

Electronic Data Interchange

Invoice X12 4010 810

Implementation Guide

Release Date: Dec, 2015

Version 1.6

V1.6

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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.	$\begin{array}{l} \underline{BIG} & - \text{ Debit Invoices Only} \\ \underline{N3} & - \text{ Added N302 data element} \\ \underline{ITD} & - \text{ Clarification and} \\ additional examples. \\ \underline{DTM} & - \text{ Eliminated segment} \\ usage. \\ \underline{IT1} & - \text{ Additional codes for} \\ \overline{IT105} \text{ and conditionality for} \\ other elements. \\ \underline{PID} & - \text{ Mandatory Segment.} \\ \text{SKU Description Mandatory.} \\ \underline{REF} & - \text{ Eliminated segment} \\ usage. \\ \underline{TDS} & - \text{ Additional clarification} \\ and example. \\ \underline{CAD/SAC/ISS/PID} & - \\ \hline \\ \text{Eliminated segment usage.} \end{array}$
Dec 28 2015	<mark>Anup Roy</mark> Guillermo Romero		 Remove all references to Future Shop New Logo PST tax validation for Inventory PO 	 Single Brand PST not allowed for inventory POs TXI – Please check the note 4
Jan 27 2016			Correct Note 5 in TXI section: TDS01 (Total Invoice Amount) and TXI (Sum of Taxes)	

Contact Information

Business Contact

Name	EDI Coordinator
Electronic Mail	edi@bestbuycanada.ca

Technical Contact

Name	EDI Team
Electronic Mail	edi@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.BestBuy.ca
Best Buy Canada EDI Business Team	edi@bestbuycanada.ca
Electronic Mail	

Purpose of This Transaction

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

This transaction set will be used to load invoice information directly into Best Buy Canada'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 Canada receives from its trading partners.

