LBMX EDI - ELECTRONIC DATA INTERCHANGE
810 (INVOICE/CREDIT NOTE) SPECIFICATIONS

ANSI X12 V4010

Contents

Summary of Changes

Date	Name	Section	Description of Change	Reason for Change
2025-07-03	SB	CTP	Clarified use on credits	Negatives sent for alternate quantities
2025-11-17	JB	REF	Add REF*CT	Field for Contract Number

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

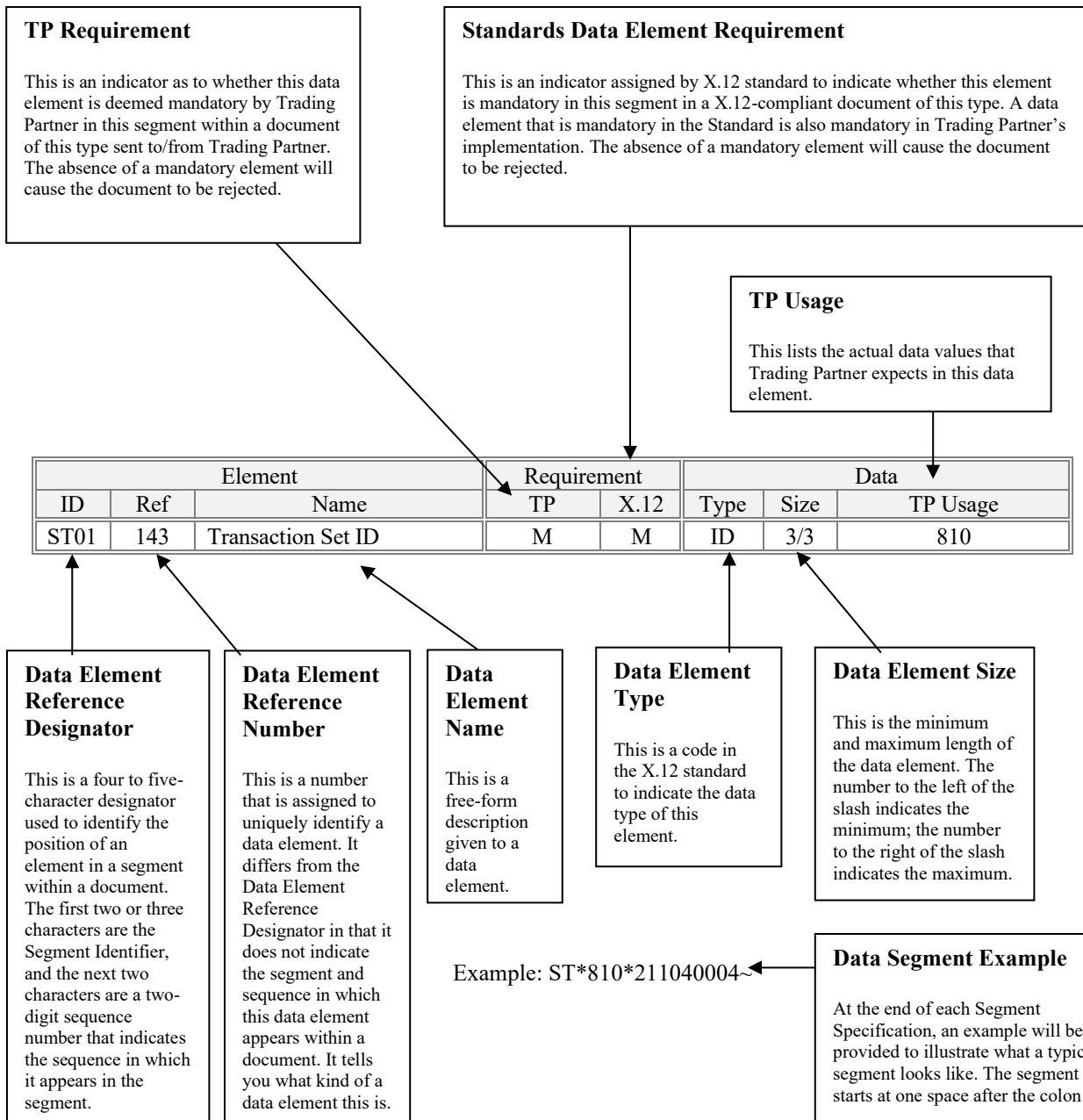|	
Purpose of This Transaction	In this section, you will find a brief description of the business purposes of this document and how Trading Partner intends to achieve these through the use of this transaction set.
Standard and Version	In this section, you will find the Electronic Data Interchange Standards 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 sample documents 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.

