

BEST BUY CANADA LTD.



FUTURE SHOP

ECommerce

Electronic Data Interchange

Invoice

X.12 v.4010 810

Implementation Guide

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Version 1.5

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Summary of Changes

Date	Name	Section	Description of Change	Reason for Change
April 24, 2002	Tyler MacDonald		Creation of EDI 810 Imp Guide	
August 22, 2002	Pardeep Sidhu		Add Best Buy/Future Shop Logo	To reflect new Corporate name and two divisions (Best Buy and Future Shop)
August 27, 2002	Pardeep Sidhu		All 3 occurrences of the N1 segment mandatory.	Accounting requires Ship To, Bill To, Remit To data transmitted in the 810 message.
Sept. 3, 2002	Pardeep Sidhu		Change SAC Segment loop repetitions	SAC loop repetitions aligned with V4010 definitions
Feb 5, 2003	Pardeep Sidhu		Multiple Changes.	<p><u>BIG</u> – Debit Invoices Only</p> <p><u>N3</u> – Added N302 data element</p> <p><u>ITD</u> – Clarification and additional examples.</p> <p><u>DTM</u> – Eliminated segment usage.</p> <p><u>IT1</u> – Additional codes for IT105 and conditionality for other elements.</p> <p><u>PID</u> – Mandatory Segment. SKU Description Mandatory.</p> <p><u>REF</u> – Eliminated segment usage.</p> <p><u>TDS</u> – Additional clarification and example.</p> <p><u>CAD/SAC/ISS/PID</u> – Eliminated segment usage.</p>

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>Segment Summary</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>
<i>Customizations and Special Instructions</i>	<p>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.</p>
<i>Segment Specifications</i>	<p>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.</p>
<i>Sample Document</i>	<p>In this section, you will find a sample document of the Best Buy/Future Shop Implementation of this transaction set.</p>

Document Conventions

Interpreting Segment Specifications

Segment Identifier and Name

The Segment Identifier is a 2 or 3 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

Future Shop Requirement

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

Future Shop Usage

This lists the actual data values that Future Shop 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	810

Data Element Reference Designator

This is a 4 or 5 character designator used to identify the position of an element in a segment within a document. The first 2 or 3 characters is the Segment Identifier, and the next 2 characters are 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*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

<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.
<i>Best Buy/Future Shop Requirement Indicator</i>	<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 n 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	Pardeep Sidhu
Title	EDI Technical Team Lead
Telephone	(604) 412-1694
Fax	(604) 412-5264
Electronic Mail	psidhu@bestbuycanada.ca

Corporate Information

Canadian Head Office Mailing 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 Canada Web Store Address	www.BestBuyCanada.ca
Future Shop Web Store Address	www.futureshop.ca
Best Buy/Future Shop EDI Team Electronic Mail	edi@bestbuycanada.ca

Purpose of This Transaction

This transaction set will be used to load invoice information directly into Best Buy/Future Shop's back-end systems. This will eliminate the need for manual invoice entry. The information being captured is all information currently associated with hard copy invoices that Best Buy/Future Shop receives from its trading partners.

Standard and Version

Preferred Standard and Version

Standard	Version
X.12	004010

Notes

Segment Usage 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
BIG	Beginning Segment for Ship Notice	M	M		Indicates the start of an Invoice. Contains Invoice number, PO number and related dates.
NTE	Note / Special Instructions	O	O		Note field.
CUR	Currency	M	O		Indicates which currency is in use on the invoice.
REF	Reference Field	O	O		Miscellaneous Invoice header information.
N1	Company Name	M	O		Names for the Bill To (BT), Remit To (RI), and Ship To (ST) locations.
N3	Address	M	O		Address Information.
N4	Location	M	O		Geographic Location.
PER	Administrative Communication contact	O	O		Business Communication Contact.
ITD	Terms of Sale / Deferred Terms of Sale	M	O		Invoice Payment Terms.
DTM	Date / Time Reference	O	O		Not Used.
IT1	Baseline Item Data	M	O		Invoice Detail Line Items: Price, Quantity, Unit of Measure, Sku, UPC etc...
PID	Product / Item Description	M	O		Invoice Detail Line Item description : Make, Model etc...
REF	Reference Field	O	O		Not Used.
TDS	Total Monetary Value Summary	M	M		Total Monetary values of the Invoice. Total amount owed, Sub-total (before taxes).
TXI	Tax Information	M	O		Taxation Information, including total Taxes owed on the Invoice and type of taxes.
CAD	Carrier Detail	O	O		Not Used.
SAC	Service	O	O		Not Used.
ISS	Invoice Shipment Summary	O	O		Not Used.
PID	Product / Item Description	O	O		Not used.
CTT	Transaction Totals	M	O		Number of Line Items.
SE	Transaction Set Trailer	M	M		Indicates 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 provide 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