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810

Invoice

Functional Group=

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Not Defi <u>Pos</u>	ned: Id ISA GS	<u>Segment Name</u> Interchange Control Header Functional Group Header	<mark>Req</mark> M M	<u>Max Use</u> 1 1	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u> Must use Must use
Heading	:						
Pos	<u>ld</u>	Segment Name	Req	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	М	1			Must use
020	BIG	Beginning Segment for Ship Notice	М	1			Must use
030	NTE	Note/Special Instructions	0	100			Used
040	CUR	Currency	М	1			Must Use
050	REF	Reference Field	0	12			Used
LOOP II					<u>200</u>		
070	N1	Company Name	М	1			Must use
090	N3	Address	M	2			Must use
100 120	N4 PER	Location Administrative	M O	1 3			Must use Used
120	I LIX	Communication Contact	0	5			Uscu
130	ITD	Terms of Sale/Deferred Terms of Sale	0	>1			Used
140	DTM	Date/Time Reference	0	10			Used
Detail:							
Detail: Pos	ld	Segment Name	Req	Max Use	Repeat	Notes	Usage
Detail: Pos	<u>ld</u>	Segment Name	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
Pos Loop ID	- <u>IT1</u>		0		<u>Repeat</u> 200000	<u>Notes</u>	<u>Usage</u>
Pos Loop ID 010	- IT1	Segment Name Baseline Item Data		<u>Max Use</u> 1	200000	<u>Notes</u>	<u>Usage</u>
Pos Loop ID 010 LOOP II	- <u>IT1</u> IT1 D - PID	Baseline Item Data	O M	1		<u>Notes</u>	
Pos Loop ID 010 LOOP II 060	- IT1 IT1 D - PID PID		0		200000	<u>Notes</u>	<u>Usage</u> Used
Pos Loop ID 010 LOOP II 060 Summai	= <u>IT1</u> IT1 <u>D - PID</u> PID TY:	Baseline Item Data Product/Item Description	O M M	1	200000 <u>1000</u>		Used
Pos Loop ID 010 LOOP II 060 Summar Pos	= <u>IT1</u> IT1 <u>D - PID</u> PID TY: <u>Id</u>	Baseline Item Data Product/Item Description Segment Name	O M M	1 1 <u>Max Use</u>	200000	<u>Notes</u>	Used <u>Usage</u>
Pos Loop ID 010 LOOP II 060 Summai Pos 010	= <u>IT1</u> IT1 PID PID T Y: <u>Id</u> TDS	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary	O M M <u>Req</u> M	1 1 <u>Max Use</u> 1	200000 <u>1000</u>		Used
Pos Loop ID 010 LOOP II 060 Summai Pos 010 020	= IT1 IT1 PID PID TY: Id TDS TXI	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information	O M M M Req M	1 1 <u>Max Use</u> 1 10	200000 <u>1000</u>		Used <u>Usage</u>
Pos Loop ID 010 LOOP II 060 Summar Pos 010 020 030	TXI CAD	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail	O M M M M M O	1 <u>1</u> <u>Max Use</u> 1 10 1	200000 <u>1000</u>		Used <u>Usage</u>
Pos Loop ID 010 LOOP II 060 Summai Pos 010 020	= IT1 IT1 PID PID TY: Id TDS TXI	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information	O M M M Req M	1 1 <u>Max Use</u> 1 10	200000 <u>1000</u>		Used <u>Usage</u>
Pos Loop ID 010 LOOP II 060 Summar Pos 010 020 030	TXI CAD SAC	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail	O M M M M M O	1 <u>1</u> <u>Max Use</u> 1 10 1	200000 <u>1000</u>		Used <u>Usage</u>
Pos 010 Loop ID 010 LOOP II 060 Summar Pos 010 020 030 040 LOOP II 070	= IT1 IT1 PID Y: Id TDS TXI CAD SAC D - CTT CTT	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail	O M M M M M O	1 <u>1</u> <u>Max Use</u> 1 10 1	200000 <u>1000</u> <u>Repeat</u>	Notes	Used <u>Usage</u>
Pos Loop ID 010 LOOP II 060 Summar Pos 010 020 030 040 LOOP II	= IT1 IT1 PID Y: Id TDS TXI CAD SAC	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail Service	0 M M M M 0 0	1 <u>Max Use</u> 1 10 1 25	200000 <u>1000</u> <u>Repeat</u>	<u>Notes</u> <u>N3/0100L</u>	Used <u>Usage</u> Used
Pos 010 Loop ID 010 LOOP II 060 Summar Pos 010 020 030 040 LOOP II 070	= IT1 IT1 PID Y: Id TDS TXI CAD SAC D - CTT SE	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail Service Transaction Totals	O M M M M O O	1 <u>Max Use</u> 1 10 1 25 1	200000 <u>1000</u> <u>Repeat</u>	<u>Notes</u> <u>N3/0100L</u>	Used Used Used
Pos Loop ID 010 LOOP II 060 Summar Pos 010 020 030 040 LOOP II 070 080	= IT1 IT1 PID PID TV: Id TDS TXI CAD SAC D-CTT CTT SE ned: Id	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail Service Transaction Totals Transaction Set Trailer Segment Name	O M M M M O O	1 <u>Max Use</u> 1 10 1 25 1	200000 <u>1000</u> <u>Repeat</u>	<u>Notes</u> <u>N3/0100L</u>	Used Used Used
Pos Loop ID 010 LOOP II 060 Summai Pos 010 Summai Pos 010 020 030 040 LOOP II 070 080 Not Defi	= IT1 IT1 PID PID TY: Id TDS TXI CAD SAC D-CTT CTT SE ned:	Baseline Item Data Product/Item Description Segment Name Total Monetary Value Summary Tax Information Carrier Detail Service Transaction Totals Transaction Set Trailer	O M M M M O O O M	1 <u>Max Use</u> 1 10 1 25 1 1	200000 1000 Repeat 1	<u>Notes</u> <u>N3/0100L</u> N3/0100	Used Used Used Must use

There is a one-to-one relationship between Invoice Number and Purchase Order Number in Best Buy Canada'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 Canada 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 Canada 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 Canada on their invoices must supply their GST Registration Number in the REF segment.

