

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

**ANSI X12 V4010**

Contents

**SUMMARY OF CHANGES..... 3**

**STRUCTURE OF THIS GUIDE ..... 4**

**DOCUMENT CONVENTIONS..... 5**

**KEY TERMS..... 6**

**CONTACT INFORMATION ..... 8**

**PURPOSE OF THIS TRANSACTION ..... 9**

**STANDARD AND VERSION .....10**

**SEGMENT SUMMARY .....11**

**SEGMENT SPECIFICATIONS .....12**

ISA – INTERCHANGE HEADER (MANDATORY) .....12

GS – FUNCTIONAL GROUP HEADER (MANDATORY) .....13

ST – TRANSACTION SET HEADER (MANDATORY) .....14

BAK – BEGINNING SEGMENT FOR PURCHASE ORDER ACKNOWLEDGEMENT (MANDATORY) .....15

CUR – CURRENCY (OPTIONAL) .....16

REF – REFERENCE IDENTIFICATION (CONDITIONAL) .....17

PER – ADMINISTRATIVE COMMUNICATIONS CONTACT (OPTIONAL) .....18

DTM – DATE TIME REFERENCE (MANDATORY) - *MAX 2 ITERATIONS* .....19

N9 – REFERENCE IDENTIFICATION (OPTIONAL) .....20

MSG – MESSAGE TEXT (OPTIONAL) - *MAX 10 ITERATIONS* .....20

N1 – NAME (MANDATORY) .....21

N3 – ADDRESS INFORMATION (MANDATORY) .....22

N4 – GEOGRAPHIC LOCATION (MANDATORY) .....22

PO1 – BASELINE ITEM DATA (MANDATORY) .....23

PID – PRODUCT ITEM DESCRIPTION (MANDATORY) - *MAX 10 ITERATIONS* .....24

PO4 – ITEM PHYSICAL DETAILS (OPTIONAL) .....25

ACK – LINE ITEM ACKNOWLEDGEMENT (MANDATORY) .....26

N9 – REFERENCE IDENTIFICATION (OPTIONAL) .....28

MSG – MESSAGE TEXT (OPTIONAL) - *MAX 10 ITERATIONS* .....28

CTT – TRANSACTION TOTALS (MANDATORY) .....29

SE – TRANSACTION SET TRAILER (MANDATORY) .....30

GE – FUNCTIONAL GROUP TRAILER (MANDATORY) .....31

IEA – INTERCHANGE CONTROL TRAILER (MANDATORY) .....32

**SAMPLE 855 POA .....33**

# Summary of Changes

Date	NAME	Section	Description of Change	Reason for Change
Aug 4 2021	SBAIRD	REF	ADD REF*OQ & REF*IL	Order Number and Internal Order Number
Aug 2, 2022	SBAIRD	ACK	IB and IP example	Where the entire item is backordered and price changed