TP Requirement

This is an indicator as to whether this data element is deemed mandatory by Trading Partner in this segment within a document of this type sent to/from Trading Partner. The absence of a mandatory element will cause the document to be rejected.

Standards Data Element Requirement

This is an indicator assigned by X.12 standard to indicate whether this element is mandatory in this segment in a X.12-compliant document of this type. A data element that is mandatory in the Standard is also mandatory in Trading Partner's implementation. The absence of a mandatory element will cause the document to be rejected.

TP Usage

This lists the actual data values that Trading Partner expects in this data element.

Element			Requirement		Data		
ID	Ref	Name	TP	X.12	Type	Size	TP Usage
ST01	143	Transaction Set ID	M	M	ID	3/3	810

Data Element Reference Designator

This is a four to five-character designator used to identify the position of an element in a segment within a document. The first two or three characters are the Segment Identifier, and the next two characters are a two-digit sequence number that indicates the sequence in which it appears in the segment.

Data Element Reference Number

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 tells you what kind of a data element this is.

Data Element Name

This is a free-form description given to a data element.

Data Element Type

This is a code in the X.12 standard to indicate the data type of this element.

Data Element Size

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

Example: ST*810*211040004~

Data Segment Example

At the end of each Segment Specification, an example will be provided to illustrate what a typical segment looks like. The segment starts at one space after the colon.

Key Terms

Segment Identifier
Each segment has a unique identifier, usually two or three characters long. This identifier serves as a label for the data within the segment.

Data Element Reference Designator
This is a structured four to 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.

Data Element Reference Number
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.

Data Element Name
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.

Trading Partner Requirement Indicator
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:

- 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.

X.12 Requirement Indicator
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:

- 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
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Web Site	www.lbmx.com

Purpose of This Transaction

The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Trading Partner intends to use this transaction set to receive invoices and credits electronically from its trading partners.

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 start 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
BIG	Beginning Segment for Invoice	M	M		To indicate the beginning of an invoice and to transmit identifying numbers and dates
NTE	Notes	O	O		To specify header notes and messages
CUR	Currency	C	O		To specify the currency applicable to the invoice
REF	Reference Identification	C	O		To specify identifying 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
ITD	Terms of Sale	M	O		To specify the terms of sale. Where there are installment payment terms, send one ITD segment for each payment.
DTM	Date Time Reference	M	O		Specifies pertinent dates and times
FOB	F.O.B. Related Instructions	C	O		To identify invoices where freight terms apply (i.e. free freight or half-free freight allowance)
IT1	Base Line Item Data	M	O		To specify item details for the invoice
QTY	Quantity	O	O		Original Order Quantity
IT3	Additional Item Data	O	O		If order not fully shipped, send Backorder quantity
CTP	Pricing Information	C	O		To specify pricing information
PID	Product Item Description	M	O		Includes the Product Description
REF	Reference Identification	C	O		To specify identifying information
SAC	Allowance or Charge Information	O	O		To specify the amount or percentage of allowances or charges.
N1	Name	C	O		Identify a party by type of organization name and code.
N3	Address Information	C	O		Identify the street address information
N4	Geographic Location	C	O		Identify the City, Province, Postal Code and Country
TDS	Total Monetary Value Summary	M	M		To specify the total invoice discounts and amounts
TXI	Tax Information	C	O		To specify taxes applicable to the purchase
CAD	Carrier Detail	M	O		To specify transportation details for the transaction
SAC	Allowance or Charge Information	C	O		To specify the amount or percentage of allowances or charges.
ISS	Invoice Shipment Summary	O	O		To specify summary details of total items shipped in terms of quantity, weight and volume
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 Inform 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	Receiver Qualifier
ISA08	I07	Interchange Receiver ID	M	M	AN	15/15	Receiver 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*SENDER ID   *ZZ*RECEIVER ID
*200521*1556*U*00401*000001101*0*P*>~

