

LBMX EDI - ELECTRONIC DATA INTERCHANGE
855 (PURCHASE ORDER ACKNOWLEDGEMENT: POA)
SPECIFICATIONS

ANSI X12 V4010

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Summary of Changes

| Date | NAME | Section | Description of Change | Reason for Change |
|------------|------|---------|-----------------------|-------------------|
| 2023-10-23 | SB | TD5 | Add TD5 Segment | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Structure of This Guide

Summary of Changes

In this section, you will find the history of this document, from the day of its creation to its present state. Specifically, you will find:

- When this document was created
- Who created it
- What had been changed
- Where the changes were located
- Who changed it
- When the change was made

Structure of This Guide

In this section, you will find a high-level description of what is in each section of this guide.

Document Conventions

In this section, you will find the typographical conventions that are used in this guide. You will also learn how to interpret the Segment Specifications and other pertinent information.

Key Terms

In this section, you will find a list of key terms and their definitions. You will also find the definition of codes and acronyms used in various sections of this document.

Contact Information

In this section, you will find contact information about your Technical Contact Person at LBMX:

- Name
- Telephone Number
- Fax Number
- Email Address

Purpose of This Transaction

In this section, you will find a brief description of the business purposes of this document and how Trading Partner intends to achieve these through the use of this transaction set.

Standard and Version

In this section, you will find the Electronic Data Interchange Standards and Version of these Standards that Trading Partner supports and intends to use with our Trading Partners in Electronic Data Interchange.

Segment Summary

In this section, you will find an overview of all the segments that Trading Partner uses in this transaction set. You will find out whether these segments are mandatory or optional, and what their purposes are.

Segment Specifications

In this section, you will find a detail definition of each segment. You will find out which data elements are included in each segment, and all the necessary information regarding each element.

Sample Document

In this section, you will find a sample document of Trading Partner's Implementation of this transaction set.

