



EDI Implementation Guide

Version 004010

850 Purchase Order



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Sample Purchase Order

GENERAL INFORMATION

NETWORKING AND TRANSMISSION INFORMATION

VAN: GXS
INTERCHANGE QUALIFIER: 01
INTERCHANGE ID: 078495930T (Test); 078495930 (Production)
GROUP ID: 078495930TVzB (Test);078495930VZB (Production)

Separator/Terminator	ASCII (HEX)
Element separator	7E (*)
Segment terminator	0A (LF)

TRANSMISSION CONTROL SEGMENTS

ISA - Interchange Header Segment

Ele.	Ele. ID	REQ. DES.	TYPE	MIN. /MAX	Description	Qualifiers/ Field Descriptions
01	I01	M	ID	2/2	Auth. Info. Qualifier	00
02	I02	M	AN	10/10	Auth. Information	Blank
03	I03	M	ID	2/2	Sec. Info. Qualifier	00
04	I04	M	AN	10/10	Security Information	Blank
05	I05	M	ID	2/2	Interchange ID Qual.	01
06	I06	M	AN	15/15	Interchange Sender ID	044760643
07	I05	M	ID	2/2	Interchange ID Qual.	Mutually Defined
08	I07	M	AN	15/15	Interchange Receiver ID	Mutually Defined
09	I08	M	DT	6/6	Interchange Date	YYMMDD
10	I09	M	TM	4/4	Interchange Time	HHMM
11	I10	M	ID	1/1	Interchange Control ID	U = U.S. EDI Community
12	I11	M	ID	5/5	Interchange Version #	00400
13	I12	M	N0	9/9	Interchange Control #	Unique Identification
14	I13	M	ID	1/1	Acknow. Requested	0 = TA1 not expected
15	I14	M	ID	1/1	Usage Indicator	T = test, P = Production
16	I15	M	AN	1/1	Component Element Separator	>

IEA - Interchange Trailer Segment

Ele.	Ele. ID	REQ. DES.	TYPE	MIN. /MAX	Description	Qualifiers/ Field Descriptions
IEA01	I16	M	N0	1/5	Number of Functional Groups	
IEA02	I12	M	N0	9/9	Interchange Control #	Unique Identification

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GS - Functional Group Header Segment

Ele.	Ele. ID	REQ. DES.	TYPE	MIN. /MAX	Description	Qualifiers/ Field Descriptions
01	479	M	ID	2/2	Functional ID Code	
02	142	M	AN	2/15	Application Sender's Code	044760643
03	124	M	AN	2/15	Application Receiver's Code	Mutually Defined
04	373	M	DT	8/8	Date	CCYYMMDD
05	337	M	TM	4/6	Time	HHMM
06	28	M	N0	1/9	Group Control No.	Unique Identification
07	455	M	ID	1/2	Responsible Agency Code	X
08	480	M	AN	1/12	Version/Release Ind. ID Code	004010

GE - Functional Group Trailer Segment

Ele.	Ele. ID	REQ. DES.	TYPE	MIN. /MAX	Description	Qualifiers/ Field Descriptions
01	97	M	N0	1/6	Number of Included Sets	
02	28	M	N0	1/9	Group Control Number	Unique Identification

STANDARD AND TRANSACTION SET INFORMATION

Standard: ANSI X12
 Version: 004010
 Transaction Set ID: 850

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The following tables were replicated from the ASC X12 manual and convey Verizon Business's usage of this transaction set. The first four columns are as specified in the manual. The last two columns, segment max use and loop repeat, indicate Verizon Business's usage of repeating segments and loops.

Table 1 - Header Information

POS. NO.	SEG. ID	NAME	REQ. DES.	SEG MAX USE	LOOP REPEAT
010	ST	Transaction Set Header	M	1	
020	BEG	Beginning Segment for Purchase Order	M	1	
040	CUR	Currency	M	1	
050	REF	Reference Identification	M	>1	
030	FOB	F.O.B. Related Instructions	O	1	
080	CSH	Header Sale Condition	O	1	
295	N9	Reference Identification	O	1	
297	DTM	Date/Time Reference	O	1	
300	MSG	Message Text	O	1	1000
310	N1	Name (ST Single Item only)	O	1	200
320	N2	Additional Name Info (ST Single Item only)	O	2	200
330	N3	Address Info (ST Single Item only)	O	2	200
340	N4	Geographic Location (ST Single Item only)	O	>1	200
360	PER	Administrative Comm Contact	O	>1	200