Notes:

Do not send more than one document type per interchange.

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	**IN -** Invoice
GS02	142	Application Sender's Code	M	M	AN	2/15	Sender ID
GS03	124	Application Receiver's Code	M	M	AN	2/15	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*IN*SENDERID*RECEIVERID*20200521*1556*101*X*004010~

Notes:

LBMX only accepts ONE GS envelope PER ISA envelope.

Do not send more than one document type per interchange.

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	810
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*810*0001~

BIG – Beginning Segment for Invoice (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
BIG01	245	Invoice Date	M	M	DT	8/8	CCYYMMDD
BIG02	76	Invoice number	M	M	AN	1/22	
BIG03	323	Purchase Order Date	M	M	DT	8/8	CCYYMMDD
BIG04	324	Purchase Order Number	M	M	AN	1/22	
BIG07	640	Transaction Type Code	M	M	ID	2/2	**DI** - Debit Invoices **CN** - Credit Invoices

Example:

BIG*20201007*12345678*20201001*500001***DI~
BIG*20201007*12345678*20201001*500001***CN~

Notes:

"CN" must be sent in BIG07 for all credit notes.

If Purchase Order Number does not exist on a credit note, re-send the invoice number.

CREDIT NOTES ARE MANDATORY – if you are unable to send credit notes via EDI, you will be required to re-key the credit note via your LBMX Document Centre. Please speak with your analyst for further instructions on this.

NTE – Notes/Special (Optional) - *max 20 iterations*

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
NTE02	352	Description	O	O	AN	1/80	

Example:

NTE**Header Level Free-Form Note~

CUR – Currency Code (Conditional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
CUR01	98	Entity Identifier Code	O	O	AN	2/2	**SE** - Selling Party
CUR02	100	Currency Code	C	C	AN	3/3	See Note CUR02

Example:

CUR*SE*USD~

Notes:

If the currency is indicated on the paper invoice, it must be sent via EDI.

If you bill in more than one currency, then you must send the CUR segment.

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	M	M	ID	2/3	**11** - Account Number **OI** - Original Invoice # (Credits only) **PK** - Packing Slip Number **IL** - Internal Order Number **BM** - Bill of Lading Number **CN** - Carrier Reference (Tracking) # **PD** - Promotion/Deal # **GT** - GST/HST Registration # **TX** - PST/QST Registration **CL** - Credit Authorization/Release Number **KW** – Certification **IS** – Invoice Number Suffix **CT** – Contract number
REF02	127	Reference Identification	M	M	AN	1/30	**11** - Account Number **OI** - Original Invoice # (Credits only) **PK** - Packing Slip Number **IL** - Internal Order Number **BM** - Bill of Lading Number **CN** - Carrier Reference (Tracking) # **PD** - Promotion/Deal # **GT** - GST/HST Registration # **TX** - PST/QST Registration **CL** - Credit Authorization/Release Number **KW** – Certification **IS** – Invoice Number Suffix **CT** – Contract number

Example:

REF*CN*5006183~
REF*BM*92158526~

Notes:

Original Invoice Number (REF*OI), the invoice to which the credit applies, is mandatory on credit notes.

GST/HST Registration # (REF*GT) is mandatory on all invoices where the Ship To location is in Canada and where GST/HST is charged.

