

BEST BUY CANADA LTD.



ECommerce

Electronic Data Interchange

Product Activity Data

852 Implementation Guide
ANSI X12 Version 4010

Date: August 26, 2004

Version 1.01

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Summary of Changes

Date	Name	Section	Description of Change	Reason for Change
Sept. 04, 2012	Ben Pun	ZA, SDQ		WR106866

Structure of This Guide

<i>Summary of Changes</i>	<p>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:</p> <ul style="list-style-type: none">● 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
<i>Structure of This Guide</i>	<p>In this section, you will find a high level description of what is in each section of this guide.</p>
<i>Document Conventions</i>	<p>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.</p>
<i>Key Terms</i>	<p>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.</p>
<i>Contact Information</i>	<p>In this section, you will find your Best Buy/Future Shop contact information. Specifically, you will find the following information about your Business and Technical Contact Person at Best Buy/Future Shop:</p> <ul style="list-style-type: none">● Name● Title● Telephone Number● Fax Number● Electronic Mail Address <p>You will also find the following information about Best Buy/Future Shop Corporate Offices:</p> <ul style="list-style-type: none">● Head Office Conventional Mail Address● Head Office Telephone Number● Head Office Fax Number● Best Buy/Future Shop Home Page Web Address
<i>Purpose of This Transaction</i>	<p>In this section, you will find a brief description of the business purposes of this document and how Best Buy/Future Shop intends to achieve these through the use of this transaction set.</p>
<i>Standard and Version</i>	<p>In this section, you will find the Electronic Data Interchange Standards and Version of these Standards that Best Buy/Future Shop supports and intends to use with our Trading Partners in Electronic Data Interchange.</p>
<i>Document Specifications</i>	<p>In this section, you will find an overview of all the segments that Best Buy/Future Shop uses in this transaction sets. You will find out whether these segments are mandatory or optional, and what their purposes are.</p>

***Customizations
and Special
Instructions
Segment
Specifications***

In this section, you will find a list of customizations to standards and special instructions that Best Buy/Future Shop would like to share with our Trading Partners.

