


Krugger
Electronic
Exchange
Partnership

***EDI Implementation
Guide***

860 – Purchase Order Change


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EDI Standard

ANSI X.12, version 4010

860 - Purchase Order Change

Transmission Modes

Transmission types accepted: AS2, AS1, SMTP, FTP

EDI identification and qualifier: 12 / 4509639558

[Test and production]

Transmission Reception Time

Send: 24h / 24h

Reception: 24h / 24h

File Format

Segment and Element Separators

Separator	Graphic	Symbol	Decimal	Hex
Sub element	>	Greater than	62	3E
Element	*	Asterisk	42	2A
Segment	~	Tilde	126	7E

Numerical Values

Description	Length	Type
Kruger product number	5	Number
Supplier number	6	Alpha

Data Types

Class	Explication	Details
M	Mandatory	Must be present in the segment
O	Optional	May be present or not
C	Conditional	Conditional to the other element present in the segment
X	Relational	One or more elements must be present

Element Types

Types	Description
ID	Identifier
AN	Alpha
DT	Date format CCAAMMJJ
TM	Hour HH : MM on 24 hours
Nx	Number, decimals are implicit
R	Decimals are explicit

EDI Envelope

ISA – Partner’s Identification (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size
ISA01	I01	Auth. Inf. Qualifier	M	ID	02/02
ISA02	I02	Auth. Information	M	AN	10/10
ISA03	I03	Sec. Inf. Qualifier	M	ID	02/02
ISA04	I04	Security Information	M	AN	10/10
ISA05	I05	Interchange ID Qualifier	M	ID	02/02
ISA06	I06	Interchange Sender ID	M	AN	15/15
ISA07	I07	Interchange ID Qualifier	M	ID	02/02
ISA08	I08	Interchange Receiver ID	M	AN	15/15
ISA09	I09	Interchange Date	M	DT	06/06
ISA10	I09	Interchange Time	M	TM	04/04
ISA11	I10	Interchange Control ID	M	ID	01/01
ISA12	I11	Interchange Version #	M	ID	05/05
ISA13	I12	Interchange Control #	M	NO	09/09
ISA14	I13	Acknowledgment Requested	M	ID	01/01
ISA15	I14	Test Indicator	M	ID	01/01
ISA16	I15	Sub-element Separator	M	AN	01/01

GS – EDI Sub Envelope (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size
GS01	479	Functional ID Code	M	ID	02/02
GS02	142	Application Sender Code	M	AN	02/15
GS03	124	Application Rec.’s Code	M	AN	02/15
GS04	373	Date	M	DT	08/08
GS05	337	Time	M	TM	04/08
GS06	28	Group Ctrl Number	M	NO	01/09
GS07	455	Responsible Agency Code	M	ID	01/02
GS08	480	Version/Release ID Code	M	AN	01/12

GE – EDI Sub Envelope End (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size
GE01	97	Number of ST Included	M	NO	01/06
GE02	28	Group Ctrl Number	M	NO	01/09

IEA – EDI Envelope End (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size
IEA01	I16	Number of GS	M	NO	01/05
IEA02	I12	Interchange Control #	M	NO	09/09

Header

ST – Transaction Header (Mandatory)

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

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
ST01	143	Transaction identifier	M	ID	03/03	Transaction set identifier code
ST02	329	Control number	M	AN	04/09	A unique number within the group

Identifier Code

Code	Description
860	Purchase Order Change

Example

ST*860*0001

BCH – Purchase Order Change Beginning (Mandatory)

To indicate the beginning of the purchase order change transaction set, and transmit identifying numbers and dates

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
BCH01	353	Document type	M	ID	02/02	
BCH02	92	Purchase order type	M	ID	02/02	See Appendix 1
BCH03	324	Purchase order number	M	AN	01/22	
BCH05	327	Change order sequence number	O	AN	01/08	
BCH06	373	Purchase order date	M	DT	08/08	

Document Type List

Code	Description
00	Original

Purchase Order Type

Code	Description
CF	Confirmation

Example

BCH*00*CF*Ponumber**01*20050601

CUR – Currency (Conditional)

To specify the currency

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
CUR01	98	Identifier code	M	ID	02/03	Identifies the party responsible for the currency
CUR02	352	Standard ISO currency code	M	AN	03/03	ISO currency code identifier

http://userpage.chemie.fu-berlin.de/diverse/doc/ISO_3166.html

Identifiers Codes

Code	Description
SE	Supplier
BY	Buyer

Currency Codes

Code	Description
CAD	Canadian dollars
USD	US dollars

Example

CUR*SE*CAD

REF – Reference Identification (Conditional)

Loop: maximum 20 iterations

References to all the parties involved in the transaction such as: department number, tax numbers, supplier number, etc

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
REF01	128	Qualifier	M	ID	02/02	Qualifier see Appendix 2
REF02	127	Reference	X	AN	01/30	Reference number
REF03	352	Description	X	AN	01/80	Textual description

