LBMX EDI
ELECTRONIC DATA INTERCHANGE
820-REMITTANCE ADVICE SPECIFICATIONS

ANSI X12 V4010

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Summary of Changes

Date	Name	Section	Description of Change	Reason for Change
2020-11-02	V Patel	DTM	Changed qualifier from 011 to 097	Incorrectly referenced “ship date” instead of “cheque date”

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

Standard and Version

In this section, you will find the Electronic Data Interchange Standards and Version of these Standards that LBMX 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 LBMX 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 LBMX'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 TP. 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 TP 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	820

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*820*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-character designator used to identify the position of an element in a segment within a document. The first two 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 tells you what kind of a data element this is. You may find the definition of all data elements 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.

TP Requirement Indicator

This is an indicator assigned by TP 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 TP. Please note that:

- Segments and elements that are mandatory in the X.12 standards are also mandatory by default in TP'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

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 are 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 TP'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 TP 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@lbmx.com
Web Site	www.lbmx.com

Purpose of This Transaction

This transaction set contains the format and establishes the data contents of the Payment Order/Remittance Advice Transaction Set (820) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to make a payment, send a remittance advice, or make a payment and send a remittance advice. This transaction set can be an order to a financial institution to make a payment to a payee. It can also be a remittance advice identifying the detail needed to perform cash application to the payee's accounts receivable system. The remittance advice can go directly from payer to payee, through a financial institution, or through a third party agent.

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
BPR	Beginning Segment for Remittance Advice	M	M		To transmit identifying numbers, dates, and other basic data relating to the transaction set
TRN	Trace	O	O		
REF	Reference Identification	O	M		To specify identifying information
DTM	Date Time Reference	M	O		Specify pertinent dates and times
N1	Name	M	O		Identify a party by type of organization name and code.
NM1	Individual or Organizational Name	O	O		
RMR	Remittance Advice Accounts Receivable Open Item Reference	O	O		
NTE	Note/Special Instruction	O	O		
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

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” for Production Data, and “T” for Test
ISA16	I15	Sub-Element Separator	M	M	AN	1/1	>

Example:

```
ISA*00*          *00*          *ZZ*SENDER ID     *ZZ*RECEIVERID
*140521*1556*U*00401*000001011*0*P*>~
```

GS - Functional Group Header

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
GS01	479	Functional Identifier Code	M	M	ID	2/2	“RA”
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*RA*SENDERID*RECEIVERID*20140521*1556*101*X*004010~

ST – Transaction Set Header

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	143	Transaction Set Identifier Code	M	M	ID	3/3	“820”
02	329	Transaction Set Control Number	M	M	AN	4/9	A unique ID identifying a transaction set generated for a trading partner

Example:

```
ST*820*0001~
```

BPR – Beginning Segment for Remittance Advice

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	305	Transaction Handling Code		M	ID	1/2	C - Payment Accompanies Remittance Advice D - Make Payment Only I - Remittance Information Only
02	782	Monetary Amount		M	R	1/18	Total amount of remittance
03	478	Credit/Debit Flag Code		M	ID	1/1	C - Credit
04	591	Payment Method Code		M	ID	3/3	ACH - Automated Clearing House (ACH) CHK - Check
05	812	Payment Format Code		O	ID	1/10	CCD - Cash Concentration/Disbursement (CCD) (ACH) CCP - Cash Concentration/Disbursement plus Addenda (CCD+) (ACH) CTX - Corporate Trade Exchange (CTX) (ACH) PBC - Commercial/Corporate Check
06	506	(DFI) ID Number Qualifier		C	ID	2/2	01 - ABA Transit Routing Number Including Check Digits (9 digits) 04 - Canadian Bank Branch and Institution Number
07	507	(DFI) Identification Number		C	AN	3/12	Originating Bank ABA Transit/Routing Number
08	569	Account Number Qualifier		O	ID	1/3	DA - Demand Deposit
09	508	Account Number		C	AN	1/35	Sending account number
10	509	Originating Company Identifier		O	AN	10/10	
12	506	(DFI) ID Number Qualifier		C	ID	2/2	01 - ABA Transit Routing Number Including Check Digits (9 digits)

							04 - Canadian Bank Branch and Institution Number
13	507	(DFI) Identification Number		C	AN	3/12	Receiving bank ABA Routing/Transit ID
14	569	Account Number Qualifier		O	ID	1/3	DA - Demand Deposit
15	508	Account Number		C	AN	1/35	Payee's account number
16	373	Date		O	DT	8/8	Good Funds Date at payee's bank

Example:

