Customer EDI Guidelines

855 Purchase Order Acknowledgment

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855 Purchase Order Acknowledgment

Functional Group=PR

This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Acknowledgment Transaction Set (855) 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 a seller's acknowledgment of a buyer's purchase order. This transaction set can also be used as notification of a vendor generated order. This usage advises a buyer that a vendor has or will ship merchandise as prearranged in their partnership.

Segments:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Used
	GS	Functional Group Header	M	1			Used

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BAK	Beginning Segment for Purchase Order Acknowledgment	M	1			Must use
070	TAX	Tax Reference	O	>1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		N1/130	Used

LOOP ID - N9					1000		
280	N9	Reference Identification	O	1			Used

LOOP ID - N1					200		
300	N1	Name	O	1			Used
310	N2	Additional Name Information	O	2			Used
320	N3	Address Information	O	2			Used
330	N4	Geographic Location	O	1			Used
340	REF	Reference Identification	O	12			Used
360	FOB	F.O.B. Related Instructions	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage

LOOP ID - PO1					100000		
010	PO1	Baseline Item Data	O	1		N2/010	Used

LOOP ID - PID					1000		
050	PID	Product/Item Description	O	1			Used

LOOP ID - ACK					104		
270	ACK	Line Item Acknowledgment	O	1			Used

LOOP ID - SCH					200		
310	SCH	Line Item Schedule	O	1		N2/310	Used

LOOP ID - N9					1000		
350	N9	Reference Identification	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
030	SE	Transaction Set Trailer	M	1			Must use

Segments:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Used
	IEA	Interchange Control Trailer	M	1			Used

Notes:

1/130   If the terms are 1% 15 net 30 the mapping is
ITD*08*3*1**15**30****100.

If the terms are net 30 the mapping is
ITD*05*3*****30****100.

If the terms are pay immediately, the mapping is
ITD*05*3*****0****100.

2/010   PO102 is required.

2/310   The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

ISA   Interchange Control Header

Pos:	Max: 1
- Mandatory	
Loop: N/A	Elements: 16

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	Usage
ISA01	I01	**Authorization Information Qualifier** **Description:** Code to identify the type of information in the Authorization Information All valid standard codes are used.	M	ID	2/2	**Must use**
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 All valid standard codes are used.	M	ID	2/2	**Must use**
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 All valid standard codes are used.	M	ID	2/2	**Must use**
ISA06	I06	**Interchange Sender ID** **Description:** 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	M	AN	15/15	**Must use**
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 All valid standard codes are used.	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 All valid standard codes are used.	M	ID	1/1	**Must use**
ISA12	I11	**Interchange Control Version Number**	M	ID	5/5	**Must**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: This version number covers the interchange control segments				use
		All valid standard codes are used.				
ISA13	I12	**Interchange Control Number**	M	N0	9/9	**Must** use
		Description: A control number assigned by the interchange sender				
ISA14	I13	**Acknowledgment Requested**	M	ID	1/1	**Must** use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		All valid standard codes are used.				
ISA15	I14	**Usage Indicator**	M	ID	1/1	**Must** use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		All valid standard codes are used.				
ISA16	I15	**Component Element Separator**	M		1/1	**Must** use
		Description: 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
- Mandatory	
Loop: N/A	Elements: 8

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	**479**	**Functional Identifier Code** **Description:** Code identifying a group of application related transaction sets All valid standard codes are used.	**M**	**ID**	**2/2**	**Must use**
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 sender	**M**	**N0**	**1/9**	**Must use**
GS07	**455**	**Responsible Agency Code** **Description:** Code used in conjunction with Data Element 480 to identify the issuer of the standard All valid standard codes are used.	**M**	**ID**	**1/2**	**Must use**
GS08	**480**	**Version / Release / Industry Identifier Code** **Description:** 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 All valid standard codes are used.	**M**	**AN**	**1/12**	**Must use**

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.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST   Transaction Set Header

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	**Must use**
		Description: Code uniquely identifying a Transaction Set				
		Value: 855 PO Acknowledgment				

Code	Name
855	PO Acknowledgment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	**Must use**
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BAK Beginning Segment for Purchase Order Acknowledgment

<div style="border:1px solid black">

Pos: 020   **Max: 1**
Heading - Mandatory
Loop: N/A   **Elements: 7**

</div>

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK01	353	**Transaction Set Purpose Code**	M	ID	2/2	**Must use**

Description: Code identifying purpose of transaction set.