Reference Qualifiers

Code	Description
IA	Supplier number
DP	Department number
Q1	Quote number

Example

REF*IA*CH1234*your supplier number at Kruger

REF*12*37000

REF*Q1*113050531*your quote number

PER – Contact Information (Conditional)

Loop: maximum 3 iterations

Identifies the people who can be reached regarding the transaction

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
PER01	366	Contact function code	M	ID	02/02	Qualifier
PER02	93	Name	O	AN	01/30	Contact name
PER03	365	Communication type	C	ID	02/02	Qualifier
PER04	364	Contact number	C	AN	01/80	Telephone number
PER05	365	Communication type	C	ID	02/02	Qualifier
PER06	364	Contact number	C	AN	01/80	Fax number
PER07	365	Type of communication	C	ID	02/02	Qualifier
PER08	364	Contact number	C	AN	01/80	Email

Contact Qualifiers

Code	Description
BD	Buyer
AP	Accounts payable
AM	Administrator

Communication Type

Code	Description
TE	Telephone
FX	Fax
EM	Email

Example

PER*BD*Jean Pierre Camire*TE*1-234-456-7890 ext 222*FX*1-234-456-7890*EM*jpc@kruger.com

FOB – Related Instructions (Optional)

To specify transportation instructions

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
FOB01	146	Payment method	M	ID	02/02	Who will pay the transport charges
FOB02	309	Location qualifier	X	ID	01/02	From which location the freight charges apply
FOB03	352	Instructions	O	AN	01/80	Text message

Payment Method List

Code	Description	Code	Description
CC	Collect paid by Kruger	NC	No charge
PP	Prepaid	PC	Prepaid but charged

Location Qualifiers

Code	Description
DE	FOB destination
OR	FOB origin

Example

FOB*CC*OR*Purolator Ground

SAC – Allowances or Charges (Optional)

Loop: maximum 25 iterations

Identifies a charge on an allowance

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
SAC01	248	Allowance or charge indicator	M	ID	01/01	
SAC02	1300	Allowance or charge identifier	X	ID	04/04	(See Appendix 3)
SAC05	610	Allowance or charge amount	O	N2	01/15	Monetary value
SAC15	352	Description	X	AN	01/80	Text message

List of Allowances or Charges

Code	Description
C	Charge
A	Allowance

Allowance or Charge Identifier List

Code	Description	Code	Description
A260	Advertising Allowance	F910	Quantity Discount
C310	Discount	F970	Rebate
D170	Free Goods	I170	Trade Discount
D500	Handling	I570	Warehouse Allowance
E740	New Store Discount	ZZZZ	Mutually Defined
F800	Promotional Allowance		

Example

SAC*A**** F910*Volume rebate

ITD – Terms of Sale (Mandatory)

Loop: maximum 2 iterations

Specifies terms and conditions

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
ITD01	336	Term type code	0	ID	02/02	
ITD03	338	Terms discount percentage	0	R	01/06	
ITD04	370	Discount due date	X	DT	08/08	
ITD06	446	Terms due date	0	DT	08/08	
ITD07	386	Terms net days	0	NO	01/03	
ITD08	362	Terms discount amount	0	N2	01/10	
ITD12	352	Description	0	AN	01/80	Textual description

Term Type Code List

Code	Description
01	Basic
05	No discount
14	Previously agreed upon

Example

ITD*14*****45*****As per phone conversation

DTM – Date (Mandatory)

Loop: maximum 10 iterations

To specify pertinent dates

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
DTM01	374	Date qualifier	M	ID	03/03	
DTM02	373	Date	X	DT	08/08	

Date Qualifiers

Code	Description
001	Cancellation date
017	Delivery date

Example

DTM*017*20050616

N9 – Message Identification (Optional)

A mandatory segment prior to the message segment

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
N901	128	Qualifier	M	ID	02/03	« ZZ » by default
N903	369	Description	M	AN	01/45	« Message » by default

Example

N9*ZZ**Message

MSG – Text message (Optional)

Loop: maximum 3 iterations

Freeform message

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
MSG01	363	Message	M	AN	01/264	Instructions

Example

MSG*The Kruger part number must appear on the packing slip

N1 – Name (Mandatory)

Loop: maximum 4 iterations

Identifies the parties involved in the transaction and their physical locations, with the help of segment N3 Address and N4 Geographical location

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
N101	98	Identifier code	M	ID	02/02	
N102	93	Name	X	AN	01/60	
N103	66	Qualifier	X	ID	01/02	
N104	67	Identification code	X	AN	02/80	

Identifier Code List

Code	Description
BT	Bill to
ST	Ship to
RE	Remit to
MA	Final delivery

Qualifier List

Code	Description
01	D.U.N.S number
12	Telephone number
ZZ	Mutually defined

Example

N1 *BT*Kruger inc*12*1234567890

N3 – Address (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
N301	166	Address line 1	M	AN	01/55	
N302	166	Address line 2	O	AN	01/55	