PST/QST Registration # (REF*TX) is mandatory on all invoices where the Ship To location is in Canada and where PST/QST is charged.

Certification (REF*KW) is used to send values such as your Forest Stewardship Council (FSC) Certification number.

All other REF segments are optional UNLESS they appear on the paper copy of your invoice, in which case they are mandatory. Your trading partner requires all the information that is normally presented on paper invoices to be sent through EDI.

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/Ship From **RI** - Remit To **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** - Trading Partner's A/P Vendor # **RI** - not applicable **BT** - not applicable **ST** - Trading Partner's Ship To Store location #

Example:

N1*SU*Supplier Name*92*0001~
N1*RI*Remit To Name~
N1*BT*Bill To Name~
N1*ST*Ship To Name*92*0001~

Notes:

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

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

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 an invoice for product that was 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 invoice 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
N302	166	Address Information	O	O	AN	1/55	Street Address

Example:

N3*SHIP TO ADDRESS 1*SHIP TO 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 Name	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
N405	26	Subdivision Qualifier	O	C	ID	2/3	**CO** - County
N406	26	Subdivision Name	O	C	ID	2/3	

Example:

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

Notes:

For Canadian and US entities
- N402 is mandatory for locations in Canada and the United States. Do not use N405 and N406.

For UK entities

- N405 and N406 are mandatory for the United Kingdom and countries that do not use a two-digit state or province identifier and instead use a county subdivision.

- Where N405 and N406 are used, N402 must be blank.

Example
N4*Berwick**EC2A 4HH*GBR*CO*West Sussex

ITD – Terms of Sale (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
ITD01	336	Terms Type Code	O	M	ID	2/2	**01** - Basic **14** - As per Agreement
ITD02	333	Terms Basis Date Code	O	M	ID	1/2	**3** - Invoice Date
ITD03	338	Terms Discount Percent	O	O	R	1/6	
ITD04	370	Terms Discount Due Date	C	O	DT	8/8	CCYYMMDD
ITD06	446	Terms Net Due Date	O	M	DT	8/8	CCYYMMDD
ITD08	362	Terms Discount Amount	O	O	N2	1/10	Sign values with minus (-) on credits
ITD12	352	Terms Description	O	M	AN	1/80	

Example:

ITD*01*3*2*20201017**20201107**2970****2% 10, NET 30~
ITD*01*3****20201107******NET 30~

Notes**:**

Where net terms are offered (ex. NET 30), data elements ITD01/02/06/12 are mandatory. Data elements ITD03/04/08 should be null.

Where a prompt payment discount is offered (ex. 2% 10 NET 30), data elements ITD01/02/03/04/06/08/12 are mandatory.

When sending a credit note, the Terms Discount Amount (ITD08) should be negative to re-coup any discount that may have been taken.

DTM – Date Time Reference (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
DTM01	374	Date Time Qualifier	M	M	ID	3/3	**011** - Ship Date
DTM02	373	Date	C	M	DT	8/8	CCYYMMDD

Example:

DTM*011*20201007~

FOB – F.O.B. Related Instructions (Conditional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
FOB01	146	Shipment Method of Payment	M	M	ID	2/2	See Note FOB01
FOB02	309	Location Qualifier	O	C	ID	2/2	DE – Destination MI – Mill OR – Origin
FOB03	308	Description	O	C	ID	1/80	DE – Destination Name MI – Mill name OR – Origin Name

Example:

FOB*PP*MI*Sawmill~

Notes:

FOB01: Shipment Method of Payment

Code	Description
CC	Collect
DF	Defined by Buyer and Seller
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
PU	Pickup
TP	Third Party

FOB is optional UNLESS it appears on the paper copy of your invoice, in which case it is mandatory. Your trading partner requires all the information that is normally presented on paper invoices to be sent through EDI.