		Pos:	Max: 1
ISA	Interchange Control Header	Not Defined -	
		Loop: N/A	Elements: 16

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element S	Summa	ary:					
<u>Ref</u> ISA01	<u>ld</u> 101	<u>Element Na</u> Authorizatio	<u>me</u> on Information Qualifier	<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 2/2	<u>Usage</u> Must use
		Description	: Code identifying the type of i	informatio	n in the A	Authorization I	nformation
		CodeList Su <u>Code</u> 00	ummary (Total Codes: 7, Inclu <u>Name</u> No Authorization Informatior		(No Mea	ningful Informa	ation in 102)
ISA02	102	Authorizatio	on Information	0	AN	10/10	Used
		sender or the	: Information used for addition e data in the interchange; the Qualifier (I01)				
ISA03	103	Security Inf	ormation Qualifier	М	ID	2/2	Must use
		Description	: Code identifying the type of i	informatio	n in the S	Security Inform	nation
		CodeList Su <u>Code</u> 00	ummary (Total Codes: 2, Inclu <u>Name</u> No Security Information Pres		leaningf	ul Information	in 104)
ISA04	104	Security Inf	ormation	0	AN	10/10	Used
		sender or the	: This is used for identifying th e data in the interchange; the Qualifier (I03)	e security type of inf	r informa ormation	tion about the is set by the \$	interchange Security
ISA05	105	Interchange	e ID Qualifier	М	ID	2/2	Must use
			: Code indicating the system/r ceiver ID element being qualif		code str	ucture used to	designate the
		CodeList Su <u>Code</u> 12	ummary (Total Codes: 41, Inc <u>Name</u> Phone (Telephone Compani				
ISA06	106	Interchange	e Sender ID	М	AN	15/15	Must use
			: Identification code published o route data to them; the send				
ISA07	105	Interchange	e ID Qualifier	М	ID	2/2	Must use
		sender or re	: Code indicating the system/r ceiver ID element being qualifi indard codes are used. (Tota	ied		ucture used to	designate the
ISA08	107	Interchange	e Receiver ID	М	AN	15/15	Must use
		used by the	: Identification code published sender as their sending ID, the to route data to them				
ISA09	108	Interchange	e Date	М	DT	6/6	Must use
		Description	: Date of the interchange				
ISA10	109	Interchange	e Time	Μ	ТМ	4/4	Must use

		Description: 1	Time of the interchange				
ISA11	165	Repetition Se	parator	М		1/1	Must use
		element; this fi data element o	Type is not applicable; the reper leld provides the delimiter used or a composite data structure; t ator, component element sepa	l to sepa his valu	arate repea e must be o	ted occurrend different than	ces of a simple the data
ISA12	l11	Interchange C	Control Version Number	М	ID	5/5	Must use
		Description: (Code specifying the version nu	mber of	the interch	ange control	segments
		<u>Code</u> <u>N</u> 00401 [nmary (Total Codes: 15, Includ <u>Name</u> Draft Standards for Trial Use A Procedures Review Board	,	I for Publica	ation by ASC	X12
ISA13	l12	Interchange C	Control Number	М	N0	9/9	Must use
		Description: A	A control number assigned by t	he inter	change ser	nder	
ISA14	I13	Acknowledgm	nent Requested	М	ID	1/1	Must use
		Description: (Code indicating sender's reque	st for ar	n interchang	ge acknowled	gment
		<u>Code</u>	nmary (Total Codes: 2, Include <u>Name</u> Acknowledgment Requested	ed: 1)			
ISA15	114	Usage Indicat	tor	М	ID	1/1	Must use
		Description: Oproduction or in	Code indicating whether data e nformation	nclosed	by this inte	erchange env	elope is test,
		Code M P F	nmary (Total Codes: 3, Include <u>Name</u> Production Data Fest Data	ed: 2)			
ISA16	I15	Component E	lement Separator	М		1/1	Must use
		a data element within a compo	Type is not applicable; the com t; this field provides the delimite osite data structure; this value r the segment terminator	er used	to separate	e component (data elements