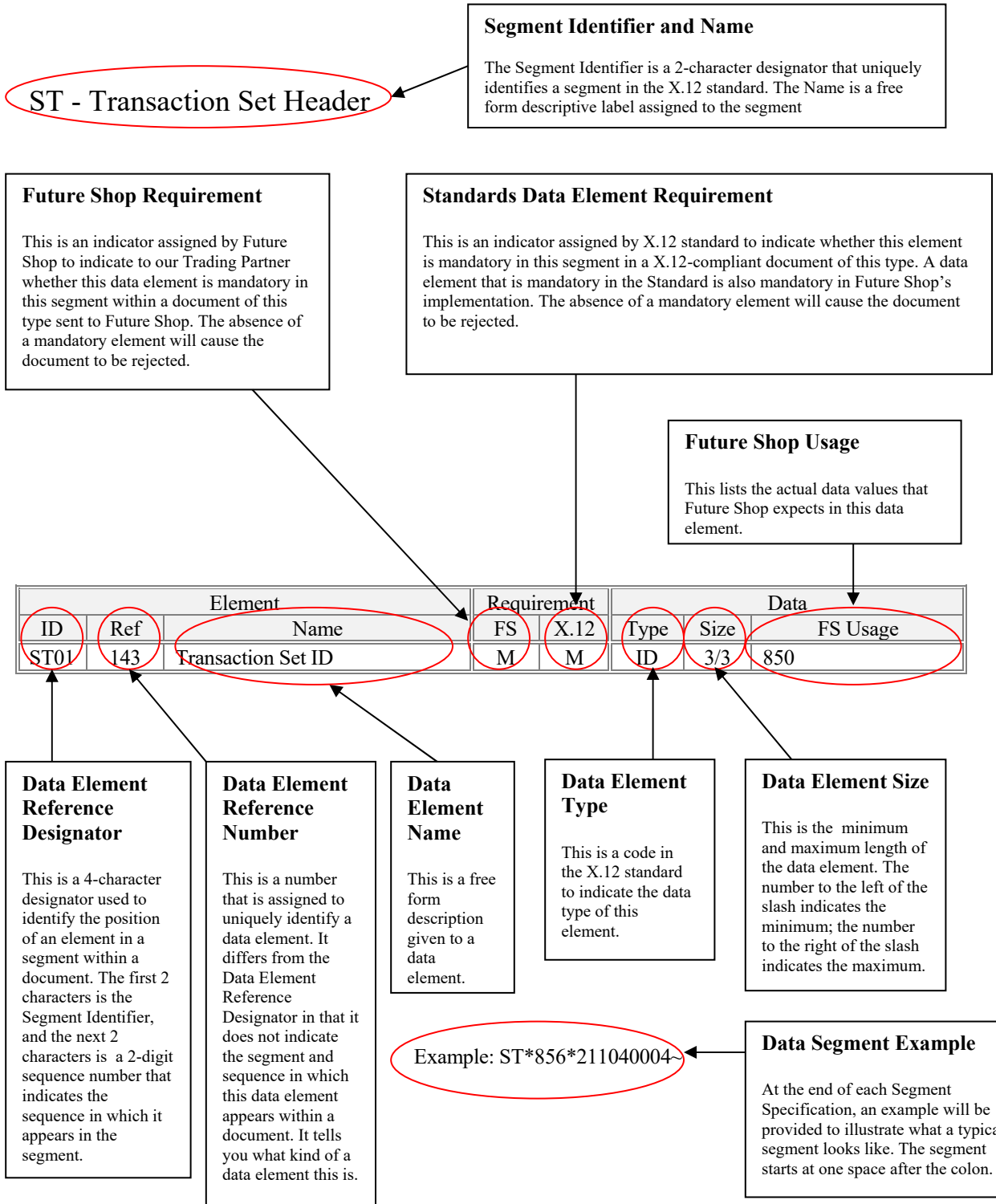
In this section, you will find a detail definition of each segment. You will find out which data elements are included in each segment, and all the necessary information regarding each element.

Sample Document

In this section, you will find a sample document of the Best Buy/Future Shop Implementation of this transaction set.

Document Conventions

Interpreting Segment Specifications



Key Terms

<i>Segment Identifier</i>	Each segment has a unique identifier of usually 2 or 3 characters long. This identifier serves as a label for the data within the segment.
<i>Data Element Reference Designator</i>	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.
<i>Data Element Reference Number</i>	This is a number that is assigned to uniquely identify a data element. It differs from the Data Element Reference Designator in that it does not indicate the segment and sequence in which this data element appears within a document. It 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.
<i>Data Element Name</i>	This is a free form description given to a data element. This name is assigned by the X.12 committee, and corresponds to the name that is given in the ASC X.12 Data Dictionary.
Best Buy/Future Shop Requirement Indicator	<p>This is an indicator assigned by Best Buy/Future Shop 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/Future Shop. Please note that:</p> <ul style="list-style-type: none"> ● Segments and Elements that are mandatory in the X.12 standards are also mandatory by default in Best Buy/Future Shop's Implementation. ● The absence of a mandatory segment or element will cause the document to be rejected. <p>The valid values of this indicator are:</p> <ul style="list-style-type: none"> ● M – This indicates that the segment or element is Mandatory ● O – This indicates that the segment or element is Optional
<i>X.12 Requirement Indicator</i>	<p>ASC X.12 standard requires certain segments in a transaction set and certain elements within a segment be always present in a transmitted document, and that certain segments and elements be present should other segments and elements 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:</p> <ul style="list-style-type: none"> ● Segments and Elements that are mandatory in the X.12 standards are also mandatory by default in Best Buy/Future Shop's Implementation. ● The absence of a mandatory segment or element will cause the document to be rejected. <p>The valid values of this indicator are:</p> <ul style="list-style-type: none"> ● M – This indicates that the segment or element is Mandatory ● O – This indicates that the segment or element is Optional ● C – This indicates that the segment or element is Conditionally Mandatory. If certain other segments or elements are used in the same document or segment, this segment must also be present. 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/Future Shop Usage