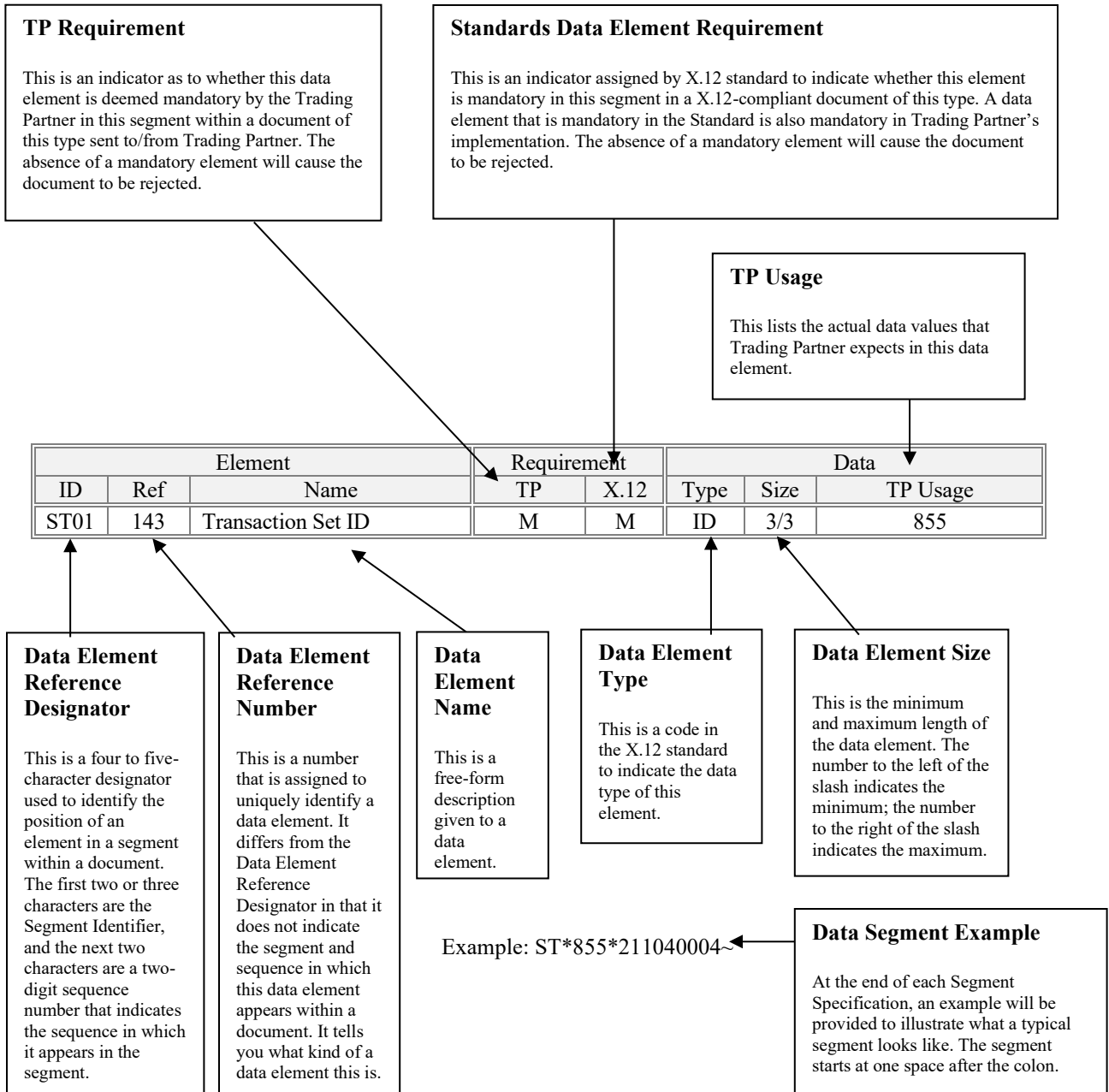
Document Conventions

Interpreting Segment Specifications

Example: ST - Transaction Set Header

Segment Identifier and Name

The Segment Identifier (ST in this case) is a two- or three-character designator that uniquely identifies a segment in the X.12 standard. The Name is a free form descriptive label assigned to the segment.



Key Terms

| | |
|---|---|
| <i>Segment Identifier</i> | Each segment has a unique identifier, usually two or three characters long. This identifier serves as a label for the data within the segment. |
| <i>Data Element Reference Designator</i> | This is a structured four or five-character designator used to identify the position of an element in a segment within a document. The first two to three characters are the Segment Identifier, and the next two characters are a two-digit sequence that indicates the sequential order in which the data element appears in the segment identified by the Segment Identifier. |
| <i>Data Element Reference Number</i> | This is a number that is assigned to uniquely identify a data element. It differs from the Data Element Reference Designator in that it does not indicate the segment and sequence in which this data element appears within a document. It indicates what kind of a data element this is. The definition of all data elements may be found in the ASC X.12 Data Dictionary. |
| <i>Data Element Name</i> | This is a free-form description given to a data element. This name is assigned by the X.12 committee and corresponds to the name that is given in the ASC X.12 Data Dictionary. |
| <i>Trading Partner Requirement Indicator</i> | <p>This is an indicator assigned by Trading Partner to indicate to our Trading Partner whether a segment or a data element is mandatory in this document or segment within a document of this type sent to Trading Partner. Please note that:</p> <ul style="list-style-type: none"> ● Segments and elements that are mandatory in the X.12 standards are also mandatory by default in Trading Partner's Implementation. ● The absence of a mandatory segment or element will cause the document to be rejected. <p>The valid values of this indicator are:</p> <ul style="list-style-type: none"> ● M – This indicates that the segment or element is Mandatory ● O – This indicates that the segment or element is Optional ● C – This indicates that the segment or element is Conditionally Mandatory. If certain other segments or elements are used in the same document or segment, this segment must also be present. |
| <i>X.12 Requirement Indicator</i> | <p>ASC X.12 standard requires certain segments in a transaction set and certain elements within a segment be always present in a transmitted document, and that certain segments and elements be present should other segments and elements be present in a document. This is an indicator assigned by ASC X.12 committee to indicate whether a segment or a data element is mandatory in this document or segment within a document of this type. Please note that:</p> <ul style="list-style-type: none"> ● Segments and elements that are mandatory in the X.12 standards are also mandatory by default in Trading Partner's Implementation. ● The absence of a mandatory segment or element will cause the document to be rejected. |

The valid values of this indicator are:

- **M** – This indicates that the segment or element is Mandatory
- **O** – This indicates that the segment or element is Optional
- **C** – This indicates that the segment or element is Conditionally Mandatory. If certain other segments or elements are used in the same document or segment, this segment must also be present. For more information on the conditions governing a particular segment or element, please refer to the ASC X.12 Data Dictionary.

Data Element Type A data element can be of one of six types in ASC X.12:

| Type | Description |
|------|--|
| ID | An identifier as defined in ASC X.12 Data Dictionary |
| AN | Alphanumeric |
| DT | Date |
| Nn | Numeric with implied decimals (no decimal point appears) |
| R | Numeric with explicit decimals (decimal point appears) |
| TM | Time |

Data Element Size All data elements are assigned a minimum and maximum length.

Example: 3/3

This indicates the minimum and maximum length of the data element. The number to the left of the slash indicates the minimum length; the number to the right of the slash indicates the maximum length.

In this example, it indicates that the data element has a minimum length of 3 and a maximum length of 3. That is, it is required to be of length 3.

TP Usage This is a list of values of what Trading Partner is expecting to receive or send in a particular data element. A brief description or definition is attached where appropriate.

Data Segment Example This is an example showing how a particular segment can be used in a transaction.