GS	Fu	nctional G	roup Header	Pos: Not Defin Loop: N/A	Max: 1 ed - Mandatory Elements: 8			
User Option (Usage): Must use Purpose: To indicate the beginning of a functional group and to provide control information								
Element S	umma	arv:						
<u>Ref</u> GS01	<u>ld</u> 479	Element Na	<u>me</u> Identifier Code	<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 2/2	<u>Usage</u> Must use	
		Description	: Code identifying a group of a	oplicatior	n related t	ransaction set	s	
		CodeList Si <u>Code</u> IN	u mmary (Total Codes: 263, Inc <u>Name</u> Invoice (810)	luded: 1)			
GS02	142	Application	Sender's Code	М	AN	2/15	Must use	
		Description partners	: Code identifying party sending	g transm	ission; co	des agreed to	by trading	
GS03	124	Application	Receiver's Code	М	AN	2/15	Must use	
		Description partners	: Code identifying party receivi	ng transr	nission; c	odes agreed t	o by trading	
GS04	373	Date		М	DT	8/8	Must use	
		Description the calendar	: Date expressed as CCYYMM year	DD whe	re CC rep	resents the fir	st two digits of	
GS05	337	Time		М	ТМ	4/8	Must use	
		HHMMSSD, seconds (00	: Time expressed in 24-hour cl or HHMMSSDD, where H = ho -59) and DD = decimal seconds and DD = hundredths (00-99)	ours (00-	23), M = r	ninutes (00-59	9), S = integer	
GS06	28	Group Cont	trol Number	М	N0	1/9	Must use	
		Description	: Assigned number originated a	and main	tained by	the sender		
GS07	455	Responsibl	e Agency Code	М	ID	1/2	Must use	
		Description with Data El	: Code identifying the issuer of ement 480	the stan	dard; this	code is used	in conjunction	
		CodeList So <u>Code</u> X	u mmary (Total Codes: 2, Inclue <u>Name</u> Accredited Standards Commi		<u>!</u>			
GS08	480	Version / Ro Code	elease / Industry Identifier	М	AN	1/12	Must use	
		Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
		CodeList So <u>Code</u> 004010	u mmary (Total Codes: 41, Inclu <u>Name</u> Draft Standards Approved for Board		tion by AS	SC X12 Proced	dures Review	

Semantics:

- 1. GS04 is the group date.
- 2. GS05 is the group time.
- 3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST	ST Transaction Set Header						Max: 1 - Mandatory Elements: 2	
User Option Purpose: To			transaction set and to assign a	a control nu	ımber			
Element	Summ	ary:						
<u>Ref</u>	ld	Element I	<u>Name</u>	Req	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	
ST01	143	Transacti	on Set Identifier Code	М	ID	3/3	Must use	
		Descripti	on: Code uniquely identifying a	Transactio	on Set			
		<u>Code</u> 810	<u>Name</u> Invoice					
ST02	329	Transacti	on Set Control Number	М	AN	4/9	Must use	
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Semantics:

- 1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
- 2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

BIG		eginning Segment for Invoice	Pos: 020 Heading Loop: N/A	Max: 1 g - Mandatory Elements: 5					
User Option (Usage): Must use Purpose: To indicate the beginning of an invoice transaction set and transmits identifying numbers and dates									
Element Summary:									
<u>Ref</u>	ld	Element Name	<u>Req</u>	Type	<u>Min/Max</u>	<u>Usage</u>			
BIG01	373	Invoice Date	М	DT	8/8	Must use			
		Description: Invoice issue date							
BIG02	76	Invoice Number	М	AN	1/22	Must use			
		Description: Code specifying the type of Pu	ırchase	Order					
BIG03	373	Date	0	DT	8/8	Must use			
		Description: Date expressed as CCYYMMI the calendar year; assigned by the purchase		•		st two digits of			
BIG04	324	Purchase Order Number	0	AN	1/22	Used			
		Description: Identifying number for Purchas	se Orde	r assigne	d by the order	er/purchaser			
BIG07	640	Transaction Type Code	0	ID	2/2	Used			
		<u>Code Name</u> DR Debit CR Credit							