Segment Hierarchy/Looping Summary

<u>Segment Identifier</u>	<u>Segment Name</u>	<u>Repeat</u>	<u>Loop Repeat</u>
ST	Transaction Set Header	1	
BIG	Beginning Segment for Invoice	1	
NTE	Note / Special Instructions	100	
CUR	Currency	1	
REF	Reference Identification	12	
N1	Name	1	200
N3	Address Information	2	
N4	Geographic Location	1	
PER	Administrative Communication Contact	3	
ITD	Terms of Sale/Deferred Terms of Sale	>1	
DTM	Date / Time Reference	10	
IT1	Baseline Item Data (Invoice)	1	200000
PID	Product / Item Description	1	
REF	Reference Identification	>1	
TDS	Total Monetary Value Summary	1	
TXI	Tax Information	10	
CAD	Carrier Detail	1	
SAC	Service/Allowance/Charge Information		25
ISS	Invoice Shipment Summary	1	>1
PID	Product / Item Description	1	
CTT	Transaction Totals	1	
SE	Transaction Set Trailer	1	

Note:

The “>1” notation is used to represent any number of occurrences up to 999,999.

Customizations and Special Instructions

- There is a one-to-one relationship between Invoice Number and Purchase Order Number in Best Buy/Future Shop's Systems; as a result, one Invoice document can refer to one Purchase Order only. However, there can be more than 1 Invoice related to a particular PO, with each Invoice being a separate document and related to the same PO Number.
- Best Buy/Future Shop requires Invoices to have a one-to-one relationship with Packing Slips. Each Invoice should refer to 1 (and only 1) packing slip. With this being the case, we would like the packing slip number to be included in the REF segment, using the qualifier 'PK' in the 01 element.
- Currency reported in the CUR segment MUST be the same as the currency listed on the Purchase Order. EDI 810 document will be rejected where the currency for the Invoice does not match the currency on the EDI 850 Purchase Order.
- Please note that in the IT1 segment, element 01 is the Purchase order Line Number. The Line Number from the original Best Buy/Future Shop PO containing the listed SKU is what gets returned in the IT101 element.
- Please note the PID Segment in the IT1 Loop is Mandatory. The SKU description must appear in the PID segment.
- Trading Partners that charge GST to Best Buy/Future Shop on their invoices must supply their GST Registration Number in the REF segment.

CREDIT INVOICE

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Buy Buy/Future Shop will define the Business Rules and Segments for transmitting Credit Invoice via EDI at a later date.