Contact Information

LBMX Technical Contact

| | |
|----------|-----------------|
| Name | LBMX EDI Team |
| Phone | 1.877.429.5269 |
| Email | support@lbm.com |
| Web Site | www.lbm.com |

Purpose of This Transaction

The 855 transaction is used to confirm a vendor's ability to fulfill a recently received Purchase Order. This document will confirm product pricing, quantities, and fulfillment dates for each item originally sent on the PO.

Standard and Version

Preferred Standard and Version

| Standard | Version |
|----------|---------|
| X.12 | 004010 |

Also Supports

| Standard | Version |
|----------|---------|
| | |

Notes

Segment Summary

Overview of Segments

| Segment | | Requirement | | Data | |
|---------|--|-------------|------|------------|---|
| ID | Name | TP | X.12 | Loop Level | Purpose |
| ISA | Interchange Control Header | M | M | | Interchange begin envelope to identify sending/receiving parties; control numbers, standard, version and security information for groups of transactions. |
| GS | Functional Group Header | M | M | | Indicates the beginning of a group of transactions and provides control information |
| ST | Transaction Set Header | M | M | | Indicates the start of a transaction set and to assign a control number |
| BAK | Beginning Segment for POA | M | M | | Indicate the beginning of the purchase order transaction set and transmit identifying numbers and dates |
| CUR | Currency | O | O | | Identify the currency in which the dollar values are stated |
| REF | Reference Identification | C | O | | To specify identifying information |
| PER | Administrative Communications Contacts | O | O | | Identifies the Buyer and/or Receiving Party contact information |
| DTM | Date Time Reference | M | O | | Specify pertinent dates and times |
| TD5 | Carrier Routing | O | O | | To transmit routing sequence and transit expectations |
| N9 | Reference Identification | O | O | | To transmit identifying information as specified by the Reference Identification Qualifier |
| MSG | Message Text | O | O | | To provide a free-form format that allows the transmission of text information |
| N1 | Name | M | O | | Identify a party by type of organization name and code. |
| N3 | Address Information | M | O | | Identify the street address information |
| N4 | Geographic Location | M | O | | Identify the City, Province, Postal Code and Country |
| PO1 | Baseline Item Data | M | M | 1 | Specify basic and most frequently used line item data |
| PID | Product Item Description | M | O | | Includes the Product Description |
| PO4 | Item Physical Details | O | O | | Identifies item physical data such as Pack, Size, Weight, Volume and dimension data |
| ACK | Line Item Acknowledgement | M | O | | To acknowledge the ordered quantities and specify the ready date for a specific line item |
| N9 | Reference Identification | O | O | | To transmit identifying information as specified by the Reference Identification Qualifier |
| MSG | Message Text | O | O | | To provide a free-form format that allows the transmission of text information |
| CTT | Transaction Totals | M | M | | Transmit a hash total for a specific element in the transaction set |
| SE | Transaction Set Trailer | M | M | | Indicate the end of the transaction set and provide the count of the transmitted segments |
| GE | Functional Group Trailer | M | M | | Indicates the ending of a group of transactions |
| IEA | Interchange Control Trailer | M | M | | Indicates the end of the interchange |

Segment Delimiters

| Type | Name | Character | Hex | Dec |
|-----------------------|--------------|-----------|-----|-----|
| Segment Delimiter | Tilde | ~ | 7E | 126 |
| Element Separator | Asterisk | * | 2A | 42 |
| Sub-element Separator | Greater Than | > | 3E | 62 |

Segment Specifications

ISA – Interchange Header (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|-------------------------------------|-------------|----|------|-------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| ISA01 | I01 | Authorization Information Qualifier | M | M | ID | 2/2 | 00 - No Authorization Information Present |
| ISA02 | I02 | Authorization Information | M | M | AN | 10/10 | Blank |
| ISA03 | I03 | Security Information Qualifier | M | M | ID | 2/2 | 00 - No Authorization Information Present |
| ISA04 | I04 | Security Information | M | M | AN | 10/10 | Blank |
| ISA05 | I05 | Interchange ID Qualifier | M | M | ID | 2/2 | Sender Qualifier |
| ISA06 | I06 | Interchange Sender ID | M | M | AN | 15/15 | Sender ID |
| ISA07 | I05 | Interchange ID Qualifier | M | M | ID | 2/2 | TP Receiver Qualifier |
| ISA08 | I07 | Interchange Receiver ID | M | M | AN | 15/15 | TP ID |
| ISA09 | I08 | Interchange Date | M | M | DT | 6/6 | YYMMDD |
| ISA10 | I09 | Interchange Time | M | M | TM | 4/4 | HHMM |
| ISA11 | I10 | Interchange Control Standards ID | M | M | ID | 1/1 | U - U.S. EDI Community of ASC X12, TDCC, and UCS |
| ISA12 | I11 | Interchange Control Version Number | M | M | ID | 5/5 | 00401 |
| ISA13 | I12 | Interchange Control Number | M | M | N0 | 9/9 | Control number |
| ISA14 | I13 | Acknowledgment Requested | M | M | ID | 1/1 | 0 - Acknowledgment not requested |
| ISA15 | I14 | Test Indicator | M | M | ID | 1/1 | P - Production Data T - Test Data |
| ISA16 | I15 | Sub-Element Separator | M | M | AN | 1/1 | > |