IT1 – Base Line Item Data (Mandatory)

ID	Ref	Name	X.12	TP	Type	Size	TP Usage
		Element	Requirement		Data		
IT101	350	Assigned Identification	O	O	AN	1/11	Line Number
IT102	358	Quantity Invoiced	C	M	R3	1/10	Total invoiced quantity for this item. Sign values with minus (-) on credits
IT103	355	Unit or Basis for Measurement Code	C	M	ID	2/2	
IT104	212	Unit price cost	C	M	R4	1/17	Unit price cost
IT106	235	Product/Service ID Qualifier	C	M	ID	2/2	**VN** - Vendor Item Number
IT107	234	Product/Service ID	C	M	AN	1/48	**VN** - Vendor Item Number
IT108	235	Product/Service ID Qualifier	C	C	ID	2/2	**BP** - Buyer's Part Number **UP** - UPC Code **VE** - Colour **SZ** - Size **BL** - Brand **CH** - Country of Origin
IT109	234	Product/Service ID	C	C	AN	1/48	**BP** - Buyer's Part Number **UP** - UPC Code **VE** - Colour **SZ** - Size **BL** - Brand **CH** - Country of Origin
IT110	235	Product/Service ID Qualifier	C	C	ID	2/2	**BP** - Buyer's Part Number **UP** - UPC Code **VE** - Colour **SZ** - Size **BL** - Brand **CH** - Country of Origin
IT111	234	Product/Service ID	C	C	AN	1/48	**BP** - Buyer's Part Number **UP** - UPC Code **VE** - Colour **SZ** - Size **BL** - Brand **CH** - Country of Origin
IT112	235	Product/Service ID Qualifier	C	C	ID	2/2	**BP** - Buyer's Part Number **UP** - UPC Code **VE** - Colour

							SZ - Size BL - Brand CH - Country of Origin
IT113	234	Product/Service ID	C	C	AN	1/48	BP - Buyer's Part Number UP - UPC Code VE - Colour SZ - Size BL - Brand CH - Country of Origin
IT114	235	Product/Service ID Qualifier	C	C	ID	2/2	BP - Buyer's Part Number UP - UPC Code VE - Colour SZ - Size BL - Brand CH - Country of Origin
IT115	234	Product/Service ID	C	C	AN	1/48	BP - Buyer's Part Number UP - UPC Code VE - Colour SZ - Size BL - Brand CH - Country of Origin
IT116	235	Product/Service ID Qualifier	C	C	ID	2/2	BP - Buyer's Part Number UP - UPC Code VE - Colour SZ - Size BL - Brand CH - Country of Origin
IT117	234	Product/Service ID	C	C	AN	1/48	BP - Buyer's Part Number UP - UPC Code VE - Colour SZ - Size BL - Brand CH - Country of Origin

Example:

IT1*1*100*EA*15.66**VN*122343*BP*934-0098*VE*GREEN

IT1*2*50*EA*10.03**VN*122343*UP*123423423451

Notes:

Vendor Part Number (VN) is mandatory on all invoices.

Country of Origin (CH) is mandatory on all Edge Group invoices.

All product attributes are mandatory if they appear on your paper invoice copy.

Line numbers (IT101) should match what was received on the PO.

Unit of Measure (IT103) should match what was received on the PO.

Quantity Invoiced (IT102) multiplied by Unit Price (IT104) must be equal to the *before* discount extended amount (i.e. before any line discounts). If the printed invoices show a gross unit price and line discounts, then IT104 must contain the gross unit price, and the discount percent and extended dollar discount amount are to be sent in the CTP segment, otherwise the invoice will not balance.

All quantities invoiced (IT102) must be of the same sign, per transaction. LBMX does not accept mixed invoices (i.e. some quantities positive and others negative).