Segment Specifications

ISA - Interchange Header (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	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	Sender Qualifier
ISA06	I06	Interchange Sender ID	M	M	AN	15/15	Sender ID
ISA07	I05	Interchange ID Qualifier	M	M	ID	2/2	“12” Best Buy/Future Shop’s Receiver Qualifier
ISA08	I07	Interchange Receiver ID	M	M	AN	15/15	“6044358223FCD” Best Buy/Future Shop’s 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	“1” Acknowledgment 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
*980521*1556*U*00401*000000537*0*P*^~
```


GS - Functional Group Header *(Mandatory)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
GS01	479	Functional Identifier Code	M	M	ID	2/2	“IN”
GS02	142	Application Sender’s Code	M	M	AN	2/15	Trading Partner’s Sender ID
GS03	124	Application Receiver’s Code	M	M	AN	2/15	“6044358223FCD” BEST BUY/FUTURE SHOP’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*IN*123456789012345*6044358223FCD*19980521*1556*94*X*004010~

ST – Transaction Set Header (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	143	Transaction Set Identifier Code	M	M	ID	3/3	“810”
02	329	Transaction Set Control Number	M	M	N0	4/9	A unique ID identifying a transaction set generated for a trading partner

Example:

ST*810*0002~

BIG – Beginning Segment for Invoice (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	373	Date (Invoice)	M	M	DT	8/8	CCYYMMDD
02	76	Invoice Number	M	M	AN	1/22	Invoice Number
03	373	Date (Purchase Order)	O	O	DT	8/8	CCYYMMDD (PO issue Date)
04	324	Purchase Order Number	M	O	AN	1/22	Best Buy/Future Shop PO Number
07	640	Transaction Type Code	M	O	ID	2/2	'DR' or 'CR' (Note 2)

Example:

BIG*20020415*2468008642*20020315*1234567***DR~

Note 1:

The code 'DR' in the BIG07 element is "Debit". Best Buy/Future Shop Systems will only process DR type (Debit) Invoices.

Codes other than 'DR' in the BIG07 data element will result in a rejection of the EDI 810 message.

Note 2:

Best Buy/Future Shop Systems currently **CANNOT** process Credit Invoices (Code CR in BIG 07) via EDI.

Please use manual (Mail/Paper/Fax) processes to send Credit Invoices to Best Buy/FutureShop.

Business Rules and Segments for transmitting Credit Invoices via EDI will be defined at a later date and will be listed at Page 15 of this guide.

NTE – Note / Special Instructions *(Optional)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	363	Identifier	O	O	ID	3/3	'INV' for Invoice Instruction
02	352	Description	C	O	AN	1/80	Text Field

Conditionality: Data elements NTE 01 and NTE 02 are paired elements. If one data element exists then the other **MUST** also be used.

Example:

NTE*INV*This is a text instruction~

Note:

This segment is used to supply any comments or special instructions pertaining to the invoice. This field is text only and currently has no impact on the Invoice amount or the invoice terms.

CUR – Currency (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	98	Entity Identifier Code	M	M	ID	2/3	'CQ' for example is Corporate Office
02	100	Currency Code	M	M	ID	3/3	'CAD' or 'USD'

Example:

CUR*CQ*CAD~

Note:

Currency reported in the CUR segment MUST be the same as the currency listed on the Purchase Order. EDI 810 documents will be rejected where the currency for the Invoice does not match the currency on the corresponding EDI 850 Purchase Order.

REF – Reference Identification *(Optional)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	128	Reference Identification Qualifier	M	M	ID	2/3	For Example 'GT' for GST Registration Number
02	127	Reference Identification	C	C	AN	1/30	Text related to the above qualifier

Conditionality: Data elements REF 01 and REF 02 are paired elements. If one data element exists then the other **MUST** also be used.

Example:

REF*GT*1234567890~

Note 1:

The following is a sample of typical uses for this REF segment:

GT - Goods and Services Tax Registration Number

VN - Vendor Order Number