Example:

```
ISA*00*      *00*      *ZZ*SENDERID  *ZZ*RECEIVERID
*200521*1556*U*00401*000001011*0*P*>~
```

GS – Functional Group Header (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|-----------------------------------|-------------|----|------|------|--|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| GS01 | 479 | Functional Identifier Code | M | M | ID | 2/2 | PR - PO Acknowledgement |
| GS02 | 142 | Application Sender's Code | M | M | AN | 2/15 | TP ID |
| GS03 | 124 | Application Receiver's Code | M | M | AN | 2/15 | Trading Partner's Receiver ID |
| GS04 | 373 | Date | M | M | DT | 8/8 | CCYYMMDD |
| GS05 | 337 | Time | M | M | TM | 4/8 | HHMM |
| GS06 | 28 | Group Control Number | M | M | N0 | 1/9 | Control Number |
| GS07 | 455 | Responsible Agency Code | M | M | ID | 1/2 | X - Accredited Standard Committee X12 |
| GS08 | 480 | Version/Release/ Industry ID Code | M | M | AN | 1/12 | 004010 |

Example:

GS*PR*SENDERID*RECEIVERID*20200521*1556*101*X*004010~

ST – Transaction Set Header (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|---------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| ST01 | 143 | Transaction Set Identifier Code | M | M | ID | 3/3 | 855 |
| ST02 | 329 | Transaction Set Control Number | M | M | AN | 4/9 | A unique ID identifying a transaction set generated for a trading partner |

Example:

ST*855*0001~

BAK – Beginning Segment for Purchase Order Acknowledgement (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| BAK01 | 353 | Transaction Set Purpose Code | M | M | ID | 2/2 | 00 - Original |
| BAK02 | 587 | Acknowledgement Type | M | M | ID | 2/2 | AC - With Detail and Change AD - With Detail No Change RJ - Rejected, No Detail AP - Product Replenishment |
| BAK03 | 324 | Purchase Order Number | M | M | AN | 1/22 | |
| BAK04 | 373 | Purchase Order Date | M | M | DT | 8/8 | CCYYMMDD |
| BAK05 | 328 | Release Number | O | O | AN | 1/30 | |

Example:

BAK*00*AC*12345678*20200315~

Notes:

CUR – Currency (Optional)

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|------|--------------------------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| CUR01 | 98 | Entity Identifier Code | M | M | ID | 2/3 | BG - Buying Group |
| CUR02 | 100 | Currency Code | M | M | ID | 3/3 | See Note CUR02 |

Example:

CUR*BG*CAD~

Notes:

You must return the 855 in the same currency the purchaser order was received in.

CUR02: A list of supported currency codes

| Code | Description |
|------|--------------------|
| AUS | Australia Dollar |
| CAD | Canadian Dollar |
| EUR | Euros |
| GBP | British Pounds |
| MXP | Mexican Peso |
| NZD | New Zealand Dollar |
| USD | US Dollar |

REF – Reference Identification (Conditional)

| Element | | | Requirement | | Data | | |
|---------|-----|---|-------------|----|------|------|--|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| REF01 | 128 | Reference Identification Code Qualifier | C | M | ID | 2/3 | OQ – Customer’s Order Number IL – Supplier’s Order Number |
| REF02 | 127 | Reference Identification | C | M | AN | 1/30 | OQ – Customer’s Order Number IL – Supplier’s Order Number |

Example:

REF*OQ*5006183~

REF*IL*92158526~

Notes:

Customer’s Order Number (REF*OQ) is mandatory when REF*OQ was received on the Purchase Order; otherwise, this field is optional

PER – Administrative Communications Contact (Optional)

| Element | | | Requirement | | Data | | |
|---------|-----|--------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| PER01 | 366 | Contact Function Code | M | M | ID | 2/2 | See Note PER01 |
| PER02 | 93 | Name | O | M | AN | 1/60 | |
| PER03 | 365 | Communication Number Qualifier | O | O | ID | 2/2 | TE - Telephone FX - Fax EM - Email |
| PER04 | 364 | Communication Number | C | C | AN | 1/80 | TE - Telephone FX - Fax EM - Email |
| PER05 | 365 | Communication Number Qualifier | O | O | ID | 2/2 | TE - Telephone FX - Fax EM - Email |
| PER06 | 364 | Communication Number | C | C | AN | 1/80 | TE - Telephone FX - Fax EM - Email |
| PER07 | 365 | Communication Number Qualifier | O | O | ID | 2/2 | TE - Telephone FX - Fax EM - Email |
| PER08 | 364 | Communication Number | C | C | AN | 1/80 | TE - Telephone FX - Fax EM - Email |