Example

N3*220 Chemin Winsord

N3*PO Box 100

N4 – Geographic Location (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
N401	19	City	0	AN	02/30	
N402	156	Province	0	ID	02/02	
N403	116	Postal code	0	ID	03/15	
N404	26	Country	0	ID	02/03	

Example

N4*Bromptonville*Qc*H3C 2N5*CDN

TD5 – Carrier Detail (Optional)

To specify the transportation method: Kruger may select the carrier and the transportation method

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
TD502	66	Code qualifier	O	ID	01/02	Indicates which party selects the carrier
TD503	67	Carrier name	X	AN	02/80	
TD504	91	Transport method	X	ID	01/02	
TD505	387	Instruction	X	AN	01/13 5	Instruction

Code Qualifier

Code	Description
92	Selected by Kruger
91	Selected by the supplier

Transport Method

Code	Description
A	Air freight
D	Parcel post
H	Picked up by Kruger
M	Common carrier
R	Train
T	Most economical
U	Courier service

Example

TD5*92*PUROLATOR*U*Account number 4395735

Details

POC – Line Items (Mandatory)

Loop: maximum 1 00000 iterations

All item information is contained in the POC, PID, MEA, REF and or MSG

PO1 indicates the line item, quantities, unit of measure, price and product identifiers

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
POC01	350	Line number	0	AN	01/20	
POC02	330	Quantity order	X	R	01/15	
POC03	355	Unit of measure	X	ID	02/02	See Appendix 4
POC04	212	Price	X	R	01/17	
POC06	235	Product service ID qualifier (PI)	0	ID	02/02	Kruger product qualifier
POC07	234	Product ID	X	AN	01/48	Kruger product number
POC08	235	Product service ID qualifier (VN)	0	ID	02/02	Vendor product qualifier
POC09	234	Product ID	X	AN	01/48	Vendor product number
POC11	235	Product service ID qualifier (UP)	0	ID	02/02	Universal product qualifier
POC12	234	Product ID	X	AN	01/48	Universal product number (UPC)
POC13	235	Product service ID qualifier (MA)	0	ID	02/02	Manufacturer product qualifier
POC12	234	Product ID	X	AN	01/48	Manufacturer product number

Product ID Qualifiers

Code	Description
PI	Kruger product qualifier
VN	Vendor product qualifier
UP	Universal product qualifier (UPC)
MA	Manufacturer product qualifier

Example

POC*12*125*PC**523.26*PI*38080*VN*836TT*UP*123456789
012*MA*487455

PID – Product Description (Optional)

Loop: maximum 5 iterations

Product textual description

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
PID01	349	Item Description Type	M	ID	01/01	« F » by default
PID05	352	Description	X	AN	01/80	

Example

PID*F***Pressure switch

MEA – Measure (Optional)

Loop: maximum 10 iterations

To specify physical measurements or counts, dimension, tolerances, variances and weights

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
MEA01	737	Measure	O	ID	02/02	(density, PH, absorbance, temperature, etc) see Appendix 5
MEA02	738	Measure qualifier	O	ID	01/03	See Appendix 6
MEA03	739	Value	X	R	01/20	
MEA05	740	Minimum value	X	R	01/20	
MEA06	741	Maximum value	X	R	01/20	

Example

MEA*AD*CC*25*30

Temperature in Celsius between 25 et 30

REF – Reference Identification (Conditional)

Manufacturer identification

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
REF01	128	Qualifier	M	ID	02/02	Identifier
REF02	127	Reference	X	AN	01/30	Manufacturer name
REF03	352	Description	X	AN	01/80	Freeform text message

Qualifier List

Code	Description
ZN	Manufacturer

Example

REF*ZN*SQUARE D

MSG – Freeform Message (Optional)

Loop: maximum 3 iterations

Freeform message

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
MSG01	363	Text message	M	AN	01/264	Instructions

Example

MSG*The Kruger part number must appear on the packing slip

Summary

CTT – Items Total (Optional)

Contains the total number of line items and the hash total

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
CTT01	354	Total of line items	M	NO	01/06	
CTT02	347	Total hash items	O	R	01/10	

Example

CTT*20*40

AMT – Purchase Order Total Monetary Value (Mandatory)

The total monetary value of the transaction

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
AMT01	522	Qualifier	M	ID	01/03	« TT » sent by default
AMT02	782	Monetary value	M	R	01/18	

Example

AMT*TT*52326

SE – Transaction End (Mandatory)

Elem.	Ref	ANSI X.12 description	Format		Size	Comments
SE01	96	Number of included segments	M	NO	01/10	
SE02	329	Transaction number	M	AN	04/09	Same as ST_02

Example

SE*12*0001

Appendices

Appendix 1

Appendix 2

Appendix 3

Appendix 4

Appendix 5

Appendix 6