This is a list of values of what Best Buy/Future Shop 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

Technical Contact

Name	Pearlsa Bintomani
Title	EDI Production Owner
Telephone	(604) 412-1907
Fax	(604) 412-5264
Electronic Mail	pbintomani@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.BestBuyCanada.ca
Best Buy/Future Shop EDI Team Electronic Mail	edi@bestbuycanada.ca

Purpose of This Transaction

Draft Standard for trial Use contains the format and establishes the data contents of the Product Activity Data Transaction Set (852) for use within the context of an EDI environment. The transaction set can be used by a distributor, warehouse, or retailer to advise a trading partner of inventory, sales and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets

The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

Standard and Version

Preferred Standard and Version

Standard	Version
ANSI X.12	4010

Also Supports

Standard	Version

Notes

No other version will be supported at this moment.

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
XQ	Reporting Date/Action	M	M		Specifies reporting date and action to be taken
NI	Name	M	O		Identifies a party by type of organization name and code.
LIN	Item Identification	M	M	1	Specifies basic item identification data
ZA	Product Activity Reporting	M	O	1	Provides activity details concerning product being reported
SDQ	Destination Quantity	M	O	2	Specifies destination and quantity detail
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 end of a functional group and to provides control information
IEA	Interchange Control Trailer	M	M		Defines the end of an interchange of zero or more functional groups and interchange related control segments

Segment Delimiters

Type	Name	Character	Hex	Dec
Segment Delimiter	Tilde	~	7E	126
Element Separator	Asterisk	*	2A	42
Sub-element Separator	Caret	^	5E	94

Customizations and Special Instructions

Currently there are no special or customized instructions for this transaction set.

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/Future Shop’s Sender Qualifier
ISA06	I06	Interchange Sender ID	M	M	AN	15/15	“6044358223FCD” Best Buy/Future Shop’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
*000521*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	“PD”
GS02	142	Application Sender’s Code	M	M	AN	2/15	“6044358223FCD” Best Buy/Future Shop’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*PD*6044358223FCD*123456789012345*20000521*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	“852”
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*852*0001~

XQ – Reporting Date/Action

Field	ID	Field Name	Requirement		Type	Size	Best Buy/Future Shop Usage	
			FS	X12			Data	Description
XQ01	305	Transaction Handle Code	M	M	ID	1/2	H or Z	“H” for Notification Only “Z” for Mutually Defined
XQ02	373	Date	M	M	DT	8/8	CCYYMMDD	Reporting Period Start Date
XQ03	373	Date	O	O	DT	8/8	CCYYMMDD	Reporting Period End Date

Example: XQ*H*20000909*20000916

N1 – Name

Field	ID	Field Name	Requirement		Type	Size	Best Buy/Future Shop Usage	
			FS	X12			Data	Description
N101	98	Entity Identifier Code	M	M	ID	2/3	DU	“DU for Resale Dealer
N102	93	Free Form Name	M	C	AN	1/60	Best Buy/Future Shop	
N103	66	Identification Code Qualifier	M	C	ID	1/2	12	
N104	67	Identification Code	M	C	AN	2/80	6044358223FCD	