Example:

PER*BD*BuyerName*TE*1112223333*FX*1112224444*EM*contactemail@buyer.com~

PER*BD*BuyerName*EM*contactemail@buyer.com

Notes:

PER01: Administrative Communications Contact used by Trading Partner

| Qualifier | Description | Usage |
|-----------|-------------------|--|
| BD | Buyer Name | Buying Party Contact Person or Department |
| RE | Receiving Contact | Receiving Party Contact Person or Department |

PER04/PER06/PER08 values are not fixed position values. The preceding qualifier in PER03/PER05/PER07 will denote the type of contact information being sent in the related position.

DTM – Date Time Reference (Mandatory) - *max 2 iterations*

| Element | | | Requirement | | Data | | |
|---------|-----|---------------------|-------------|----|------|------|----------------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| DTM01 | 374 | Date Time Qualifier | M | M | ID | 3/3 | See Note DTM01 |
| DTM02 | 373 | Date | C | M | DT | 8/8 | CCYYMMDD |

Example:

DTM*010*20200322~

DTM*017*20200325~

Notes:

DTM01: Date Qualifier used by Trading Partner

| Qualifier | Description | Usage |
|-----------|--------------------|---|
| 010 | Requested Ship | The date which the Buyer requests the order be shipped. This DTM segment is mandatory. |
| 017 | Estimated Delivery | The date which the supplier expects the goods to arrive at the ship to location. |

TD5 – Carrier Details - Routing Sequence/Transit Time (Optional)

| Element | | | Requirement | | Data | | |
|---------|-----|---------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| TD502 | 66 | Identification Code Qualifier | O | O | ID | 1/2 | 2 – SCAC Code 25 – Carrier’s Customer Code |
| TD503 | 67 | Identification Code | C | C | AN | 2/80 | (2) Standard Carrier Alpha Code (SCAC) (25) Carrier Account Number |
| TD504 | 91 | Transportation Method/Type Code | C | C | ID | 1/2 | Method of Transport (See Note TD504) |
| TD505 | 387 | Routing | C | C | AN | 1/35 | Free-form description of carrier |
| TD512 | 284 | Service Level Code | C | O | ID | 2/2 | Code describing requested level of service (See Note TD512) |

Example:

Basic - TD5*****Best Way~

SCAC Code - TD5**2*SDCR*M*Sameday Ground*****SA~

Carrier Account Number - TD5**25*998755690*MP*FEDEX*****G2~

Notes:

If TD502 is present, then TD503 is required.

Two TD5 segments will be sent if both an SCAC code and Carrier Account Number are present.

TD504: Transportation Method/Type Code

TD512: Service Level Code

| Code | Description |
|------|------------------------------|
| AE | Air Express |
| C | Consolidation |
| FL | Motor (Flatbed) |
| H | Customer Pick Up |
| K | Backhaul |
| L | Contract Carrier |
| LT | Less than Trailer Load (LTL) |
| M | Motor (Common Carrier) |
| MP | Motor (Package Carrier) |
| R | Rail |
| RC | Rail, Les than Carload |
| SR | Supplier Truck |
| T | Best Way (Shipper’s Option) |
| U | Private Parcel Service |

| Code | Description |
|------|--|
| 3D | Three Day Service |
| AM | A.M. Service |
| DC | Delivery Confirmation |
| DS | Door Service |
| ES | Expediated Service |
| ET | Proof of Delivery (POD) with Signature |
| FC | First Class |
| G2 | Standard Service |
| ND | Next Day Air |
| NM | Next Morning |
| ON | Overnight |
| PB | Priority Mail |
| PI | Priority Mail Insured |
| PM | P.M. Service |
| SA | Same Day |
| SD | Saturday Service |
| SE | Second Day |

N9 – Reference Identification (Optional)

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|------|------------------------------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| N901 | 128 | Reference ID Qualifier | O | O | ID | 2/3 | ZZ - Mutually Defined |
| N903 | 369 | Free-Form Description | C | C | AN | 1/45 | POA NOTES |

Example:

N9*ZZ**POA NOTES

MSG – Message Text (Optional) - *max 10 iterations*

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|-------|----------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| MSG01 | 933 | Free-Form Message Text | O | M | ID | 1/264 | |

Example:

MSG*THIS ORDER MAY NOT BE CANCELLED ONCE THIS DOCUMENT IS RECEIVED.