EDI mapping:

BAK01 = 00.

Code	Name
00	Original
06	Confirmation

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK02	587	**Acknowledgment Type**	M	ID	2/2	**Must use**

Description: Code specifying the type of acknowledgment.

EDI mapping:

If E1EDK01-ACTION = 000, BAK02 = AD
ELSEIF E1EDK01-ACTION = 002, 003, or 004, BAK02 = AC.

Code	Name
AC	Acknowledge - With Detail and Change
AD	Acknowledge - With Detail, No Change
AH	Acknowledge - Hold Status

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK03	324	**Purchase Order Number**	M	AN	1/22	**Must use**

Description: Identifying number for Purchase Order assigned by the orderer/purchaser.

EDI mapping:

When E1EDK02-QUALF = 001, BAK03 = E1EDK02-BELNR.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK04	373	**Date**	M	DT	8/8	**Must use**

Description: Date expressed as CCYYMMDD.

EDI mapping:

When E1EDK03-IDDAT = 022, BAK04 = E1EDK03-DATUM.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK06	326	**Request Reference Number**	O	AN	1/45	Used

Description: Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).

EDI mapping:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		This element is not mapped from SAP.				
BAK08	127	**Reference Identification**	O	AN	1/30	**Used**

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

1 Reject completely
2 Accept with no indiciation of availability
3 Accept with availa bility
4 Header change with no availability
5 Header change with availability
6 Detail change with no availability
7 Detail change with availability
8 Header and detail change wtih no availability
9 Header adn detail change with availability

EDI mapping:

If E1EDK01-ACTION = 000, BAK08 = 3
ELSEIF E1EDK01-ACTION = 002, 003, or 004, BAK08 = 7.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BAK09	373	**Date**	O	DT	8/8	**Used**

Description: Date expressed as CCYYMMDD.

EDI mapping:

IF E1EDK03-IDDAT = 025, BAK09 = E1EDK03-DATUM.

Semantics:

1. BAK04 is the date assigned by the purchaser to purchase order.
2. BAK08 is the seller's order number.
3. BAK09 is the date assigned by the sender to the acknowledgment.

TAX   Tax Reference

<table><tr><td>Pos: 070</td><td>Max: >1</td></tr><tr><td colspan="2">Heading - Optional</td></tr><tr><td>Loop: N/A</td><td>Elements: 4</td></tr></table>

To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TAX01	325	**Tax Identification Number**	C	AN	1/20	Used

Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number.

EDI mapping:

TAX segment is not mapped from SAP.

TAX02	309	**Location Qualifier**	C	ID	1/2	Used

Description: Code identifying type of location.

EDI mapping:

TAX segment is not mapped from SAP.

Code Name
SP   State/Province

TAX03	310	**Location Identifier**	C	AN	1/30	Used

Description: Code which identifies a specific location.

EDI mapping:

TAX segment is not mapped from SAP.

TAX12	441	**Tax Exempt Code**	O	ID	1/1	Used

Description: Code identifying exemption status from sales and use tax.

EDI mapping:

TAX segment is not mapped from SAP.

Code Name
5   Exempt (Not For Resale)

Syntax:

1. TAX01 R0103 -- At least one of TAX01 or TAX03 is required.
2. TAX02 P0203 -- If either TAX02 or TAX03 are present, then the others are required.
3. TAX04 P0405 -- If either TAX04 or TAX05 are present, then the others are required.
4. TAX06 P0607 -- If either TAX06 or TAX07 are present, then the others are required.
5. TAX08 P0809 -- If either TAX08 or TAX09 are present, then the others are required.
6. TAX10 P1011 -- If either TAX10 or TAX11 are present, then the others are required.

Comments:

1. Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	**Max: 5**
Heading - Optional	
Loop: N/A	**Elements: 6**

To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	**336**	**Terms Type Code**	O	ID	2/2	Used

Description: Code identifying type of payment terms.

EDI mapping:

If E1EDK18-QUALF = 001 and E1EDK18-PRZNT > 0.000, ITD01 = 08.

If E1EDK18-QUALF = 001 and E1EDK18-PRZNT = 0.000 and
E1EDK18-TAGE = 000, ITD01 = 05.

If E1EDK18-QUALF = 001 and E1EDK18-PRZNT = 0.000 and
E1EDK18-TAGE > 000, ITD01 = 05.