BM - Bill of Lading Number

PK - Tracking Number

Each type of data requires a separate iteration of the REF loop.

Note 2:

If Federal GST Tax is charged in the TXI segment, then the GST registration number **MUST** be reported in the REF segment (See Note 2 on Page 33).

Note 3:

Best Buy/ Future Shop would like to request that Vendors return a tracking number in the EDI 810 message. The tracking number can be a Packing Slip, Shipment number, etc. which uniquely identifies each shipment and will be recognized by the Vendor's accounting department. This number should be unique for each shipment and hence unique for each Invoice.

Please use the qualifier "PK" to transmit the tracking number.

The tracking number is an optional data element.

N1 – Name: Identification of Bill To, Ship To, Remit To Parties (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	98	Entity Identifier Code	M	M	ID	2/3	'RI' is Remit To 'BT' is Bill To 'ST' is Ship To
02	93	Name	M	C	AN	1/60	'RI' is Trading Partner Company Name 'BT' is Best Buy Canada Ltd. 'ST' is the Location that the product has been shipped to

Conditionality: Data elements N1 01 and N1 02 are paired elements. If one data element exists then the other MUST also be used.

Example:

N1*BT*Best Buy Canada Ltd.~

Note:

All 3 occurrences of the N1 segment are Mandatory.

N3 – Address Information (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	166	Address Information	M	M	AN	1/55	For Example '8800 Glenlyon Parkway'
02	166	Address Information	O	O	AN	1/55	

Example:

N3*8800 Glenlyon Parkway*Suite 100~

N4 – Geographic Location *(Mandatory)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	19	City Name	M	O	AN	2/30	For Example 'Burnaby'
02	156	State or Province Code	M	O	ID	2/2	For Example 'BC'
03	116	Postal Code	M	O	ID	3/15	For Example 'V5J 5K3'
04	26	Country Code	O	O	ID	2/3	For Example 'CA'

Example:

N4*Burnaby*BC*V5J 5K3*CA~

PER – Administrative Communication Contact *(Optional)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	366	Contact Function Code	M	M	ID	2/2	For Example : 'AA' is "Authorized Representative"
02	160	Name	O	O	AN	1/60	Contact's Name
03	365	Communication Number Qualifier	C	C	ID	2/2	'TE' for Telephone
04	364	Communication Number	C	C	AN	1/80	Telephone Number

Conditionality: If either PER 03 and PER 04 is present, then the other is required.

Example:

PER*AA*John Doe*TE*(123) 456-7890~

ITD – Terms of Sale (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	336	Terms Type Code	M	O	ID	2/2	Best Buy/Future Shop accepts the following codes : 01 – DFI 05 – No Discount 06 – Other 07 – Co-op 08 – VIR 22 – MA 50 – ECD
02	333	Terms Basis Date Code	O	O	ID	1/2	1 – Ship date 2 – Delivery Date 3 – Invoice Date 15 – Goods Receipt
03	338	Terms Discount Percent	C	O	R	1/6	Percentage discount offered
04	370	Terms Discount Due Date	O	C	DT	8/8	Date that payment is due by for discount
05	351	Terms Discount Days Due	C	C	N0	1/3	Number of days until discount is no longer available
06	446	Terms Net Due Date	O	O	DT	8/8	Date that full payment is due by
07	386	Terms Net Days	M	O	N0	1/3	Number of days until full payment is due

Usage of the Terms Type Codes are as follows:

ITD 01 codes 01, 07, 08, and 22 are regarded by Best Buy/Future Shop as traditional DFI (Deduct from Invoice).

ECD (Early Cash Discount) is another form of DFI but is excluded in the DFI definition since it relates to the timeliness of the invoice payment whereas all other codes or DFI types are not contingent on the timing of payment.

The percentage indicated in the DFI codes are deducted from the Gross Invoice Amount regardless of when payment is provided.

The description for each of the ITD 01 terms is listed below and followed by specific examples.

DFI Type terms:

- 01 - This code indicates a DFI (Deduct from Invoice) term.
- 07 - This code indicates a Co-op term, where the discounted monetary value is used towards advertising.