QTY – Quantity (Optional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
QTY01	673	Quantity Qualifier	O	O	ID	2/2	**OR**
QTY02	380	Quantity Difference	C	C	R3	1/9	Original Order Quantity (PO Quantity)

Example:

QTY*OR*12

IT3 – Additional Item Data (Optional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
IT303	368	Shipment/Order Status Code	O	O	ID	2/2	**BO**
IT304	383	Quantity Difference	C	C	R3	1/9	Back ordered quantity

Example:

IT3***BO*5

CTP – Pricing Information (Conditional)

	Element		Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
CTP02	236	Price Identifier Code	C	O	ID	3/3	**ALT** - Alternate Price **NET** - Net Item Price **SLP** - Suggested List Price **STA** - Standard Price **WHL** - Wholesale Price
CTP03	212	Unit Price	C	O	R	1/17	
CTP04	380	Alternate Quantity	C	C	R	1/15	Sign values with minus (-) on credits
CTP05	385	Alternate Unit of Measure	C	C	AN	1/2	
CTP06	648	Price Multiplier Qualifier	O	C	ID	3/3	**SEL -** Discount Percent provided in CTP07
CTP07	649	Multiplier	C	C	R	1/10	Discount Percent (i.e. 10.0)
CTP08	782	Monetary Amount	O	C	R2	1/18	Extended Line Discount Amount. When deducted from result of IT102 * IT104, the result is the Net Extended Line Amount for the item Sign values with minus (-) on credits

Example:

CTP******SEL*15*100.34~   15% line discount
CTP**ALT*12.50*4*CA*SEL*10*1.25~   alternate pricing (per case) and 10% line discount
CTP****100*PC~   alternative quantity of one hundred pieces
CTP**WHL*13.45~   wholesale price of $13.45
CTP**NET*31.61*160*PC   Net Item Price of $31.61 with an alternate quantity and UOM

Notes:

Use CTP02, CTP03, CTP04, CTP05 to send alternate pricing based on a different unit of measure IT103 (ex. per piece pricing, per case pricing, etc.). Set CTP02 = ALT
    CTP**ALT*12.50*4*CA

CTP06, CTP07 and CTP08 are mandatory if line discounts are applicable, otherwise the invoice will not balance.

Where IT102 and IT104 are not the per "piece" price (ex. price per linear foot, square foot, thousand board feet, etc.), express "piece count equivalent" via CTP04 and set CTP05 = PC
        CTP****100*PC~

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~

REF – Reference Identification (Conditional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
REF01	128	Reference Identification Code Qualifier	M	M	ID	2/3	**DP** - Product Department (Group) **PD** – Promotion/Deal # **SE** - Serial Number **RY** - Rebate Category
REF02	127	Reference Identification	M	M	AN	1/30	**DP** - Product Department (Group) **PD** - Discount Grouping **SE** - Serial Number **RY** - Rebate Category

Example:

REF*DP*GROCERY AND BEVERAGES~
REF*PD*PRO 30~
REF*SE*112345~
REF*SE*112399~

Notes:

One REF*SE segment should be sent per Serial Number.

All other REF segments are optional UNLESS they appear on the paper copy of your invoice, in which case they are mandatory. Your trading partner requires all the information that is normally presented on paper invoices to be sent through EDI.

SAC – Allowance, or Charge Information (Optional)

	Element		Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
SAC01	248	Allowance or Charge Indicator	M	M	ID	1/1	**A** - Allowance **C** - Charge **N** - Information Only
SAC02	1300	Allowance or Charge Code	C	M	ID	4/4	All ANSI X12 Standard values accepted
SAC05	610	Total Allowance or Charge Amount	O	M	N2	1/15	
SAC15	352	Description	O	M	AN	1/80	Allowance or charge description

Example:

SAC*C*C680***1000**********Eco Fee

Notes**:**

Used for line-item specific charge or allowance, such as an ECO Fee, that applies to the item within this IT1 loop.

N1 – Name (Conditional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
N101	98	Entity Identifier Code	M	M	ID	2/3	**SF** – Ship From
N102	93	Name	C	M	AN	1/60	Company Name

Example:

N1*SF*Ship From Name~

Notes:

The Ship From N1 loop and associated N3, and N4 segments are mandatory on Edge Group invoices and are not required by any other group.