Table 2 - Detail Information

POS. NO.	SEG. ID	NAME	REQ. DES.	SEG MAX USE	LOOP REPEAT
010	PO1	Purchase Order Baseline Item Data	M	1	1000
050	PID	Product/Item Description	O	1	
289	MSG	Message Test	O	1	
310	N1	Name (ST Multit Item only)	O	1	200
320	N2	Additional Name Info (ST Multit Item only)	O	2	200
330	N3	Address Information (ST Multit Item only)	O	2	200
340	N4	Geographic Location (ST Multit Item only)	O	>1	200
295	SCH	Line Item Schedule	O	1	

Table 3 - Summary Information

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POS. NO.	SEG. ID	NAME	REQ. DES.	SEG MAX USE	LOOP REPEAT
030	SE	Transaction Set Trailer	M	1	

SEGMENT MAPPING (TABLE 1)**ST Transaction Set Header Segment****EX: ST*850*0001~**

01	Transaction Set ID Code	143	M	ID	3/3
02	Transaction Set Control Number	76	M	AN	4/9

BEG Beginning Segment for Purchase Order**EX: BEG*00*SA*8200013956**20080806~**

01	Transaction Set Purpose 00 = Original	353	M	ID	2/2
02	P.O. Type Code SA = Stand alone order	92	M	ID	2/2
03	P.O. Number Verizon Business Stand Alone PO number	324	M	AN	1/22
04	Release Number Verizon Business Contract Number	328	O	AN	1/30
05	P.O. Date PO Creation Date	323	M	DT	8/8

FOB F.O.B. Related Instructions**EX: FOB*DF*OA*FOB***ZZ*PRE PAY AND ADD~**

01	Ship Method of Pay Shipment Terms DF = Defined by Buyer & Seller	146	M	ID	2/2
02	Location Qualifier FOB Point OA = Origin	309	X	ID	1/2
03	Description FOB Point Description	352	O	AN	1/80
06	Location Qualifier Shipment Method Qualifier	309	X	ID	1/2
07	Description Shipment Method Description	352	O	AN	1/80

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CSH Header Sale Condition

EX: CSH**1*4068~

02	Do-Not-Excd Action Code	306	O	ID	1/2
	1 = Cancel Entire Order/Item				
03	Do-Not-Excd Amount	610	X	N2	1/15
	Do Not Exceed Amount				

ITD Terms of Sale/Deferred Terms of Sale

EX: ITD***0**0**30~

03	Terms Discount	338	O	R	1/6
	Discount %.				
05	Terms Discount Days Due	351	X	N0	1/3
	Discount Due Days.				
07	Terms Net Days	386	O	N0	1/3
	Net Due Days				

N9 Reference Identification

EX: N9*K6*VZB PURCHASE ORDER~

01	Reference Identification Qualifier	128	M	ID	2/3
	K6 = Purchase Description				
02	Reference Identification	127	X	AN	1/30
	VZB Purchase Order				

DTM Date/Time Reference

DTM*004*20080806~

01	Date/Time Qualifier	374	M	ID	3/3
	004 = Purchase Order				
02	Date	373	X	DT	8/8
	Purchase Order Date				

MSG Message Text

EX: MSG*PO HEADER TEXT FOLLOWS IN MSG SEGMENT~

01	Free-Form Message Text	933	M	AN	1/264
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N1 Name (Bill-to Loop)

EX: N1*BT*Verizon Accounts Payable~

01	Entity ID Code	98	M	ID	2/3
	BT = Bill to				
02	Name	93	X	AN	1/60
	Bill-to Name				

N3 Address Information

EX: N3*PO Box 21076~

01	Address Information	166	M	AN	1/55
	Bill-to Address Line 1				
02	Address Information	166	O	AN	1/55
	Bill-to Address Line 2				

N4 Geographic Location

EX: N4*Tulsa*OK*74121~

01	City Name	19	X	AN	2/30
	Bill-to City				
02	State Code	156	O	ID	2/2
	Bill-to State				
03	Postal Code	116	O	ID	3/15
	Bill-to Zip Code				
04	Country Code	116	O	ID	2/3
	Country code				

N1 Name (Ship-to Loop) Single Line Item only

EX: N1*ST*Verizon Business~

01	Entity ID Code	98	M	ID	2/3
	ST = Ship-to				
02	Name	93	X	AN	1/60
	Ship-to Name				

N2 Additional Name Information (Ship-to Loop) Single Line Item only

EX: N2*Texas Warehouse~

01	Name	93	O	AN	1/60
	Ship-to Additional Name information				

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N3 Address Information

EX: N3*4255 Patriot Dr Ste 400~

01	Address Information Ship-to Address Line 1	166	M	AN	1/55
02	Address Information Ship-to Address Line 2	166	O	AN	1/55

N4 Geographic Location Single Line Item only

EX: N4*Grapevine*TX*760513611~

01	City Name Ship-to City	19	X	AN	2/30
02	State Code Ship-to State	156	O	ID	2/2
03	Postal Code Ship-to Zip Code	116	O	ID	3/15