Code	Name
05	Discount Not Applicable
08	Basic Discount Offered
09	Proximo

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	**333**	**Terms Basis Date Code**	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period.

EDI mapping:

If E1EDK18-QUALF = 001, ITD02 = 3.

Code	Name
3	Invoice Date
5	Invoice Receipt Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	**338**	**Terms Discount Percent**	O	R	1/6	Used

Description: Terms discount percentage, expressed as a percent, available
to the purchaser if an invoice is paid on or before the Terms Discount Due
Date.

EDI mapping:

If E1EDK18-QUALF = 001 and E1EDK18-PRZNT > 0.000, ITD03 =
E1EDK18-PRZNT.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD05	**351**	**Terms Discount Days Due**	C	N0	1/3	Used

Description: Number of days in the terms discount period by which
payment is due if terms discount is earned.

EDI mapping:

If E1EDK18-QUALF = 001 and E1EDK18-PRZNT > 0.000, ITD03 =
E1EDK18-TAGE.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD07	386	**Terms Net Days** **Description:** Number of days until total invoice amount is due (discount not applicable). EDI mapping: If E1EDK18-QUALF = 001 and E1EDK18-PRZNT = 0.000 and E1EDK18-TAGE > 000, ITD07 = E1EDK18-TAGE. If E1EDK18-QUALF = 002 and E1EDK18-TAGE = 000, ITD07 = 0. If E1EDK18-QUALF = 002 and E1EDK18-TAGE > 0, ITD07 = E1EDK18-TAGE	O	N0	1/3	Used
ITD11	342	**Percent of Invoice Payable** **Description:** Amount of invoice payable expressed in percent. EDI mapping: If E1EDK18-QUALF = 001, ITD011 = 100.	C	R	1/5	Used

Syntax:

1. ITD03 L03040513 -- If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. ITD08 L08040513 -- If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. ITD09 L091011 -- If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

N9 Reference Identification

To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	**128**	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification.	**M**	**ID**	**2/3**	**Must use**

EDI mapping:

N9 segment is not being mapped from SAP.

Code **Name**
TD   Reason for Change

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N903	**369**	**Free-form Description** **Description:** Free-form descriptive text.	**C**	**AN**	**1/45**	**Used**

EDI mapping:

N9 segment is not being mapped from SAP.

Syntax:

1. N902 R0203 -- At least one of N902 or N903 is required.
2. N906 C0605 -- If N906 is present, then N905 is required

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

N1   **Name**

Pos: 300   **Max: 1**
Heading - Optional
Loop: N1   **Elements: 4**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	**Must use**

Description: Code identifying an organizational entity, a physical location, property or an individual.

EDI mapping:

SF is mapped from Delivering plant in SAP.

SE is hardcoded in map. The N1-N4 loop is:
N1*SE*ELECTROMOTIVE DIV GMC*HK01
N3*P.O. Box 430
N4*LA GRANGE*IL*60525

Translate E1EDKA1-PARVW using synonym table, N101 = translation.
SAP AG is mapped to BY.
SAP RE is mapped to BT.
SAP WE is mapped to ST.

Code	Name
BT	Bill-to-Party
BY	Buying Party (Purchaser)
SE	Selling Party
SF	Ship From
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	C	AN	1/60	Used

Description: Free-form name.

N102 = E1EDKA1-NAME1.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67).

EDI mapping:

If external customer number exists (E1EDKA1-LIFNR), N103 = 92.
else
N103 = 91.

Code	Name
91	Assigned by Seller or Seller's Agent
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/80	Used

Description: Code identifying a party or other code.

Ref	Id	Element Name	Req	Type	Min/Max	Usage

EDI mapping:

If external customer number exists (E1EDKA1-LIFNR), N104 =
E1EDKA1-LIFNR
else
N104 = E1EDKA1-PARTN.

Syntax:

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

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2   Additional Name Information

Pos: 310   Max: 2
Heading - Optional
Loop: N1   Elements: 2

To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name** **Description:** Free-form name. EDI mapping: N201 = E1EDKA1-NAME2.	M	AN	1/60	Must use
N202	93	**Name** **Description:** Free-form name. EDI mapping: N202 = E1EDKA1-NAME3.	O	AN	1/60	Used

N3 Address Information

Pos: 320   Max: 2
Heading - Optional
Loop: N1   Elements: 2

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information** **Description:** Address information. EDI mapping: N301 = E1EDKA1-STRAS.	M	AN	1/55	Must use
N302	166	**Address Information** **Description:** Address information. EDI mapping: N302 = E1EDKA1-STRS2.	O	AN	1/55	Used

					Pos: 330	Max: 1

N4   Geographic Location

Pos: 330   Max: 1
Heading - Optional
Loop: N1   Elements: 4

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name.