BPR*I*700.00*C*ACH*CCP**04*1111111*DA*2222222*3333333333*04*444444444*DA*555555555*20140702\

or

BPR*I*700.00*C*ACH*CCD**01*111111111*DA*222222222*3333333333*01*4444444444*DA*555555555*20140702\

TRN – Trace

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	481	Trace Type Code	M	M	ID	1/2	1 - Current Transaction Trace Numbers
02	127	Reference Identification	M	M	AN	1/20	Trace Number

Example:

TRN*1*0000201

CUR - Currency

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	98	Entity Identifier Code	M	M	ID	2/3	BG Buying Group
02	100	Currency Code	O	O	ID	3/3	CAD – Canadian Dollar USD – US Dollar

Example:

```
CUR*BG*CAD~
```

REF – Reference Identification

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	128	Reference Identification Code Qualifier	M	M	ID	2/3	CK – Check Number
02	127	Reference Identification	M	C	AN	1/30	

Example:

```
REF*CK*5006183~
```

DTM – Date Time Reference

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	374	Date Time Qualifier	M	M	ID	3/3	097
02	373	Date	C	M	DT	8/8	Cheque Date

Example:

```
DTM*097*20140514~
```

N1 – Name

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	98	Entity Identifier Code	M	M	ID	2/3	PE - Payee PR - Payer
02	93	Name	C	M	AN	1/60	Company Name
03	66	ID Code Qualifier	C	M	ID	1/ 2	93 - Code assigned by the organization originating the transaction set
04	67	ID Code	C	M	AN	2/80	A/P Vendor Number of Payee

Example:

```
N1*PE*TP*93*0001~
```

ENT – Entity

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	554	Assigned Number	O	O	NO	1/6	

Example:

```
ENT*1~
```

RMR – Remittance Advice Accounts Receivable Open Item Reference

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	128	Reference Identification Qualifier		C	ID	2/3	IV - Seller's Invoice Number PO - Purchase Order Number ST - Store Number
02	127	Reference Identification		C	AN	1/30	IV - your invoice number or Group's debit memo number PO - Group Member's PO number for original purchase (from vendor's invoice) ST – Group Member number
04	782	Monetary Amount		O	R	1/18	Net amount being remitted for this invoice
05	782	Monetary Amount		O	R	1/18	Total amount of invoice before any applicable discounts
06	782	Monetary Amount		O	R	1/18	Amount of discount being taken (RMR05-RMR06 = RMR04).

Example:

RMR*IV*1932017**450*451*1~

NTE – Notes/Special

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	363	Note Reference Code	O	O	ID	3/3	ZZZ – Mutually defined
02	352	Description	O	M	AN	1/80	Description related to adjustment or deduction not referenced on original invoice

Example:
NTE*ZZZ*DESCRIPTION ADJUSTMENTS TO INVOICE

REF – Reference Identification

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	128	Reference Identification Code Qualifier	M	M	ID	2/3	PO - Purchase Order Number ST - Store Number
02	127	Reference Identification	M	C	AN	1/30	PO – Group Member's purchase order number, as transmitted in Supplier's 810-Invoice. ST – Group Member Number, as transmitted in Supplier's 810-Invoice

Example:

```
REF*PO*1052~
```

Notes:

Group's Supplier Number for your company will be communicated to you by LBMX on behalf of the group.

DTM – Date Time Reference

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	374	Date Time Qualifier	M	M	ID	3/3	003 - Invoice
02	373	Date	C	M	DT	8/8	Invoice date

Example:

```
DTM*003*20140514~
```

SE– Transaction Set Trailer

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	96	Number of Included Segments	M	M	N0	1/10	
02	329	Transaction Set Control Number	M	M	AN	4/9	

Example:

```
SE*100*0001~
```

GE – Functional Group Trailer

Element			Requirement		Data		
ID	Ref	Name	X.12	TP	Type	Size	TP Usage
01	97	Number of Transaction Sets Included	M	M	N0	1/6	
02	28	Group Control Number	M	M	N0	1/9	

Example:

```
GE*1*101~
```

IEA – Interchange Control Trailer

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

Example:

IEA*2*1011

Sample File

```
ISA*00*          *00*          *ZZ*SENDERID       *01*RECEIVERID     *221214*1202*U*00401*003000184*0*P*>
GS*RA*SENDERID*RECEIVERID*20221214*1202*3000184*X*004010
ST*820*0001
BPR*I*700.00*C*ACH*CCP**04*1111111*DA*2222222*3333333333*04*444444444*DA*555555555*20140702
TRN*1*10001
CUR*BG*USD
REF*CK*98765
DTM*097*20221214
N1*PE*Payee Name*93*1234
N1*PR*Payer Name
ENT*1
RMR*IV*8559299**72.48*72.48*0
NTE*ZZZ*DESCRIPTION ADJUSTMENTS TO INVOICE
REF*PO*852963
REF*ST*10001.05
DTM*003*20221118
SE*15*0001
GE*1*3000184
IEA*1*003000184
```