- 08 - This code indicates a VIR (Volume Incentive Rebate) term.
- 22 - This code indicates an MA (Merchandising Allowance) term.

Other terms:

- 05 - Discount not applicable.
- 06 - This code indicates a terms type that does not otherwise appear on Best Buy/Future Shop's implementation Guide Listing.
- 50 - This code indicates an ECD (Early Cash Discount) term.

Example 1: ECD and Single DFI
 Terms Discount Due date: 60 days
 Terms Net Due Date: 61 days
 Terms Discount percent, Code 50 - ECD 2%
 Terms Discount Percent, Code 01 - DFI 10%

EDI Notation
 ITD*50*3*2**60**61~
 ITD*01*3*10****61~

Example 2: ECD and Multiple DFI
 Terms Discount Due date: 30 days
 Terms Net Due Date: 31 days
 Terms Discount percent, Code 50 - ECD 1%
 Terms Discount Percent, Code 01 - DFI 1%
 Terms Discount Percent, Code 08 - VIR 2%
 Terms Discount Percent, Code 22 - MA 1%

EDI Notation
 ITD*50*3*1**30**31~
 ITD*01*3*4****31~

Codes 01, 08, 22 should be rolled up to report a single DFI percentage discount.

Example 3: No Discount
 Terms Due date: 45 days

EDI Notation
 ITD*05*3*****45~

Note:

If multiple types of terms are being applied to a single invoice, the ITD segment will repeat once for each set of terms.

The Terms Net Due date and Terms Discount due date should be explicit as opposed to a calculation of Due date minus Invoice date.

DTM – Date/Time Reference *(Not Used)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	374	Date/Time Qualifier	M	M	ID	3/3	Type of Date being submitted
02	373	Date	C	C	DT	8/8	CCYYMMDD
03	337	Time	C	C	TM	4/8	HHMM

Conditionality: Data elements DTM 01 and DTM 02 are paired elements. If one data element exists then the other **MUST** also be used.

Example:

DTM*011*20020515*1234~

Note:

The DTM segment currently is not used by Best Buy/Future Shop.

The DTM segment may be used in the future to capture dates that Best Buy/Future Shop accounting department and Trading Partners feel are relevant to the Invoice.

A sample of typical uses for this field includes:

011 - Ship Date

035 - Delivered Date

071 - Requested Delivery Date

IT1 – Baseline Item Data (Invoice) (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	350	Assigned Identification	O	O	AN	1/20	Purchase Order Line item Identification (PO Line Number)
02	358	Quantity Invoiced	M	C	R	1/10	Quantity of Items being billed on this line
03	355	Unit or Basis for Measurement Code	M	C	ID	2/2	'EA' - Each
04	212	Unit Price	M	C	R	1/17	Item's Invoiced Price
05	639	Basis of Unit Price Code	O	O	ID	2/2	CP – Current Price CT – Contract Price DR – Dealer Price QT – Quoted ST – Standard WH – Wholesale
06	235	Product / Service ID Qualifier	M	C	ID	2/2	'BP'
07	234	Product / Service ID	C	C	AN	1/48	Best Buy/Future Shop Sku #
08	235	Product / Service ID Qualifier	M	C	ID	2/2	'VP'
09	234	Product / Service ID	C	C	AN	1/48	Vendor Part #
10	235	Product / Service ID Qualifier	M	C	ID	2/2	'UP'
11	234	Product / Service ID	C	C	AN	1/48	UPC Code

Conditionality: Data elements IT106/IT107, IT108/IT109, IT110/IT111 are paired elements. If either data element is present then the other is REQUIRED.

Example:

IT1*1*25*EA*123.45*CT*BP*1234567*VP*112233ABC*UP*123456789098765~

Note 1:

IT101 is the Purchase Order line item identification number. If used, this data element should contain the Line Number for the identified item from the original Best Buy/Future Shop Purchase Order.

Note 2:

The calculated sum {Quantity [IT102] multiplied by Unit Price [IT104]} of all IT1 line items MUST equal the amount listed in TDS02 data element.

PID – Product / Item Description (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	349	Item Description Type	M	M	ID	1/1	'F' for Free From
05	352	Description	M	C	AN	1/80	Item Description

Conditionality: Data elements PID01 and PID05 are paired elements. If either data element is present then the other is REQUIRED.

Note:

The PID Segment is Mandatory and must be used to report product description.

Example:

PID*F****Acme Widget 4.0~

REF – Reference Identification (*Not Used*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	128	Reference Identification Qualifier	M	M	ID	2/3	Not Defined
02	127	Reference Identification	C	C	AN	1/30	Reference Numbers.

Conditionality: Data elements REF01 and REF02 are paired elements. If either data element is present then the other is REQUIRED.

Example:

REF*SE*ABC123456~

Note:

The REF segment currently is not used by Best Buy/Future Shop.

The REF Segment may be used in the future to capture Reference Numbers that Best Buy/Future Shop accounting department and Trading Partners feel are relevant to the Invoice in general and the Line items in particular.

A sample of typical uses for REF01/REF02 data elements include:

SE - Serial Numbers

TDS – Total Monetary Value Summary (Mandatory)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	610	Amount	M	M	N2	1/15	Total Invoice Amount
02	610	Amount	M	O	N2	1/15	Invoice Sub-Total amount for Terms Discount Calculation. See Note 1 and Note 2

Example:

TDS*11400*10000~

Note 1:

The TDS 01 element is used to list the Total monetary amount of the invoice **AFTER** Taxes and before Terms Discount or Rebates.

The amounts listed in the TDS 01 data element **MUST** be the same as the amounts listed on **Account Statements** sent by the trading partner to Best Buy/Future Shop Accounting department.

The TDS02 element is used to list the Amount upon which terms discount is calculated. This is the amount **BEFORE** Taxes and without any consideration of discounts or rebates.

Note 2:

The calculated sum {Quantity [IT102] multiplied by Unit Price [IT104]} of all IT1 line items **MUST** equal the amount listed in TDS02 data element. See the example below.

Example:

Invoice Line Number	Description	Quantity Invoiced	Unit Price	Extended Price
IT101	XYZ P100	10	10.00	100.00
IT102	XYZ Y790	5	20.00	100.00
IT103	ZR 100	4	25.00	100.00
IT104	ABC CD 6500	2	50.00	100.00
IT105	ABC CD 9900	40	2.50	100.00

Invoice Sub-Total (TDS02 Data Element) 500.00

+

Taxes (Assume 7 % GST) 35.00

Total Invoice Amount (TDS01 Data Element) 535.00

Note 3:

The amounts listed in TDS01 and TDS02 data elements have an implied decimal. For example, Best Buy/Future Shop systems will interpret the value 11400 as 114.00

TXI – Tax Information (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	963	Tax Type Code	M	M	ID	2/2	CG = GST VA = HST SP = PST ST = QST
02	782	Monetary Amount	M	C	R	1/18	Amount of each type of Tax

Example:

TXI*CG*1234.56~

Note 1:

The TXI segment can be repeated a maximum of 10 times. In Best Buy/Future Shop's 810 document, it should be repeated once for each Tax Type being charged (TXI01) on the Invoice.

Note 2:

If GST Tax is charged and is transmitted in the TXI segment, then the GST Registration Number **MUST** be transmitted in the REF segment (See Note 2 on Page 21).

Note 3:

Trading Partners **MUST** transmit 0.00 in TXI 02 and use CG in TXI 01 if no GST is charged.

CAD – Carrier Detail *(Not Used)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	91	Transportation Method / Type Code	O	O	ID	1/2	For Example, 'M' for Motor (common carrier)
04	140	Standard Carrier Alpha Code	O	C	ID	2/4	This is a 2 to 4 character code uniquely identifying the Carrier
05	387	Routing	O	C	AN	1/35	Text describing the route the product will take
07	128	Reference Identification Qualifier	O	O	ID	2/3	For Example, '2I' for tracking number
08	127	Reference Identification	O	C	AN	1/30	Insert appropriate reference text here

Example:

CAD*M*UPS*VIA ????? CITY*2I*XYZ789~

Note:

The CAD segment currently is not used by Best Buy/Future Shop.

The CAD Segment may be used in the future to capture Carrier details that Best Buy/Future Shop accounting department and Trading Partners feel are relevant to the Invoice.

SAC – Service (*Not Used*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	248	Allowance or Charge Indicator	M	M	ID	1/1	Not currently defined
