BEST BUY

ECommerce

Electronic Data Interchange

Purchase Order Change
X.12 4010 860

Implementation Guide

Release Date: November 23, 2014

Table of Contents

Summary of Changes

Date	Name	Section	Description of Change	Reason for Change
Dec. 13, 2000	Farrokh Hafizi-Moori		Document Created.	To facilitate the implementation of EDI 860 in Renaissance Program.
May 10, 2002	Tyler MacDonald		Modification of DTM qualifier from 037 to 071	Clarification of shipment dates
Nov 23, 2009	Ben Pun		New segment, PID added. Updated contacts	Including SKU description to facilitate creation of new SKU for an existing PO

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 your Best Buy contact information. Specifically, you will find the following information about your Business and Technical Contact Person at Best Buy:

- Name
- Title
- Telephone Number
- Fax Number
- Electronic Mail Address

You will also find the following information about Best Buy Corporate Offices:

- Head Office Conventional Mail Address
- Head Office Telephone Number
- Head Office Fax Number
- Best Buy Home Page Web Address

Purpose of This Transaction

In this section, you will find a brief description of the business purposes of this document and how Best Buy 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 Best Buy supports and intends to use with our Trading Partners in Electronic Data Interchange.

Document Specifications

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

Customizations and Special Instructions
In this section, you will find a list of customizations to standards and special instructions that Best Buy would like to share with our Trading Partners.
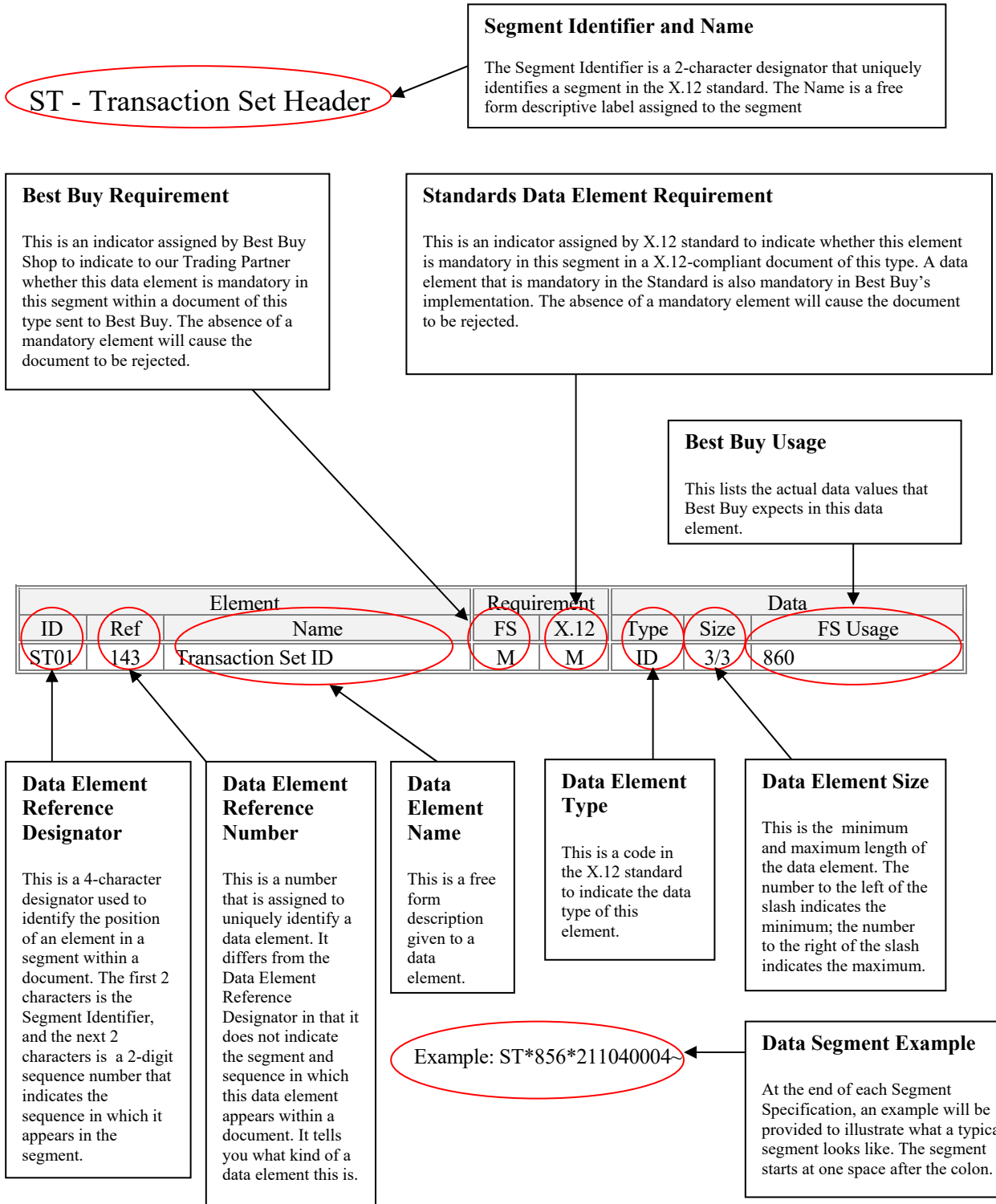
Segment Specifications
In this section, you will find a detail definition of each segment. You will find out which data elements are included in each segment, and all the necessary information regarding each element.