PER Administrative Communications Contact (Verizon Business Buyer)

EX: PER*BD*Jane Crabtree~

01	Contact Function Code BD = Buyer	366	M	ID	2/2
02	Name Verizon Business Buyer	93	O	AN	1/60

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PO1 Purchase Order Baseline Item Data

EX: PO1*00020*10*EA*3.51VC*2A659*****PR*0200061375~**

01	Assigned Identification Line item number	350	O	AN	1/20
02	Quantity Order Quantity ordered	330	X	R	1/15
03	Unit of Measure Code Unit of measure	355	O	ID	2/2
04	Extended Unit Price Unit price	212	X	R	1/17
06	Prod/Serv ID Qualifier VC = Vendor Catalog Number	235	X	ID	2/2
07	Product ID Vendor catalog number	234	X	AN	1/48
08	Prod/Serv ID Qualifier BP = Buyers Part Number	235	X	ID	2/2
09	Product ID Verizon Business Part Number	234	X	AN	1/48
10	Prod/Serv ID Qualifier RP = Replaced Part Number	235	X	ID	2/2
11	Product ID Verizon Business Old Part Number	234	X	AN	1/48
12	Prod/Serv ID Qualifier PR = Process Number	235	X	ID	2/2
13	Product ID SAP Tracking Number	234	X	AN	1/48

PID Product/Item Description

EX: PID*F***Duct Tape, Length 60 Yards, Width 2 Inch~**

01	Item Descr. Type F = Free-form	349	M	ID	1/1
05	Line item description Free-form description	352	X	AN	1/80

MSG Message Text

EX: MSG*Duct Tape, Length 60 Yards, Width 2 Inches/48 Millimeters, Thickness 9~

01	Free-Form Message Text	933	M	AN	1/264
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SCH Line Item Schedule**EX: SCH*1*EA***074*20080807~**

01	Quantity	380	M	R	1/15
	Quantity for delivery				
02	Unit of Measure Code	355	M	ID	2/2
	Unit of measure				
05	Date/Time Qualifier	374	M	ID	3/3
	074 = Requested For Delivery				
06	Date	373	M	DT	8/8
	Received by Date (CCYYMMDD)				

N1 Name (Ship-to Loop) ST Multi Line Items**EX: N1*ST*Verizon Business~**

01	Entity ID Code	98	M	ID	2/3
	ST = Ship-to				
02	Name	93	X	AN	1/60
	Ship-to Name				

N2 Additional Name Information (Ship-to Loop) ST Multi Line Items**EX: N2*Texas Warehouse~**

01	Name	93	O	AN	1/60
	Ship-to Additional Name information				

N3 Address Information ST Multi Line Items**EX: N3*1122 ORLEANS ST FL 1~**

01	Address Information	166	M	AN	1/55
	Ship-to Address Line 1				
02	Address Information	166	O	AN	1/55
	Ship-to Address Line 2				

N4 Geographic Location For Multi Line Items**EX: N4*BEAUMONT*TX*777013611~**

01	City Name	19	X	AN	2/30
	Ship-to City				
02	State Code	156	O	ID	2/2
	Ship-to State				
03	Postal Code	116	O	ID	3/15
	Ship-to Zip Code				