Example: N1*DU*BEST BUY/FUTURE SHOP LTD*12*6044358223FCD

LIN – Item Identification

Field	ID	Field Name	Requirement		Type	Size	Best Buy/Future Shop Usage	
			FS	X12			Data	Description
LIN01	350	Assigned ID	O	O	AN	1/20		
LIN02	235	Product/ Service ID Qualifier	M	M	AN	2/2	VP	Vendor Part Number
LIN03	234	Product/ Service ID	M	M	AN	1/48		Vendor Part for the item
LIN04	235	Product/ Service ID Qualifier	M	C	AN	2/2	UP	UPC
LIN05	234	Product/ Service ID	M	C	AN	1/48		UPC for the item
LIN06	235	Product/ Service ID Qualifier	M	C	AN	2/2	BP	Buyer's Part Number
LIN07	234	Product/ Service ID	M	C	AN	1/48		Best Buy/Future Shop SKU Number for the item

Conditionality: LIN02/LIN03, LIN04/LIN05, and LIN06/LIN07 are paired elements. If either data element is present then the other is required.

Example: LIN**VP*840567N*UP*659556422479*BP*10000579

ZA – Product Activity Reporting

Field	ID	Field Name	Requirement		Type	Size	Best Buy/Future Shop Usage	
			FS	X12			Data	Description
ZA01	859	Activity Code	M	M	ID	2/2	QS QU	Quantity Sold Quantity Returned (by Consumer)

Example: ZA*QS
 SDQ*EA*92*0058*4
 ZA*QU
 SDQ*EA*92*0058*2

Notes:
 Qualifier 'QS' - This qualifier identifies quantities of an item that were sold to the consumer
 Qualifier 'QU' - This qualifier identifies quantities of an item that were Returned by the Consumer

SDQ – Destination Quantity

Field	ID	Field Name	Requirement		Type	Size	Best Buy/Future Shop Usage	
			FS	X12			Data	Description
SDQ01	355	Unit or Basis for Measurement Code	M	M	AN	2/2	EA	Each
SDQ02	66	Identification Code Qualifier	M	O	ID	1/2	92	
SDQ03	67	Identification Code	M	M	AN	2/80	Store	
SDQ04	380	Quantity	M	M	R	1/15		

Example: SDQ*EA*92*0058*0

SE– Transaction Set Trailer (*Mandatory*)

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*19295*0001

GE – Functional Group Trailer (*Mandatory*)

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	This number should correspond to the appropriate GS Control Number in GS06.

Example: GE*1*25

IEA – Interchange Control Trailer (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	X.12	FS	Type	Size	FS Usage
01	116	Number of Included Functional Groups	M	M	N0	1/5	
02	112	Interchange Control Number	M	M	N0	9/9	This number should correspond to the appropriate ISA Control Number in ISA13.

Example: IEA*1*000000027

Sample Document

ISA*00* *00* *ZZ*SENDERT *ZZ*RECEIVER *121030*1219*U*00401*000000025*0*P*>
GS*PD*SENDER*RECEIVER*20121030*1219*25*X*004010
ST*852*250001
XQ*H*20121012*20121018
N1*DU*FUTURE SHOP LTD*12*6044358223FCD
LIN**VP*543-01149*UP*659556647797*BP*10007368
ZA*QS
SDQ*EA*92*0957*1
LIN**VP*208060*UP*659556745165*BP*10010171
ZA*QS
SDQ*EA*92*0961*1
ZA*QS
SDQ*EA*92*0903*1
ZA*QS
SDQ*EA*92*0987*1
LIN**VP*R86-00005*UP*805529709737*BP*10033675
ZA*QU
SDQ*EA*92*0949*-1
ZA*QU
SDQ*EA*92*0949*-1
LIN**VP*45486G*UP*805529785236*BP*10047675
ZA*QS
SDQ*EA*92*0979*1
ZA*QS
SDQ*EA*92*0610*1
ZA*QS
SDQ*EA*92*0624*2
LIN**VP*36966M*UP*885370222937*BP*10148095
ZA*QS
SDQ*EA*92*0602*1
ZA*QS
SDQ*EA*92*0070*1
SE*31*250001
GE*1*25
IEA*1*000000025