Semantic Notes:

1. The code 'DR' in the BIG07 element is "Debit". BestBuy Canada 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.

2. Best Buy Canada System currently CANNOT process Credit Invoices (Code CR in BIG 07) via EDI.

Please use manual (Mail/Paper/Fax) processes to send Credit Invoices to BestBuy Canada Ltd.

3. BIG01 is the invoice issue date

4. BIG03 is the date assigned by the purchaser to purchase order

5. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

1. BIG07 is used only to further define the type of invoice when needed.

		Pos: 030	Max: 100
NTE	Note/Special Instruction	Heading -	Optional
		Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element	Summ	ary:					
<u>Ref</u> NTE01	<u>ld</u> 363	<u>Element Name</u> Invoice Date		Req O	<u>Type</u> ID	<u>Min/Max</u> 3/3	<u>Usage</u> Used
		Description: for which the	Code identifying the functiona note applies	al area or purpo	se		
		<u>Code</u> ⅣV	<u>Name</u> Invoice				
NTE02	352	Descriptior	ı	М	AN	1/80	Must use
		Descriptior	1: Code specifying the type	of Purchase	Order		

Notes:

1. 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.

Comments:

1. The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

CUR	Currency			Pos: 040 Heading Loop: N/A	Max: 1 - Optional Elements: 2		
User Option (Usage): Must use Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction							
Element Summary:							
<u>Ref</u> <u>Id</u> CUR01 98			<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 2/3	<u>Usage</u> Used	
	Description						
	Code INV	Name Invoice					
CUR02 10	0 Currency Co	ode	М	ID	3/3	Must use	

Description: CAD or USD

Notes:

1. 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.

REF	Re	eference la	rence Identification				Max: 12 - Optional Elements: 2
User Option Purpose: To s	• • •		ition				
Element S	Summa	ary:					
<u>Ref</u> REF01	<u>ld</u> 128	Element Na Reference	ame Identification Qualifier	<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 2/3	<u>Usage</u> Used
		Description	1: Code qualifying the Reference Id	entificatio	n		
		<u>Code</u> GT PK BM	<u>Name</u> GST Registration Number Tracking Number Bill of Lading				
REF02	127	Reference	Identification	0	AN	1/30	Used
			Reference information as defined f e Identification Qualifier	or a partio	cular Trans	saction Set or as s	pecified by

Semantic Notes:

- 1. Data elements REF 01 and REF 02 are paired elements. If one data element exists then the other MUST also be used.
- 2. 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
- 3. 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).
- 4. BestBuy Canada 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.

Syntax Notes:

1. R0203 - At least one of REF02 or REF03 is required.

N1	Na	ame		Pos: 070 Heading Loop: N1	Max: 1 - Optional Elements: 2		
User Option (Usage): Must use Purpose: To identify a party by type of organization, name, and code							
Element Summary:							
<u>Ref</u>	ld	Element Na	me	<u>Req</u>	Type	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Ident	Entity Identifier Code			2/3	Used
		Description:	Code identifying an organizational e	entity, a p	ohysical loo	cation, property or a	an individual
		CodeList S	ummary (Total Codes:, Included	d:)			
		<u>Code</u>	Name				
		RI	Remit To				
		BT ST	Bill To Ship To				
N/400				~		1/22	
N102	93	Name		0	AN	1/60	Used

Description: Free-form name

Notes:

- 1. Data elements N101 and N102 are paired elements. If one data element exists then the other MUST also be used.
- 2. All 3 occurrences of the N1 segment are Mandatory