Sample Document
In this section, you will find a sample document of the Best Buy Implementation of this transaction set.

Document Conventions

Interpreting Segment Specifications

Segment Identifier and Name

The Segment Identifier is a 2-character designator that uniquely identifies a segment in the X.12 standard. The Name is a free form descriptive label assigned to the segment

ST - Transaction Set Header

Best Buy Requirement

This is an indicator assigned by Best Buy Shop to indicate to our Trading Partner whether this data element is mandatory in this segment within a document of this type sent to Best Buy. 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 Best Buy's implementation. The absence of a mandatory element will cause the document to be rejected.

Best Buy Usage

This lists the actual data values that Best Buy expects in this data element.

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
ST01	143	Transaction Set ID	M	M	ID	3/3	860

Data Element Reference Designator

This is a 4-character designator used to identify the position of an element in a segment within a document. The first 2 characters is the Segment Identifier, and the next 2 characters is a 2-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*856*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 an unique identifier of usually 2 or 3 characters long. This identifier serves as a label for the data within the segment.
Data Element Reference Designator	This is a structured 4-character designator used to identify the position of an element in a segment within a document. The first 2 characters is the Segment Identifier, and the next 2 characters is a 2-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.

Best Buy Requirement Indicator

This is an indicator assigned by Best Buy 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 Best Buy. Please note that:

- Segments and Elements that are mandatory in the X.12 standards are also mandatory by default in Best Buy'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 Best Buy's Implementation.
- The absence of a mandatory segment or element will cause the document to be rejected.

The valid values for 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.

Best Buy Usage   This is a list of values of what Best Buy 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

Business Contact

Name	EDI Coordinator
Electronic Mail	edi@bestbuycanada.ca

Technical Contact

Name	EDI Technical Team
Electronic Mail	edi@bestbuycanada.ca

Corporate Information

Head Office Conventional Mail Address	8800 Glenlyon Parkway, Burnaby, BC, V5J 5K3, Canada
Head Office Telephone Number	(604) 435-8223
Head Office Fax Number	(604) 412-5280
Best Buy Web Store Address	www.bestbuy.ca

Purpose of This Transaction

The transaction set can be used to provide for customary and established business and industry practice relative to any change in purchase orders for goods and services. This transaction set should be used to convey purchase order changes or purchase order acknowledgment information.

Best Buy intends to use this transaction to update any changes in Purchase Orders for goods and services electronically with our trading partners.

Standard and Version

Preferred Standard and Version

Standard	Version
X.12	004010

Also Supports

Standard	Version

Notes: N/A

Segment Summary

Overview of Segments

Segment		Requirement			Data
ID	Name	FS	X.12	Loop Level	Purpose
ISA	Interchange Control Header	M	M		Starts the interchange and identifies sending and 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
BCH	Beginning Seg. for PO Change	M	M		Indicate the beginning of the purchase order change transaction set and transmit identifying numbers and dates
CUR	Currency	O	O		Specify the currency used in a transaction
REF	Reference Nos.	O	O		Specify the source application creating this order
FOB	FOB Instructions	O	O		Specify transportation instructions relating to shipment
DTM	Date /Time	M	O		Specify pertinent dates and times
N1	Name	M	O		Identify a party by type of organization name and code. Best Buy uses this segment to convey the Bill To information and Ship To information
N3	Address Information	O	O		Identify the street address information
N4	Geographic Loc.	O	O		Identify the City, Province, Postal Code and Country
POC	Line Item Change	M	O	1	Specifies the line that it's item has been changed
PID	Product Item Description	M	O	1	Describe a product or process in coded or free-form format
CTT	Transaction Totals	M	M		Transmit a hash total for a specific element in the transaction set
AMT	Monetary Amount	O	M		To indicate the total monetary amount
SE	Transaction Set Trailer	M	M		Indicate the end of the transaction set and provide the count of the transmitted segments