N3 – Address Information (Conditional)

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

Example:

N3*SHIP TO ADDRESS 1*SHIP TO ADDRESS 2~

N4 – Geographic Location (Conditional)

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 Name	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~

TDS – Total Monetary Value Summary (Mandatory)

Element			Requirement		Data			
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
TDS01	610	Total Invoice Amount	M	M	N2	1/15	Invoice amount (including charges less allowances but excluding terms). Sign values with minus (-) on credits
TDS02	610	Amount Subject to Terms	O	C	N2	1/15	The amount upon which the terms discount amount is calculated. Sign values with minus (-) on credits
TDS03	610	Amount Payable After Terms	O	C	N2	1/15	The amount of invoice due if paid by terms discount due date. Sign values with minus (-) on credits

Example:

TDS*149500*148500*146530

Notes:

TDS02 and TDS03 are required if prepayment terms (ex. 2%10 NET 30) exist.
If prepayment terms do not exist, data elements TDS02 and TDS03 must be null.

CAD – Carrier Details (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
CAD01	91	Transportation Method	O	O	ID	1/2	See Note CAD01
CAD05	387	Routing	O	M	AN	1/35	Routing description/ carrier name

Example:

CAD*M****FEDEX Ground

Notes:

CAD01: Transportation Method

Code	Description
A	Air
AE	Air Express
H	Customer Pickup
M	Motor (Common Carrier)
R	Railcar
T	Best Way
U	Private Parcel Service

SAC – Allowance, or Charge Information (Conditional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
SAC01	248	Allowance or Charge Indicator	M	M	ID	1/1	**A** - Allowance **C** - Charge **N** - Information Only
SAC02	1300	Allowance or Charge Code	C	M	ID	4/4	All ANSI X12 Standard values accepted
SAC05	610	Total Allowance or Charge Amount	O	M	N2	1/15	
SAC15	352	Description	O	M	AN	1/80	Allowance or charge description

Example:

SAC*C*D240***1000**********Freight

ISS – Invoice Shipment Summary (Optional)

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
ISS01	382	Number of Units Shipped	C	O	R0	1/10	
ISS02	355	Unit or Basis of Measurement Code	C	C	ID	2/2	**CA** - Case **EA** - Each
ISS03	81	Weight	C	O	R2	1/10	
ISS04	355	Unit or Basis of Measurement Code	C	C	ID	2/2	**LB** - Pound **KG** - Kilogram

Example:

ISS*3*CA*96*KG

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	Total number of line items in the transaction set
CTT02	347	Hash Total	O	O	R	1/10	Sum of IT102 values

Example:

CTT*2*500~

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*31*0001~

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*1*000001101~

Sample Documents

Sample 810 INVOICE (Prepayment Terms)

```
ISA*00*        *00*       *01*YourID     *ZZ*TradingPartnerID        *201007*1806*U*00400*000001101*1*T*>
GS*IN*YourID*TradingPartnerID*20201007*1806*101*X*004010
ST*810*0001
BIG*20201007*12345678*20201001*500001***DI
REF*IL*3230
REF*CN*12345
N1*BT*Trading Partner Member Name
N3*Trading Partner Member Address
N4*City*State*Zip*Country
N1*ST*Trading Partner Member location*92*Store Number
N3*Trading Partner Location Address*Address 2
N4*Location City*State*ZipCode*USA
N1*SU*Vendor Name*92*Trading Partner Supplier#
N3*Vendor Street Address
N4*City*State*ZipCode*Country
N1*RI*Vendor Remit To Name
N3*Remit To Street Address
N4*City*State*ZipCode*Country
ITD*01*3*2*20201017**20201106**2970****2% 10, NET 30
DTM*011*20200322
FOB*PP
IT1*1*100*EA*15.66**VN*VendorPartNumber*BP*BuyerPartNumber*UP*UPC
CTP**WHL*10.99***SEL*10.0*156.6
PID*F****Full Item Description
REF*PD*Product Group
IT1*2*400*LF*0.21**VN*Vendor Part Number*BP*Buyer Part Number*UP*UPC
CTP**ALT*21.00*4*EA*SEL*10.0*8.4
PID*F****Full Item Description
TDS*149500*148500*146530
CAD*M****Routing
SAC*C*D240***1000*********Freight
ISS*3*CA*96*KG
CTT*2
SE*32*0001
GE*1*101
IEA*1*000001101
```