N1 – Name (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|------|--|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| N101 | 98 | Entity Identifier Code | M | M | ID | 2/3 | SU - Supplier OB - Ordered By BT - Bill To ST - Ship To |
| N102 | 93 | Name | C | M | AN | 1/60 | Company Name |
| N103 | 66 | ID Code Qualifier | C | M | ID | 1/ 2 | 92 - Assigned by Buyer/ Buyer's Agent |
| N104 | 67 | ID Code | C | M | AN | 2/80 | SU - TP's A/P Vendor # for supplier OB - Ordered By Store # BT - not applicable ST - Ship To Store # |

Example:

N1*SU*Vendor Company Name*92*1234~
 N1*OB*Ordered By Name*92*1234~
 N1*BT*Bill To Name~
 N1*ST*Ship To Name*92*1234~

Notes:

Trading Partner's Internal Vendor Number for your company will be communicated to you by your Trading Partner.

All four N1 loops and associated N3, and N4 segments are mandatory.

If you are billing a central bill group, the N1*BT loop should reflect the buying group.

If you are billing a direct bill group, the N1*BT loop should reflect the payer/member.

DROP SHIPMENTS - when sending a Purchase Order Acknowledgement for products that will be drop shipped, please send the physical drop ship address in the Ship To loop (N1*ST) and the store number through which the product was ordered through in N104 of the N1*ST loop. This will ensure the document is correctly routed.

N3 – Address Information (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|---------------------|-------------|----|------|------|------------------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| N301 | 166 | Address Information | M | M | AN | 1/55 | Street Address 1 |
| N302 | 166 | Address Information | O | O | AN | 1/55 | Street Address 2 |

Example:

N3*1440 VENDOR ADDRESS 1*VENDOR ADDRESS 2~

N4 – Geographic Location (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|------|--|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| N401 | 19 | City Name | O | M | AN | 2/30 | |
| N402 | 156 | State or Province Code | O | M | ID | 2 | |
| N403 | 116 | Postal Code | O | M | ID | 3/15 | |
| N404 | 26 | Country Code | O | O | ID | 2/3 | AUS - Australia CAN - Canada CRI - Costa Rica GBR - United Kingdom MEX - Mexico NZL - New Zealand USA - United States |

Example:

N4*CITY*ON*A1A 2B2*CAN~

PO1 – Baseline Item Data (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|-------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| PO101 | 350 | Assigned Identification | O | M | AN | 1/20 | Line number |
| PO102 | 330 | Quantity Ordered | C | M | R | 1/15 | |
| PO103 | 355 | Unit or Basis for Measurement | O | M | ID | 2/2 | |
| PO104 | 212 | Unit Price | C | C | R | 1/17 | |
| PO106 | 235 | Product Service ID Qualifier | C | C | ID | 2/2 | VP - Vendor's Part Number BP - Buyer's Part Number UP - UPC Code |
| PO107 | 234 | Product Service ID | C | C | AN | 1/48 | VP - Vendor's Part Number BP - Buyer's Part Number UP - UPC Code |
| PO108 | 235 | Product Service ID Qualifier | C | C | ID | 2/2 | VP - Vendor's Part Number BP - Buyer's Part Number UP - UPC Code |
| PO109 | 234 | Product Service ID | C | C | AN | 1/48 | VP - Vendor's Part Number BP - Buyer's Part Number UP - UPC Code |
| PO110 | 235 | Product Service ID Qualifier | C | C | ID | 2/2 | VP - Vendor's Part Number BP - Buyer's Part Number UP - UPC Code |
| PO111 | 234 | Product Service ID | C | C | AN | 1/48 | VP - Vendor's Part Number BP - Buyer's Part Number UP - UPC Code |

Example:

```
PO1*1*15*EA*12.27**VP*12345678*BP*12121*UP*123456789012345~
PO1*1*15*EA*12.27**VP*1234567~
PO1*1*15*EA*12.27**BP*12345678*VP*12121
```

Notes:

Vendor Part Number (VN) is mandatory on all Purchase Order Acknowledgments

Line numbers (PO101) should match what was received on the PO.
Unit of Measure (PO103) should match what was received on the PO.

PO107/PO109/PO111 are not fixed position values. The preceding qualifier in PO106/PO108/PO110 will denote the type of product information being sent in the related position.

PID – Product Item Description (Mandatory) - *max 10 iterations*

| Element | | | Requirement | | Data | | |
|---------|-----|-----------------------|-------------|----|------|------|-----------------------------------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| PID01 | 349 | Item Description Type | M | M | ID | 1/1 | F - Free Form |
| PID05 | 352 | Description | C | M | AN | 1/80 | Free form description of the Item |

Example:

PID*F****PRODUCT DESCRIPTION~

PO4 – Item Physical Details (Optional)

| Element | | | Requirement | | Data | | |
|---------|-----|-------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| PO401 | 356 | Pack | O | O | N0 | 1/6 | The number of inner containers, or number of eaches if there are no inner containers, per outer container |
| PO402 | 357 | Size | O | O | R | 1/8 | Size of supplier units in pack |
| PO403 | 355 | Unit or Basis for Measurement | C | C | ID | 2/2 | |
| PO406 | 384 | Gross Weight per Pack | C | C | R | 1/9 | |
| PO407 | 355 | Unit or Basis for Measurement | C | C | ID | 2/2 | LB - Pound KG - Kilogram |
| PO408 | 385 | Gross Volume per Pack | C | C | R | 1/9 | |
| PO409 | 355 | Unit or Basis for Measurement | C | C | ID | 2/2 | SF - Square Foot SM - Square Meter |
| PO410 | 82 | Length | C | C | R | 1/8 | |
| PO411 | 189 | Width | C | C | R | 1/8 | |
| PO412 | 65 | Height | C | C | R | 1/8 | |
| PO413 | 355 | Unit or Basis for Measurement | C | C | ID | 2/2 | IN - Inch MM - Millimeter |

Example:

PO4*12*1*EA~

ACK – Line Item Acknowledgement (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|-------------------------------|-------------|----|------|------|---|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| ACK01 | 668 | Line Item Status Code | M | M | ID | 2/2 | See Note ACK01 |
| ACK02 | 380 | Quantity | C | M | R | 1/15 | |
| ACK03 | 355 | Unit or Basis for Measurement | C | M | ID | 2/2 | |
| ACK04 | 374 | Date/Time Qualifier | C | C | ID | 3/3 | 068 - Current Schedule Ship Date 017 - Estimated Delivery Date |
| ACK05 | 373 | Date | C | C | DT | 8/8 | CCYYMMDD |

Example:

ACK*IA*15*EA~

Notes:

The sum of the ACK02 values within a line should equal PO102 (*Quantity Ordered*)

Every open item on the purchase order should be accounted for in the P.O. Acknowledgement.

ACK01: Line Item Status Code

| Qualifier | Description | Usage |
|-----------|--|---|
| IA | Item Accepted | Send accepted quantity and UOM |
| IB | Item Backordered | Send back ordered quantity, UOM and Estimated Delivery Date |
| IP | Item Accepted, Price Changed | Send accepted quantity and UOM, send revised price in PO104 |
| IR | Item Rejected (<i>any reason</i>) | Send rejected quantity and UOM |
| R2 | Item Rejected, Invalid Item Product Number | Send rejected quantity and UOM |

Shipping product complete (IA)

If the item will be shipped complete with no changes, the **IA** status is used. The Quantity (ACK02) will match the ordered quantity. *No date (ACK05) is required to be sent.*

Example: ACK*IA*15*EA

Entire order quantity backordered (IB)

IB – with the quantity backordered, and the estimated delivery date.

Example: ACK*IB*15*EA*017*20200415

Shipping Product complete, price change (IP)

IP – updated price to be reflected in associated PO104 element. No date is required to be sent.

Example: ACK*IP*15*EA

Shipping partial quantity, remainder backordered (IA, IB)

Two-line item acknowledgments are sent, as follows:

IA – with the quantity to be shipped per the purchaser’s order. No date is required to be sent.

IB – with the backordered quantity, and the estimated date for shipment (017)

**Example: ACK*IA*10*EA
ACK*IB*5*EA*017*20200415**

Shipping partial quantity, remainder canceled (IA, IR)

Two-line item acknowledgments are sent, as follows:

IA – with the quantity to be shipped per the purchaser’s order. No date is required to be sent.

IR – with the quantity to be canceled. No date is to be sent.

**Example: ACK*IA*10*EA
ACK*IR*5*EA**

Entire order quantity is rejected (IR or R2)

Send the quantity being canceled or rejected in the shipped quantity (ACK02), with a line item status code of either IR or R2. Possible reject/cancel reasons include invalid item identification or incorrect order multiples. **Every effort should be made to resolve rejected items upon receipt of the order by contacting the purchaser.**

IR – rejected item. No date is to be sent.

R2 – rejected item as product number is invalid or not know. No date is to be sent.

Example: ACK*R2*15*EA

Entire order quantity backordered (IB) with a price change (IP)

IB – with the quantity backordered, and the estimated delivery date.

IP – updated price reflected in associated PO104 element. No date is to be sent. Quantity is 0. **The sum of the ACK02 values within the segment should equal PO102 (Quantity Ordered)**

**Example: ACK*IB*15*EA*017*20200415
ACK*IP*0*EA**

ALTERNATE METHOD

**Example: ACK*IB*15*EA*017*20200415
ACK*IP**

N9 – Reference Identification (Optional)

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|------|------------------------------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| N901 | 128 | Reference ID Qualifier | O | O | ID | 2/3 | ZZ - Mutually Defined |
| N903 | 369 | Free-Form Description | C | C | AN | 1/45 | LINE NOTES |

Example:

N9*ZZ**LINE NOTES~

MSG – Message Text (Optional) - *max 10 iterations*

| Element | | | Requirement | | Data | | |
|---------|-----|------------------------|-------------|----|------|-------|----------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| MSG01 | 933 | Free-Form Message Text | O | M | ID | 1/264 | |

