	O	AN	1/264	Used

Description:
Free-form message text describing / detailing an additional need for this item.

SCH Line Item Schedule

Pos: 1180	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User Option(Usage): Used

To specify the data for scheduling a specific line-item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
SCH01	380	Quantity Description: Numeric value of quantity	M	R	1/15	Must use				
SCH02	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M	ID	2/2	Must use				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>EA</td> <td>Each</td> </tr> </table>	<u>Code</u>	<u>Name</u>	EA	Each				
<u>Code</u>	<u>Name</u>									
EA	Each									
SCH05	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3	Must use				
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>017</td> <td>Estimated Delivery</td> </tr> </table>	<u>Code</u>	<u>Name</u>	017	Estimated Delivery				
<u>Code</u>	<u>Name</u>									
017	Estimated Delivery									
SCH06	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use				

Loop CTT

Pos: 1930	Repeat: 1
Optional	
Loop: CTT	Elements: N/A

To transmit a hash total for a specific element in the transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1930	CTT	Transaction Totals	O	1		Used

CTT Transaction Totals

Pos: 1930	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option(Usage): Used

To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items Description:	M	N0	1/6	Must use

Total number of line items in the transaction set

CTT02	347	Hash Total Description:	O	R	1/10	Used
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Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

SE Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option(Usage): Must use

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option(Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option(Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use

Example:

ISA*00* *00* *ZZ*8721 *01*XXXXXXXXXXXX *050502*1711*U*00401*000000572*0*T*>
 GS*PO*8721*XXXXXXXXXXXX*20050502*1711*342*X*004010
 ST*850*0342
 BEG*00*SA*P548869**20050502
 REF*IA*OWA001
 PER*BD*MATT SADLER*TE*(863) 603-0777
 ITD*01*3*2****0*****2% 10TH 6EQUAL*10
 TD5*****SG
 N9*ZZ*ORDER COMMENTS
 MSG*Deliver on behalf of : INTEGRATED SUPPLY NETWORK
 MSG*Auto Drop Ship From W/house WSC1 On Sales order O3683619
 MSG*Ordered : SHON ABRAHAMSON
 MSG*ISN reserves the right to change or cancel this order at any time. ISN also reserves the right to return product on this order
 within 120 days of receipt without any penalty. Free on board our receiving dock.
 N1*ST*MIKE SMITH*54*LAKD
 N3*1212 MAIN ST
 N4*ANY TOWN*WA*98258
 N1*BT*INTEGRATED SUPPLY NETWORK
 N3*2727 INTERSTATE DRIVE
 N4*LAKELAND*FL*33805
 PO1*1*1*EA*24.73**CB*3306-21*VP*3306-21
 PID*F****TOOL SET1
 SCH*1*EA***017*20050523
 PO1*2*1*EA*24.73**CB*3306-26*VP*3306-26
 PID*F****TOOL SET2
 SCH*1*EA***017*20050521
 CTT*2*2
 SE*25*0342
 GE*1*342
 IEA*1*000000572