Sample 810 INVOICE (Net Terms)

```
ISA*00*        *00*       *01*YourID     *ZZ*TradingPartnerID        *201007*1806*U*00400*000001101*1*T*>
GS*IN*YourID*TradingPartnerID*20201007*1806*101*X*004010
ST*810*0001
BIG*20201007*12345678*20201001*500001***DI
REF*IL*3230
REF*CN*12345
N1*BT*Trading Partner Member Name
N3*Trading Partner Member Address
N4*City*State*Zip*Country
N1*ST*Trading Partner Member location*92*Store Number
N3*Trading Partner Location Address*Address 2
N4*Location City*State*ZipCode*USA
N1*SU*Vendor Name*92*Trading Partner Supplier#
N3*Vendor Street Address
N4*City*State*ZipCode*Country
N1*RI*Vendor Remit To Name
```

N3*Remit To Street Address
N4*City*State*ZipCode*Country
ITD*01*3****20201106******NET 30
DTM*011*20200322
FOB*PP
IT1*1*100*EA*15.66**VN*VendorPartNumber*BP*BuyerPartNumber*UP*UPC
CTP**WHL*10.99***SEL*10.0*156.6
PID*F****Full Item Description
REF*PD*Product Group
IT1*2*400*LF*0.21**VN*Vendor Part Number*BP*Buyer Part Number*UP*UPC
CTP**ALT*21.00*4*EA*SEL*10.0*8.4
PID*F****Full Item Description
TDS*149500
CAD*M****Routing
SAC*C*D240***1000**********Freight
ISS*3*CA*96*KG
CTT*2
SE*32*0001
GE*1*101
IEA*1*000001101

Sample 810 CREDIT

ISA*00*   *00*   *01*YourID   *ZZ*TradingPartnerID   *201007*1806*U*00400*000001101*1*T*>
GS*IN*YourID*TradingPartnerID*20201007*1806*101*X*004010
ST*810*0001
BIG*20201007*12345678*20201001*500001***CN
REF*OI*24348023
N1*BT*Trading Partner Member Name
N3*Trading Partner Member Address
N4*City*State*Zip*Country
N1*ST*Trading Partner Member location*92*Store Number
N3*Trading Partner Location Address*Address 2
N4*Location City*State*ZipCode*USA
N1*SU*Vendor Name*92*Trading Partner Supplier#
N3*Vendor Street Address
N4*City*State*ZipCode*Country
N1*RI*Vendor Remit To Name
N3*Remit To Street Address
N4*City*State*ZipCode*Country
ITD*01*3*2*20201017**20201107**-2970****2% 10, NET 30
DTM*011*20200322
FOB*PP
IT1*1*-100*EA*15.66**VN*VendorPartNumber*BP*BuyerPartNumber*UP*UPC
CTP******SEL*10.0*-156.6
PID*F****Full Item Description
IT1*2*-400*LF*0.21**VN*Vendor Part Number*BP*Buyer Part Number*UP*UPC
CTP**ALT*21.00*-4*EA*SEL*10.0*-8.4
PID*F****Full Item Description
TDS*-150000*-148500*-147030
TXI*TX*-50.00
CAD*M****Routing
SAC*A*D240***1000**********Freight
ISS*3*CA*96*KG
CTT*2
SE*31*0001
GE*1*101
IEA*1*000001101