# 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.

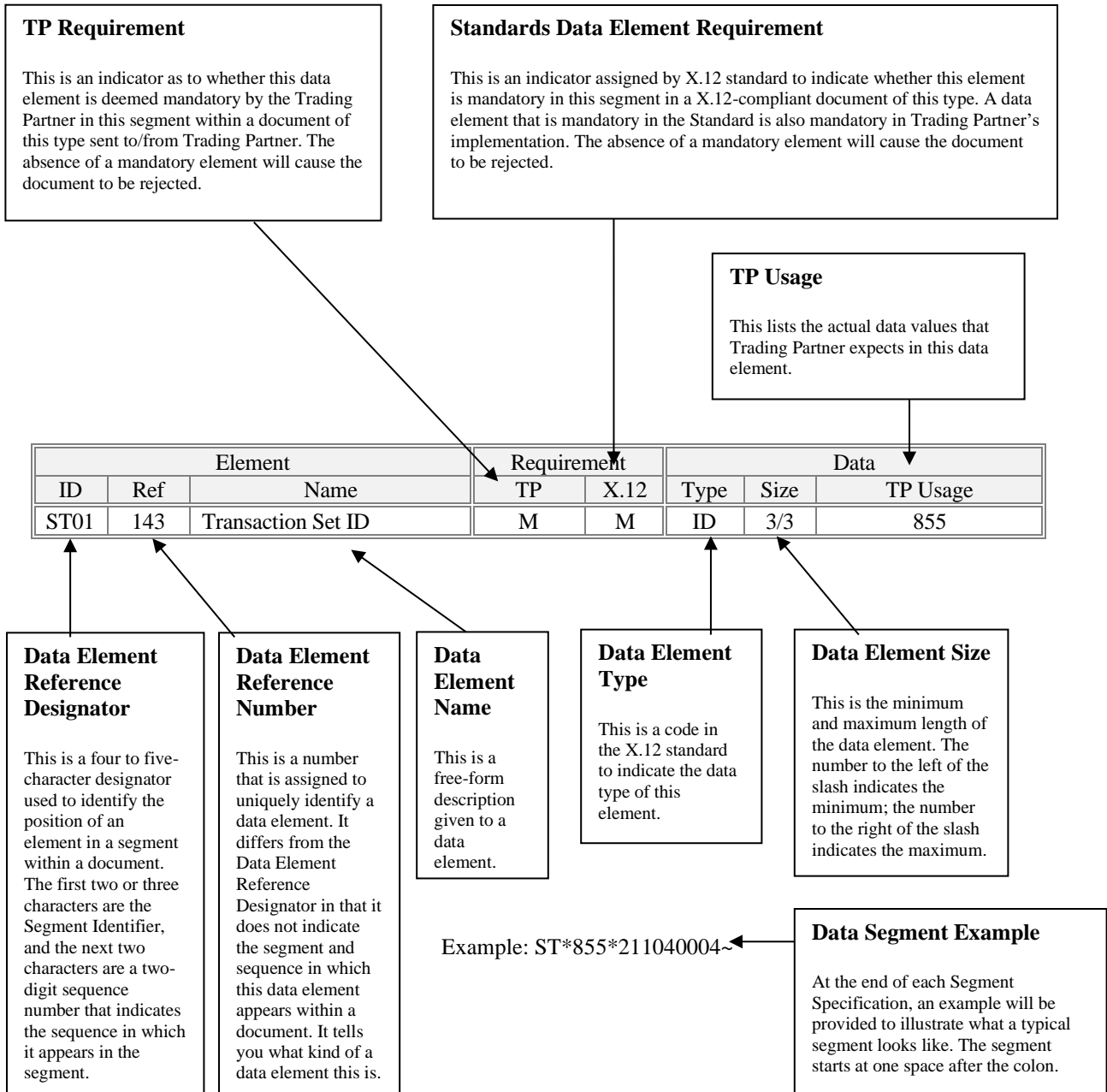
# Document Conventions

## 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

<b><i>Segment Identifier</i></b>	Each segment has a unique identifier, usually two or three characters long. This identifier serves as a label for the data within the segment.
<b><i>Data Element Reference Designator</i></b>	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.
<b><i>Data Element Reference Number</i></b>	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.
<b><i>Data Element Name</i></b>	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.
<b><i>Trading Partner Requirement Indicator</i></b>	<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"> <li>● Segments and elements that are mandatory in the X.12 standards are also mandatory by default in Trading Partner's Implementation.</li> <li>● The absence of a mandatory segment or element will cause the document to be rejected.</li> </ul> <p>The valid values of this indicator are:</p> <ul style="list-style-type: none"> <li>● <b>M</b> – This indicates that the segment or element is Mandatory</li> <li>● <b>O</b> – This indicates that the segment or element is Optional</li> <li>● <b>C</b> – 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.</li> </ul>
<b><i>X.12 Requirement Indicator</i></b>	<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"> <li>● Segments and elements that are mandatory in the X.12 standards are also mandatory by default in Trading Partner's Implementation.</li> <li>● The absence of a mandatory segment or element will cause the document to be rejected.</li> </ul>

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
Telephone	(519) 850-5269
Fax	(519) 850-2028
Email	edisupport@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
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	Caret	^	5E	94

# 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	<b>00</b> - No Authorization Information Present
ISA02	I02	Authorization Information	M	M	AN	10/10	Blank
ISA03	I03	Security Information Qualifier	M	M	ID	2/2	<b>00</b> - 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	<b>U</b> - U.S. EDI Community of ASC X12, TDCC, and UCS
ISA12	I11	Interchange Control Version Number	M	M	ID	5/5	<b>00401</b>
ISA13	I12	Interchange Control Number	M	M	N0	9/9	Control number
ISA14	I13	Acknowledgment Requested	M	M	ID	1/1	<b>0</b> - Acknowledgment not requested
ISA15	I14	Test Indicator	M	M	ID	1/1	<b>P</b> - Production Data <b>T</b> – 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	<b>PR</b> - 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	<b>X</b> - Accredited Standard Committee X12
GS08	480	Version/Release/ Industry ID Code	M	M	AN	1/12	<b>004010</b>