N3	Ac	Address Information					Max: 2 g - Optional Elements: 2	
	User Option (Usage): Must use Purpose: To specify the location of the named party							
Element	Summa	ary:						
<u>Ref</u>	ld	Element N	ame	Req	Type	Min/Max	<u>Usage</u>	
N301	166	Address Ir	Address Information			1/55	Used	
		Descriptio	n: Address information based of	on below code	es for N101			
		<u>Code</u> RI BT ST	<u>Name</u> Remit To Bill To Ship To					
N302	166	Address Ir	oformation	0	AN	1/55	Must use	

Description: Address information

N4	Ge	eographic Location	Pos: 100 Headin Loop: N1	Max: 1 g - Optional Elements: 4			
User Option (Usage): Must use Purpose: To specify the geographic place of the named party							
Element S	Summa	ary:					
<u>Ref</u>	ld	Element Name	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	
N401	19	City Name	0	AN	2/30	Used	
		Description: Free-form text for city name					
N402	156	State or Province Code	0	ID	2/2	Used	
		Description: Code (Standard State/Province) as	defined l	by appropi	iate government	agency	
N403	116	Postal Code	0	ID	3/15	Used	
		Description: Code defining function performed a	the port	or termina	al with respect to	a shipment	
N404	26	Country Code	0	ID	2/3	Used	
		Description: Code identifying the country					

PER	Aa		Pos: 060 Headir Loop: N1	Max: 3 ng - Optional Elements: 4		
User Option (Usage): Must use Purpose: To identify a person or office to whom administrative communications should be directed						
Element S	Summa	ary:				
<u>Ref</u>	<u>ld</u>	Element Name	Req	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	М	ID	2/2	Used
Description: Code identifying the major duty or responsibility of the person or group named						named
		CodeNameAAAuthorized Representative				
PER02	93	Name	0	AN	1/60	Must use
		Description: Contact's Name				
PER03	365	Communication Number Qualifier	Х	ID	2/2	Used
		Description: Code identifying the major duty o	r responsib	ility of the	person or group	named
		CodeNameTETelephone				
PER04	364	Communication Number	х	AN	1/80	Must use
		Description: Telephone Number				
N. a.t.a.a.		- •				

Notes:

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

ITD	7	Ferms of Sale			Pos: 130 Heading Loop: N/A	Max: 2 - Optional Elements: 7
User Optio Purpose: ⊺						
Element	Sumn	nary:				
<u>Ref</u> ITD01	<u>ld</u> 336	<u>Element Name</u> Terms Type Code	Req O	<u>Type</u> ID	<u>Min/Max</u> 2/2	<u>Usage</u> Used
		Description: Code identifying type of payment	terms			
		CodeName01DFI05No Discount06Other07Co-op08VIR22MA50ECD				
ITD02	333	Terms Basis Date Code	0	ID	1/2	Used
		Description: Code identifying the beginning of the	terms pe	eriod		
		CodeName1Ship Date2Delivery Date3Invoice Date15Goods Receipt				
ITD03	338	Terms Discount Percent	Х	R	1/6	Used
		Description: Percentage Discount offered				
ITD04	370	Terms Discount Due Date	0	DT	8/8	Used
		Description: Date that payment is due by for	discour	nt		
ITD05	351	Terms Discount Days Due	Х	N0	1/3	Used
		Description: Number of days until discount is	s no long	ger availab	le	
ITD06	446	Terms Net Due Date	0	DT	8/8	Used
		Description: Date that full payment is due by				
ITD07	386	Terms Net Days	0	N0	1/3	Used
		Description: Number of days until full payme	nt is du	e		

Notes:

- 1. Data ITD01 codes 01, 07, 08 and 22 are regarded by Best Buy Canada 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.
- 3. The percentage indicated in the DFI codes are deducted from the Gross Invoice Amount regardless of when payment is provided.
- 4. The description for each of the ITD 01 terms is listed below and followed by specific examples.

- 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.