02	1300	Service	C	C	ID	4/4	For Example, 'A172' for Administrative
05	610	Amount	O	O	N2	1/15	Monetary Amount of the Allowance or Charge
15	352	Description	C	C	AN	1/60	Free Form Description

Example:

SAC*C*A172***1234*****Free Form Description~

Note:

The SAC segment currently is not used by Best Buy/Future Shop.

The SAC segment may be used in the future to capture Service Charges that Best Buy/Future Shop accounting department and Trading Partners feel are relevant to the Invoice.

ISS – Invoice Shipment Summary (*Not Used*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	382	Number of Units Shipped	M	C	R	1/10	Number of Cartons in the Shipment
02	355	Unit of Basis for Measurement Code	M	C	ID	2/2	CT for Carton
03	81	Weight	O	C	R	1/10	Weight of Shipment
04	355	Unit of Basis for Measurement Code	C	C	ID	2/2	Units of measure for Shipment Weight, for example 'KG' for Kilogram

Example:

ISS*10*CT*100*KG~

Note:

The ISS-PID loop currently is not used by Best Buy/Future Shop.

The ISS-PID loop may be used in the future to capture Shipment related data that Best Buy/Future Shop accounting department and Trading Partners feel are relevant to the Invoice.

A sample usage of this segment could include:

Number of Cartons in a shipment, weight, etc.

PID – Product / Item Description (*Not Used*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	349	Item Description Type	M	M	ID	1/1	'F' for Free Form
05	352	Description	M	C	AN	1/80	This element is for the Carton Number.

Example:

PID*F*****1234567890~

Note:

The ISS-PID loop currently is not used by Best Buy/Future Shop.

The ISS-PID loop may be used in the future to capture Shipment related data that Best Buy/Future Shop accounting department and Trading Partners feel are relevant to the Invoice.

A sample usage of this segment could include:

UCC 128 Carton numbers, etc.

CTT – Transaction Totals (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	354	Number of Line Items	M	M	N0	1/6	# of IT1 segments within the 810 document

Example:

CTT*15~

SE– Transaction Set Trailer (*Mandatory*)

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	Type	Size	FS Usage
01	96	Number of Included Segments	M	M	N0	1/10	Note SE01
02	329	Transaction Set Control Number	M	M	AN	4/9	

Example:

SE*100*12321~

Note:

SE01: This is the number of segments between the ST and the SE segments, including the ST and the SE segments.

GE – Functional Group Trailer *(Mandatory)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	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*94~

Note:

The Group Control Number in the GE 02 data element, should correspond to the control number in the GS segment, specifically the GS 06 data element.

IEA – Interchange Control Trailer *(Mandatory)*

Element			Requirement		Data		
ID	Ref	Name	FS	X.12	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~

Note:

The Interchange Control Number in the IEA 02 data element, should correspond to the control number in the ISA segment, specifically the ISA 13 data element.

Sample Document

ISA*00* *00* *ZZ*1234567890 *12*6044358223FCD *020415*2117*U*00401*000001234*0*P*~
GS*IN*1234567890*6044358223FCD*20020415*1812*1234*X*004010~
ST*810*00001~
BIG*20020415*12-34567-89*20020401*1234567***DR~
NTE*INV*This is an EDI Invoice~
CUR*CQ*CAD~
REF*PK*0000123321~
REF*GT*R123456789~
N1*RI*ACME WIDGET CO.*~
N3*1234 SOME STREET~
N4*TOWNSVILLE*BC*A1B 2C3~
PER*AA*John Doe*TE*(123) 456-7890~
N1*BT*BEST BUY CANADA LTD.*~
N3*8800 Glenlyon Parkway~
N4*Burnaby*BC*V5J 5K3~
PER*AA*Mary Doe*TE*(604) 412-1420~
N1*ST*FUTURE SHOP #0001*~
N3*1740 West Broadway~
N4*Vancouver*BC*V6J 1Y1~
ITD*01*3*2.5**15**30~
IT1*4*5*EA*123.45*CT*BP*12345678*VP*123-A-456*UP*9876543210123~
PID*F***ACME WIDGET 1.0~
IT1*1*3*EA*98.76*CT*BP*87654321*VP*654-A-321*UP*1234567890987~
PID*F***ACME WIDGET 2.0 DELUXE~
TDS*97748*91353~
TXI*CG*63.95~
CTT*2~
SE*26*00001~
GE*1*1234~
IEA*1*000001234~