Example:

MSG*Please package in bubble wrap, one per box~

MSG*Mark order for client #1123938~

CTT – Transaction Totals (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|-------------------------------|-------------|----|------|------|--|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| CTT01 | 354 | Number of Line Items | M | M | N0 | 1/6 | |
| CTT02 | 347 | Hash Total | O | O | R | 1/10 | Sum of PO102 |
| CTT03 | 81 | Weight | O | O | R | 1/10 | |
| CTT04 | 355 | Unit or Basis for Measurement | C | C | ID | 2/2 | LB - Pounds KG - Kilograms |
| CTT05 | 183 | Volume | O | O | R | 1/8 | |
| CTT06 | 355 | Unit or Basis for Measurement | C | C | ID | 2/2 | SF - Square Feet SM - Square Meters |

Example:

CTT*2*15~

SE – Transaction Set Trailer (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|--------------------------------|-------------|----|------|------|----------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| SE01 | 96 | Number of Included Segments | M | M | N0 | 1/10 | |
| SE02 | 329 | Transaction Set Control Number | M | M | AN | 4/9 | |

Example:

SE*100*12321~

GE – Functional Group Trailer (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|-------------------------------------|-------------|----|------|------|----------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| GE01 | 97 | Number of Transaction Sets Included | M | M | N0 | 1/6 | |
| GE02 | 28 | Group Control Number | M | M | N0 | 1/9 | |

Example:

GE*1*101~

IEA – Interchange Control Trailer (Mandatory)

| Element | | | Requirement | | Data | | |
|---------|-----|--------------------------------------|-------------|----|------|------|----------|
| ID | Ref | Name | X.12 | TP | Type | Size | TP Usage |
| IEA01 | I16 | Number of Included Functional Groups | M | M | N0 | 1/5 | |
| IEA02 | I12 | Interchange Control Number | M | M | N0 | 9/9 | |

Example:

IEA*2*000001011

Sample Document

Sample 855 POA

ISA*00* *00* *ZZ*SENDERID *ZZ*RECIEVERID *150623*1554*U*00401*906177142*0*P*>
GS*PR*SENDERID*RECEIVERID*20200623*1554*906177142*X*004010
ST*855*906177142
BAK*00*AC*2020-06-263*20200623
CUR*BG*USD
REF*OQ*5497315
PER*BD*BUYER*TE*714-279-9950*FX*519-000-0001*EM*buyer@test.ca
DTM*010*20200724
DTM*017*20200728
TD5*****Best Way
N9*ZZ**POA HEADER NOTES
MSG*TEST HEADER NOTES GO HERE
N1*BT*BILL TO COMPANY NAME
N3*1339 E. 5TH AVE
N4*PLYMOUTH*NB*93219*USA
N1*SU*SUPPLIER NAME*92*482
N3*1925 SHILOH ROAD
N4*KENNESAW*NY*40244*US
N1*ST*SHIP TO COMPANY NAME*92*AAAA-B01
N3*1339 E. 5TH AVE
N4*PLYMOUTH*NB*93219*USA
PO1*1*2*EA*6.78**BP*CH101340*VP*CH101340
PID*F****480V/54W/OVAL
ACK*IB*2*EA*017*20200624
N9*ZZ**POA LINE NOTES
MSG*TEST LINE NOTES
PO1*2*2*EA*599.76**BP*CH2303*VP*CH2303
PID*F****480V/70W/RND
ACK*IR*2*EA
N9*ZZ**POA LINE NOTES
MSG*ITEM REPLACED WITH SKU #CH29997 – PLEASE REORDER USING NEW SKU
PO1*3*2*EA*162.22**BP*CH2553*VP*CH2553
PID*F****480V/100W/RND
ACK*IA*2*EA
PO1*4*6*EA*0.62**BP*H60765804*VP*H60765804
PID*F****1/2" HUB
ACK*IB*4*EA*017*20200624
ACK*IA*2*EA
PO1*5*2*EA*3214.11**BP*H60765805*VP*H60765805
PID*F****5/8" HUB
ACK*IA*1*EA
ACK*IR*1*EA
N9*ZZ**POA LINE NOTES
MSG*ONLY ONE UNIT REMAINING – PRODUCT DISCONTINUED
PO1*6*1*EA*113.52**BP*H60765806*VP*H60765806
PID*F****3/4" HUB
ACK*IP*1*EA
PO1*7*1*EA*13.29**BP*TRCFD7075*VP*TRCFD7075
PID*F****70+7.5 MFD 440/370V ROUND
ACK*IA*1*EA*017*20200624
PO1*8*1*EA***BP*TRCFD705
PID*F****70+5 MFD 440/370V ROUND
ACK*R2*1*EA
CTT*7

Sample Document

SE*52*906177142

GE*1*906177142

IEA*1*9061771