EDI mapping:

N401 = E1EDKA1-ORT01.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency.

EDI mapping:

N402 = E1EDKA1-REGIO.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States).

EDI mapping:

N403 = E1EDKA1-PSTLZ.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country.

EDI mapping:

N404 = E1EDKA1-LAND1.

Syntax:

1. N406 C0605 -- If N406 is present, then N405 is required

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

REF   Reference Identification

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification.	M	ID	2/3	Must use

EDI mapping:

REF segment is not mapped from SAP.

Code Name
ST   Store Number

| REF02 | 127 | **Reference Identification**
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier. | C | AN | 1/30 | Used |

EDI mapping:

REF segment is not mapped from SAP.

Syntax:

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

Semantics:

1. REF04 contains data relating to the value cited in REF02.

FOB   F.O.B. Related Instructions

Pos: 360   Max: 1
Heading - Optional
Loop: N1   Elements: 3

To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	**Must use**

Description: Code identifying payment terms for transportation charges.

EDI mapping:

Translate E1EDK17-LKTEXT using generic synonym table 'fob'. FOB01
= translation. Values are CC or PP.

Code   Name
CC   Collect
DF   Defined by Buyer and Seller
PC   Prepaid but Charged to Customer
PP   Prepaid (by Seller)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB06	309	**Location Qualifier**	C	ID	1/2	**Used**

Description: Code identifying type of location.

EDI mapping:

FOB06 = OR.

Code   Name
OR   Origin (Shipping Point)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB07	352	**Description**	O	AN	1/80	**Used**

Description: A free-form description to clarify the related data elements
and their content.

EDI mapping:

FOB07 = ORIGIN.

Syntax:

1. FOB03 C0302 -- If FOB03 is present, then FOB02 is required
2. FOB04 C0405 -- If FOB04 is present, then FOB05 is required
3. FOB07 C0706 -- If FOB07 is present, then FOB06 is required
4. FOB08 C0809 -- If FOB08 is present, then FOB09 is required

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

PO1 Baseline Item Data

Pos: 010   **Max: 1**
Detail - Optional
Loop: PO1   **Elements: 11**

To specify basic and most frequently used line item data

***Note: The line item loop is only written when the line item from the IDoc is NOT a used core (when E1EDP01-MATKL <> L1009).

***Note: The line item loop is only written when the line item from the IDoc is NOT a subitem (when E1EDP01-UEPOS is blank).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set.

This code identifies the purchaser's line number as shown on the Purchase Order. If the purchaser's line number was not on the Purchase order, GMLG's line number is used.

EDI mapping:

If E1EDP02-QUALF = 001, PO101 = E1EDP02-ZEILE.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	330	**Quantity Ordered**	C	R	1/15	Used

Description: Quantity ordered.

EDI mapping:

PO102 = E1EDP01-MENGE.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	C	R	1/17	Used

Description: Price per unit of product, service, commodity, etc.

EDI mapping:

PO104 = E1EDP01-VPREI.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO105	639	**Basis of Unit Price Code**	O	ID	2/2	Used

Description: Code identifying the type of unit price for an item.

EDI mapping:

This element is not mapped from SAP.
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO106	235	**Product/Service ID Qualifier**	C	ID	2/2	Used

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

EDI mapping:

If E1EDP19-QUALF = 002, PO106 = VP.

Code Name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		MF Manufacturer PI Purchaser's Item Code PL Purchaser's Order Line Number VP Vendor's (Seller's) Part Number				

PO107   **234**   **Product/Service ID**   C   AN   1/48   Used

Description: Identifying number for a product or service.

EDI mapping:

If E1EDP19-QUALF = 002, PO107 = E1EDP19-IDTNR.

PO108   **235**   **Product/Service ID Qualifier**   C   ID   2/2   Used

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

EDI mapping:

If E1EDP19-QUALF = 001, PO110 = PL.