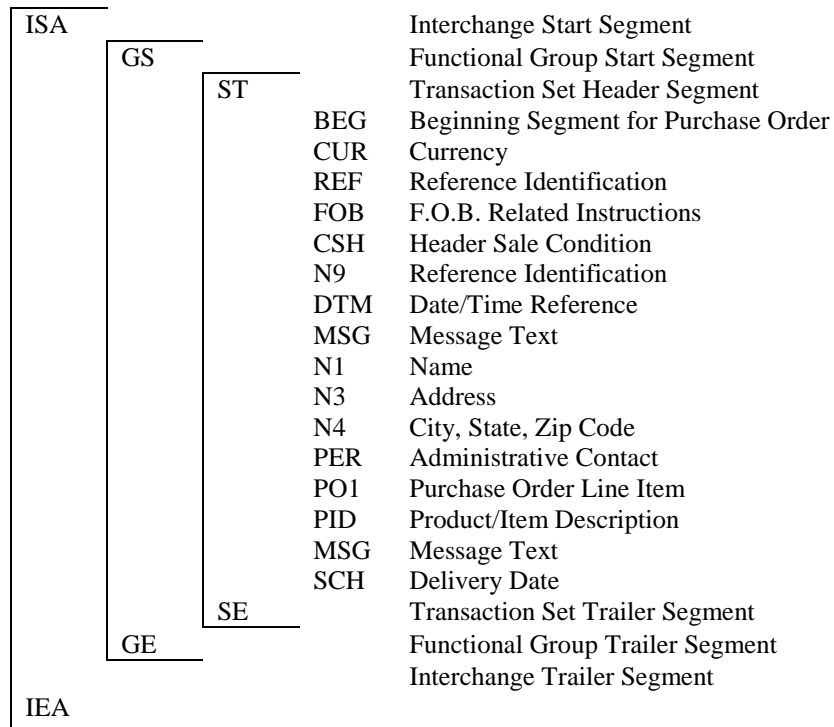
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SE Transaction Set Trailer Segment

EX: SE*45*0001~

01	Number of Included Segments	96	M	N0	1/6
02	Trans. Set Control No.	329	M	AN	4/9

SEGMENT HIERARCHY



SAMPLE PURCHASE ORDER

ISA*00**00**01*044760643T*01*123456789*080813*1231*U*00401*000000029*0*T*>~
GS*PO*044760643T*123456789*20080813*1231*29*X*004010~
ST*850*0001~
BEG*00*SA*8200013956**20080806~
FOB*DF*OA*FOB***ZZ*PRE PAY AND ADD~
CSH**1*4068~
ITD***0**0**30~
N9*K6*VZB PURCHASE ORDER~
DTM*004*20080806~
MSG*PO HEADER TEXT FOLLOWS IN MSG SEGMENT~
MSG*This Purchase Order is governed by the terms and conditions set forth~
MSG*in the current Electronic Commerce Trading Partner Agreement between~
MSG*Verizon Business and the named vendor to whom this PO is issued.~
MSG* Accordingly, Verizon Business Form M-799B (Rev. 02/2000) referenced~
MSG*herein, is not applicable to this transaction and is not attached.~
MSG*Shipping Instructions: This order is to be shipped per the Freight~
MSG*Routing Guide as specified in the above-referenced Agreement.~
MSG* Shipping by any other means may result in Vendor liability for~
MSG*payment of shipping costs.~
N1*BT*Verizon Accounts Payable~
N3*PO Box 21076~
N4*Tulsa*OK*74121~
PER*BD*Jane Crabtree~
PO1*00010*1*EA*5.58**VC*6JD46*****PR*0200061375~
PID*F****Duct Tape, Length 60 Yards, Width 2 Inch~
PER*RQ*THOMAS W HARVEY JR*TE*409-839-4779*EM*thomas.harvey@verizonbusiness.com~
PER*DC*THOMAS W HARVEY JR*TE*409-839-4779*EM*thomas.harvey@verizonbusiness.com~
MSG*Duct Tape, Length 60 Yards, Width 2 Inches/48 Millimeters, Thickness 9~
MSG*Inches, Adhesion 40 Ounces per Inch, Color Silver, Performance~
MSG*Temperature 200 Degrees Fahrenheit, Tensile Strength 20 Pounds/Inches,~
MSG*Economy Grade~
SCH*1*EA***074*20080807~
N1*ST*Verizon Business~
N2*Texas Warehouse~
N3*4255 Patriot Dr Ste 400~
N4*Grapevine*TX*760513611~
PO1*00020*10*EA*3.51**VC*2A659*****PR*0200061375~
PID*F****Box Seal Tape, Width 2 Inches, Color Tra~
PER*RQ*THOMAS W HARVEY JR*TE*409-839-4779*EM*thomas.harvey@verizonbusiness.com~
PER*DC*THOMAS W HARVEY JR*TE*409-839-4779*EM*thomas.harvey@verizonbusiness.com~
MSG*Box Seal Tape, Width 2 Inches, Color Transparent, Length 55 Yards,~
MSG*Adhesion 40 Ounces per Inch, Tensile Strength 22 Pounds/Inches,~
MSG*Thickness 1.9 Mils~
SCH*10*EA***074*20080807~
N1*ST*Verizon Business~
N2*Texas Warehouse~
N3*1122 ORLEANS ST FL 1~
N4*BEAUMONT*TX*777013611~
SE*45*0001~
GE*1*29~
IEA*1*000000029~