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	<b>855</b>
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	<b>00</b> - Original
BAK02	587	Acknowledgement Type	M	M	ID	2/2	<b>AC</b> - With Detail and Change <b>AD</b> - With Detail No Change <b>RJ</b> - Rejected, No Detail <b>AP</b> - Product Replenishment
BAK03	324	Purchase Order Number	M	M	AN	1/22	
BAK04	373	Date	M	M	DT	8/8	CCYYMMDD See Note BAK04
BAK05	328	Release Number	O	O	AN	1/30	

Example:

BAK\*00\*AC\*12345678\*20200315~

Notes:

BAK04 refers to the Purchase Order Date

## 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	<b>BG</b> - 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	<b>OQ</b> – Customer’s Order Number <b>IL</b> – Supplier’s Order Number
REF02	127	Reference Identification	C	M	AN	1/30	<b>OQ</b> – Customer’s Order Number <b>IL</b> – 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	<b>TE</b> - Telephone <b>FX</b> - Fax <b>EM</b> - Email
PER04	364	Communication Number	C	C	AN	1/80	<b>TE</b> - Telephone <b>FX</b> - Fax <b>EM</b> - Email
PER05	365	Communication Number Qualifier	O	O	ID	2/2	<b>TE</b> - Telephone <b>FX</b> - Fax <b>EM</b> - Email
PER06	364	Communication Number	C	C	AN	1/80	<b>TE</b> - Telephone <b>FX</b> - Fax <b>EM</b> - Email
PER07	365	Communication Number Qualifier	O	O	ID	2/2	<b>TE</b> - Telephone <b>FX</b> - Fax <b>EM</b> - Email
PER08	364	Communication Number	C	C	AN	1/80	<b>TE</b> - Telephone <b>FX</b> - Fax <b>EM</b> - 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. <b>This DTM segment is mandatory.</b>
017	Estimated Delivery	The date which the supplier expects the goods to arrive at the ship to location.

## 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	<b>ZZ</b> - 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	<b>SU</b> - Supplier <b>OB</b> - Ordered By <b>BT</b> - Bill To <b>ST</b> - Ship To
N102	93	Name	C	M	AN	1/60	Company Name
N103	66	ID Code Qualifier	C	M	ID	1/2	<b>92</b> - Assigned by Buyer/ Buyer's Agent
N104	67	ID Code	C	M	AN	2/80	<b>SU</b> - TP's A/P Vendor # for supplier <b>OB</b> - Ordered By Store # <b>BT</b> - not applicable <b>ST</b> - 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	<b>AUS</b> - Australia <b>CAN</b> - Canada <b>CRI</b> - Costa Rica <b>GBR</b> - United Kingdom <b>MEX</b> - Mexico <b>NZL</b> - New Zealand <b>USA</b> - 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	<b>VP</b> - Vendor's Part Number <b>BP</b> - Buyer's Part Number <b>UP</b> - UPC Code
PO107	234	Product Service ID	C	C	AN	1/48	<b>VP</b> - Vendor's Part Number <b>BP</b> - Buyer's Part Number <b>UP</b> - UPC Code
PO108	235	Product Service ID Qualifier	C	C	ID	2/2	<b>VP</b> - Vendor's Part Number <b>BP</b> - Buyer's Part Number <b>UP</b> - UPC Code
PO109	234	Product Service ID	C	C	AN	1/48	<b>VP</b> - Vendor's Part Number <b>BP</b> - Buyer's Part Number <b>UP</b> - UPC Code
PO110	235	Product Service ID Qualifier	C	C	ID	2/2	<b>VP</b> - Vendor's Part Number <b>BP</b> - Buyer's Part Number <b>UP</b> - UPC Code
PO111	234	Product Service ID	C	C	AN	1/48	<b>VP</b> - Vendor's Part Number <b>BP</b> - Buyer's Part Number <b>UP</b> - 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	<b>LB</b> - Pound <b>KG</b> - Kilogram
PO408	385	Gross Volume per Pack	C	C	R	1/9	
PO409	355	Unit or Basis for Measurement	C	C	ID	2/2	<b>SF</b> - Square Foot <b>SM</b> - 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	<b>IN</b> - Inch <b>MM</b> - 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	<b>068</b> - Current Schedule Ship Date <b>017</b> - 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	<b>ZZ</b> - 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	<b>LB</b> - Pounds <b>KG</b> - Kilograms
CTT05	183	Volume	O	O	R	1/8	
CTT06	355	Unit or Basis for Measurement	C	C	ID	2/2	<b>SF</b> - Square Feet <b>SM</b> - 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\*RECEIVERID \*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  
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  
SE\*52\*906177142

# Sample Document

GE\*1\*906177142

IEA\*1\*9061771