Code **Name**
MF   Manufacturer
PI   Purchaser's Item Code
PL   Purchaser's Order Line Number
VP   Vendor's (Seller's) Part Number

PO109   **234**   **Product/Service ID**   C   AN   1/48   Used

Description: Identifying number for a product or service.
If the purchaser's line number was not on the Purchase order, GMLG's line number is used.

EDI mapping:

If E1EDP19-QUALF = 001, PO111 = E1EDP02-ZEILE.

PO110   **235**   **Product/Service ID Qualifier**   C   ID   2/2   Used

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

EDI mapping:

If E1EDP19-QUALF = 001, PO108 = PI.

Code **Name**
MF   Manufacturer
PI   Purchaser's Item Code
PL   Purchaser's Order Line Number
VP   Vendor's (Seller's) Part Number

PO111   **234**   **Product/Service ID**   C   AN   1/48   Used

Description: Identifying number for a product or service.

EDI mapping:

If E1EDP19-QUALF = 001, PO109 = E1EDP19-IDTNR.

Syntax:

1. PO103 C0302 -- If PO103 is present, then PO102 is required
2. PO105 C0504 -- If PO105 is present, then PO104 is required
3. PO106 P0607 -- If either PO106 or PO107 are present, then the others are required.
4. PO108 P0809 -- If either PO108 or PO109 are present, then the others are required.
5. PO110 P1011 -- If either PO110 or PO111 are present, then the others are required.
6. PO112 P1213 -- If either PO112 or PO113 are present, then the others are required.
7. PO114 P1415 -- If either PO114 or PO115 are present, then the others are required.
8. PO116 P1617 -- If either PO116 or PO117 are present, then the others are required.
9. PO118 P1819 -- If either PO118 or PO119 are present, then the others are required.
10. PO120 P2021 -- If either PO120 or PO121 are present, then the others are required.
11. PO122 P2223 -- If either PO122 or PO123 are present, then the others are required.
12. PO124 P2425 -- If either PO124 or PO125 are present, then the others are required.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. PO101 is the line item identification.
3. PO106 through PO125 provide for ten different product/service IDs per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

PID   Product/Item Description

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

***Note: The line item loop is only written when the line item from the IDoc is NOT a used core (when E1EDP01-MATKL <> L1009).

***Note: The line item loop is only written when the line item from the IDoc is NOT a subitem (when E1EDP01-UEPOS is blank).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type** **Description:** Code indicating the format of a description. EDI mapping: If E1EDP19-QUALF = 002 and data found in E1EDP10-KTEXT, PID01 = F.	M	ID	1/1	**Must use**
		Code Name F Free-form				
PID05	352	**Description** **Description:** A free-form description to clarify the related data elements and their content. EDI mapping: If E1EDP19-QUALF = 002 and data found in E1EDP10-KTEXT, PID05 = E1EDP10-KTEXT.	C	AN	1/80	**Used**

Syntax:

1. PID04 C0403 -- If PID04 is present, then PID03 is required
2. PID04 R0405 -- At least one of PID04 or PID05 is required.
3. PID07 C0703 -- If PID07 is present, then PID03 is required
4. PID08 C0804 -- If PID08 is present, then PID04 is required
5. PID09 C0905 -- If PID09 is present, then PID05 is required

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

ACK   Line Item Acknowledgment

Pos: 270	**Max: 1**
Detail - Optional	
Loop: ACK	**Elements: 4**

To acknowledge the ordered quantities and specify the ready date for a specific line item

***Note: The line item loop is only written when the line item from the IDoc is NOT a used core (when E1EDP01-MATKL <> L1009).

***Note: The line item loop is only written when the line item from the IDoc is NOT a subitem (when E1EDP01-UEPOS is blank).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK01	668	**Line Item Status Code**	M	ID	2/2	**Must use**

Description: Code specifying the action taken by the seller on a line item requested by the buyer.

EDI mapping:

ACK segment is not being mapped from SAP.

Code	Name
AR	Item Accepted and Released for Shipment
IB	Item Backordered

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK02	380	**Quantity**	C	R	1/15	Used

Description: Numeric value of quantity.

EDI mapping:

ACK segment is not being mapped from SAP.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK03	355	**Unit or Basis for Measurement Code**	C	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.

EDI mapping:

ACK segment is not being mapped from SAP.
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ACK06	326	**Request Reference Number**	O	AN	1/45	Used

Description: Reference number or RFQ number to use to identify a particular transaction set and query (additional reference number or description which can be used with contract number).