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

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS 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	"12" Best Buy's Sender Qualifier
ISA06	I06	Interchange Sender ID	M	M	AN	15/15	"6044358223FCD" Best Buy's Sender ID
ISA07	I05	Interchange ID Qualifier	M	M	ID	2/2	Trading Partner Receiver Qualifier
ISA08	I07	Interchange Receiver ID	M	M	AN	15/15	Trading Partner 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" or "T" "P" for Production Data, and "T" for Test
ISA16	I15	Subelement Separator	M	M	AN	1/1	^

Example:

```
ISA*00*          *00*             *12*6044358223FCD  *ZZ*123456789012345
*010115*1556*U*00401*000000537*0*P*^~
```

GS - Functional Group Header

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
GS01	479	Functional Identifier Code	M	M	ID	2/2	"PC"
GS02	142	Application Sender's Code	M	M	AN	2/15	"6044358223FCD" Best Buy's Sender 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*PC*6044358223FCD*123456789012345*20010115*1556*94*X*004010~

ST – Transaction Set Header

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	143	Transaction Set Identifier Code	M	M	ID	3/3	"860"
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*860*0001~
```

BCH – Beginning Segment for Purchase Order Change

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	353	Transaction Set Purpose Code	M	M	ID	2/2	"04" Original "01" Cancellation
02	92	Purchase Order Type Code	M	M	ID	2/2	"CP" New Order
03	324	Purchase Order Number	M	M	AN	1/22	BestBuy Purchase Order Number
06	323	Purchase Order Change Date	M	M	DT	8/8	Purchase Order Processed Date "CCYYMMDD"

Example:

```
BCH*04*CP*00000001**20010110~
```

CUR – Currency (Optional Segment)

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	98	Entity Identifier Code	M	M	ID	2/3	"CQ" Corporate Office
02	100	Currency Code	M	M	ID	3/3	See Note CUR02

Example:

```
CUR*CQ*CAD~
```

Notes:

CUR02: A list of currency codes supported by Best Buy

Code	Description
AUS	Australia Dollar
CAD	Canadian Dollar
MEX	Mexican New Peso
USD	US Dollar
YEN	Japanese Yen

REF – Reference Numbers   (Optional Segment)

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	128	Reference Number Qualifier	M	M	ID	2/3	"ZS" Software Application Number "ZA" BestBuy Internal Supplier Code
02	127	Reference Number	C	M	AN	1/30	See Note REF02

Example:

```
REF*ZS*RMS~
REF*ZA*222654~
```

Notes:

REF02: A list of source applications at Best Buy

Code	Description	Used By
RMS	Best Buy Merchandising System	Product Management, Inventory Management
OFIN	Best Buy Financial System	Accounting
ICS	Best Buy Web Store Server	Web Store
ZA	BestBuy Internal Supplier Code	Future Use

FOB – FOB Related Instructions (Optional Segment)

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	146	Shipment Method of Payment	M	M	ID	2/2	
02	309	Location Qualifier	C	M	ID	1/2	Qualifier for Transportation Location
03	352	Description	O	M	AN	1/80	Description for Transportation Location
06	309	Location Qualifier	C	M	ID	1/2	Qualifier for Title passage location
07	352	Description	O	M	AN	1/80	Description for Title passage location

Example:

```
FOB*CC*OR*Origin***WH*Warehouse~
```

DTM – Date Time Reference

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	374	Date Time Qualifier	M	M	ID	3/3	See Note DTM01
02	373	Date	C	M	DT	8/8	
03	337	Time	C	M	TM	4/8	

Example:

`DTM*071*20010115*0945~`

Notes:

DTM01: Date Time Qualifier used by Best Buy

Qualifier	Description	Usage
071	Requested for Delivery	This is the earliest date on which Best Buy/Best Buy will accept delivery of the order
038	Deliver No Later	This is the latest date on which Best Buy/Best Buy will accept delivery of the order

N1 – Name

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	98	Entity Identifier Code	M	M	ID	2/3	"BT" – Bill To "ST" – Ship To
02	93	Name	C	M	AN	1/60	Not Used.
03	66	ID Code Qualifier	C	M	ID	1/ 2	"92" Assigned by Buyer or Buyer's Agent
04	67	ID Code	C	M	AN	2/80	Best Buy Location Code. See Note N102.
06	98	Entity Identifier Code	O	M	ID	2/3	Not used with Bill To. Used with Ship To. "WH" – Warehouse "SN" - Store

Example:

```
N1*BT**92*0000~
N1*ST**92*1001*WH~
```

Notes: List of Best Buy Locations will be supplied separately. Best Buy's Corporate Head Office will be referred to as 0000.

N3 – Address Information

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	166	Address Information	M	M	AN	1/55	Street Address
02	166	Address Information	O	O	AN	1/55	Street Address

Example:

```
N3*8800 GLENLYON PARKWAY~
```

Notes: List of Best Buy Locations will be supplied separately.

N4 – Geographic Location

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	19	City Name	O	O	AN	2/30	
02	156	State or Province Name	O	O	ID	2	
03	116	Postal Code	O	O	ID	3/15	
04	26	Country Code	O	O	ID	2/3	

Example:

```
N4*BURNABY*BC*V5J 5K3*CAN~
```

POC – Line Item Change

	Element		Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	350	Assigned Identification	O	M	AN	1/20	Line number
02	670	Change or Response Type Code	M	M	R	2/2	"RZ"
03	330	Quantity Ordered	O	M	ID	1/15	Decimal Number
04	671	Quantity Left To Receive	C	M	R	1/9	Decimal Number
05	639	Composite Unit of Measure	C	M	ID	0/0	"EA" or "CA"
06	212	Unit Price	C	M	R	1/17	
07	639	Basis of Unit Price Code	O	M	ID	2/2	"PE"
08	235	Product Service ID Qualifier	C	C	ID	2/2	"BP"
09	234	Product Service ID	C	C	AN	1/48	Best Buy SKU No.
10	235	Product Service ID Qualifier	C	C	ID	2/2	"UP"
11	234	Product Service ID	C	C	AN	1/48	UPC Number
12	235	Product Service ID Qualifier	C	C	ID	2/2	"VP"
13	235	Product Service ID	C	C	AN	1/48	Vendor Part Number
14	235	Product Service ID Qualifier	C	O	ID	2/2	"VE"
15	234	Product Service ID	C	C	AN	1/48	Supplier Color
16	235	Product Service ID Qualifier	C	O	ID	2/2	"SZ"
17	234	Product Service ID	C	C	AN	1/48	Supplier Size

Example:

```
POC*1*20*33*12*EA*12*PE*BP*80712345*UP*123456789012345*VP*12121~
```

PID – Product Item Description

	Element		Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	349	Item Description Type	M	M	ID	1/1	"F" Free Form
05	352	Description	C	M	AN	1/80	Free Form Description of the Item

Example:

```
PID*F****HELLO WORLD~
```

CTT – Transaction Totals

	Element		Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	354	Number of Line Items	M	O	N0	1/6	
02	347	Hash Total	M	O	R	1/10	

Example:

```
CTT*1~
```

AMT – Monetary Amount

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	522	Amount Qualifier Code	M	O	ID	1/3	
02	782	Monetary Amount	M	O	R	1/18	

Example:
 ATM*1*125~

SE– Transaction Set Trailer

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS 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*12321~

GE – Functional Group Trailer

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS 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	FS	Type	Size	FS 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 Document

```
ISA*00*          *00*          *12*6044358223FCD  *ZZ*DHLICCDL        *091022*1608*U*00401*000001005*0*P*^~
GS*PO*6044358223FCD*36080*20091022*1608*1005*X*004010~
ST*860*1005~
BCH*04*CP*30558248***20091020~
CUR*CQ*USD~
REF*ZS*RMS~
REF*ZA*433231~
DTM*071*20091024*0000~
DTM*038*20091028*2359~
N1*ST*BEST BUY*92*1003**WH~
N3*6110 CANTAY ROAD~
N4*MISSISSAUGA*ON*L5T 1T3*CAN~
POC*1*RZ*0*0*EA*228.17*PE*BP*10098198*UP*400100115589*VP*NS-LTDVD19-09CA~
PID*F****INSIGNIA NS-LTDVD1909CA 19" LCD/DVD TV~
POC*2*RZ*0*0*EA*235*PE*BP*10077880*UP*400100100905*VP*NS-15CLTV~
PID*F****INSIGNIA NS 15CLTV 15" LCD/DVD COMBO TV~
POC*3*RZ*0*0*EA*150*PE*BP*10047071*UP*600603101373*VP*IDP-720~
PID*F****INSIGNIA I-PD 720  7" PORTABLE DVD~
POC*4*RZ*0*0*EA*140*PE*BP*10064769*UP*600603104572*VP*SDP-1280~
PID*F****INSIGNIA IS-PDVD10 10.2" PORTABLE DVD~
POC*5*RZ*0*0*EA*103*PE*BP*10086194*UP*600603112706*VP*NS-PDVD8A~
PID*F****INSIGNIA NS-PDVD8A PORTABLE DVD PLAYER~
POC*6*RZ*0*0*EA*487.14*PE*BP*10098197*UP*600603116063*VP*NS-LTDVD32-09~
PID*F****INSIGNIA NSLTDVD3209 32" LCD/DVD TV~
CTT*6*0~
SE*24*1005~
GE*1*1005~
IEA*1*000001005~
```