EDI mapping:

ACK segment is not being mapped from SAP.

Syntax:

1. ACK02 P0203 -- If either ACK02 or ACK03 are present, then the others are required.
2. ACK04 C0405 -- If ACK04 is present, then ACK05 is required
3. ACK07 P0708 -- If either ACK07 or ACK08 are present, then the others are required.
4. ACK09 P0910 -- If either ACK09 or ACK10 are present, then the others are required.
5. ACK11 P1112 -- If either ACK11 or ACK12 are present, then the others are required.
6. ACK13 P1314 -- If either ACK13 or ACK14 are present, then the others are required.

7. ACK15 P1516 -- If either ACK15 or ACK16 are present, then the others are required.
8. ACK17 P1718 -- If either ACK17 or ACK18 are present, then the others are required.
9. ACK19 P1920 -- If either ACK19 or ACK20 are present, then the others are required.
10. ACK21 P2122 -- If either ACK21 or ACK22 are present, then the others are required.
11. ACK23 P2324 -- If either ACK23 or ACK24 are present, then the others are required.
12. ACK25 P2526 -- If either ACK25 or ACK26 are present, then the others are required.
13. ACK27 P2728 -- If either ACK27 or ACK28 are present, then the others are required.
14. ACK28 C282729 -- If 28 is present, then ACK27 and ACK29 are required.

Semantics:

1. ACK29 Industry Reason Code may be used to identify the item status. In addition, it may be used in conjunction with ACK01 to further clarify the status.

SCH   Line Item Schedule

Pos: 310   Max: 1
Detail - Optional
Loop: SCH   Elements: 4

To specify the data for scheduling a specific line-item

***Note: The line item loop is only written when the line item from the IDoc is NOT a used core (when E1EDP01-MATKL <> L1009).

***Note: The line item loop is only written when the line item from the IDoc is NOT a subitem (when E1EDP01-UEPOS is blank).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH01	380	**Quantity** **Description:** Numeric value of quantity. EDI mapping: When data found in E1EDP20-WMENG, SCH01 = E1EDP20-WMENG.	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. EDI mapping: When data found in E1EDP20-WMENG, SCH02 = E1EDP01-MENEE. All valid standard codes are used.	M	ID	2/2	Must use
SCH05	374	**Date/Time Qualifier** **Description:** Code specifying type of date or time, or both date and time. EDI mapping: When data found in E1EDP20-WMENG, SCH05 = '079' (Promised for Shipment).	M	ID	3/3	Must use

     Code   **Name**
     079   Promised for Shipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SCH06	373	**Date** **Description:** Date expressed as CCYYMMDD. EDI mapping: When data found in E1EDP20-WMENG, SCH06 = E1EDP20-EDATU.	M	DT	8/8	Must use

Syntax:

1. SCH03 C0304 -- If SCH03 is present, then SCH04 is required
2. SCH08 L080910 -- If SCH08 is present, then at least one of SCH09 or SCH10 is required.
3. SCH09 C0908 -- If SCH09 is present, then SCH08 is required
4. SCH10 C1008 -- If SCH10 is present, then SCH08 is required

Semantics:

1. SCH12 is the schedule identification.

Comments:

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

N9   Reference Identification

Pos: 350   **Max: 1**
Detail - Optional
Loop: N9   **Elements: 2**

To transmit identifying information as specified by the Reference Identification Qualifier
***Note: The line item loop is only written when the line item from the IDoc is NOT a used core (when E1EDP01-MATKL <> L1009).
***Note: The line item loop is only written when the line item from the IDoc is NOT a subitem (when E1EDP01-UEPOS is blank).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification.	M	ID	2/3	Must use

EDI mapping:

N9 segment is not mapped.

Code	Name
TD	Reason for Change

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N903	369	**Free-form Description** **Description:** Free-form descriptive text.	C	AN	1/45	Used

EDI mapping:

N9 segment is not mapped.

Syntax:

1. N902 R0203 -- At least one of N902 or N903 is required.
2. N906 C0605 -- If N906 is present, then N905 is required

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

SE   Transaction Set Trailer

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

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	Usage
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**

Comments:

1. SE is the last segment of each transaction set.

GE   Functional Group Trailer

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

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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**

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.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA   Interchange Control Trailer

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

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	Usage
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**