^{5.} DFI Type terms:

Other terms: 05 - Discount not applicable. 06 - This code indicates a terms type that does not otherwise appear on BestBuy Canada'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 2% Terms Discount percent, Code 50 - ECD Terms Discount Percent, Code 01 - DFI 10% **EDI** Notation ITD*50*3*2**60**61~ ITD*01*3*10****61~ ECD and Multiple DFI Example 2: 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% 2% Terms Discount Percent, Code 08 - VIR 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~

6. 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.

DTN User Option Purpose: To	n (Usage	Date/Time I e): Must use pertinent dates a		Pos: 140 Heading Loop: N/A	Max: 1 - Optional Elements: 3		
Element	Sumn	nary:					
<u>Ref</u> DTM01	<u>ld</u> 374	Element N	<u>Element Name</u> Date/Time Qualifier		<u>Type</u> ID	<u>Min/Max</u> 3/3	<u>Usage</u> Used
		Description: Type of date being submitted					
		<u>Code</u> 011 035 070	<u>Name</u> Shipment Date Delivery Date Scheduled Delivery Date				
DTM02	373	Date		Х	DT	8/8	Used
		Description	: CCYYMMDD				
DTM03	337	Time		Х	ТМ	4/8	Used
		Description	: HHMM				

Notes:

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

The DTM segment currently is not used by BestBuy Canada.

The DTM segment may be used in the future to capture dates that Best Buy Canada 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

ІТА		Pos: 010	Max: 1	
IT1	Baseline Item Data (Invoice)	Detail - Optional		
		Loop: IT1	Elements: 11	

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element	Sum	narv				
Ref IT101	<u>Id</u> 350	Element Name Assigned Identification	<u>Req</u> O	<u>Type</u> AN	<u>Min/Max</u> 1/20	<u>Usage</u> Used
		Description: Purchase Order Line item Ide	ntificatio	on (PO Lir	ne number)	
IT102	358	Quantity Invoiced	0	R	1/10	Used
		Description: Quantity of Items being billed	on this I	ine		
IT103	355	Unit or Basis of Measurement Code CodeList Summary (Total Codes:, Include	O :d:)	ID	2/2	Used
		<u>Code</u> <u>Name</u> EA Each				
		Description: Percentage Discount offered				
IT104	212	Unit Price	0	R	1/17	Used
		Description: Item's invoiced price				
		Description: Number of days until discount is	s no long	ger availal	ble	
IT106	235	Product/Service ID Qualifier	0	ID	2/2	Used
		Description:Code NameBPBuyer's Part NumberUPUPC Consumer Package CodeVPVendor's Part Number				
IT107	234	Product/Service ID	Х	AN	1/48	Used
		Description: Best Buy Canada SKU #				
IT108	235	Product/Service ID Qualifier	0	ID	2/2	Used
		Description:Code NameBPBuyer's Part NumberUPUPC Consumer Package CodeVPVendor's Part Number				
IT109	234	Product/Service ID	Х	AN	1/48	Used
		Description: Vendor Part Number				
IT110	235	Product/Service ID Qualifier	0	ID	2/2	Used
		Description:Code NameBPBuyer's Part NumberUPUPC Consumer Package CodeVPVendor's Part Number				

IT111 234 Product/Service ID X	AN	1/48	Used
--------------------------------	----	------	------

Description: UPC Code

Syntax Notes:

- 1. Data elements IT106/IT107, IT108/IT109, IT110/IT111 are paired elements. If either data element is present then the other is REQUIRED.
- 2. 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 BestBuy Canada Purchase Order.
- 3. The calculated sum {Quantity [IT102] multiplied by Unit Price [IT104]} of all IT1 line items MUST equal the amount listed in TDS02 data element.
- 4. P020304 If either IT102, IT103 or IT104 are present, then the others are required.

Semantic Notes:

1. IT101 is the purchase order line item identification

PID	Pr	oduct/Item Description			Pos: 060 Detail - Loop: PID	Max: 1 Optional Elements: 2	
	User Option (Usage): Must use Purpose: To describe a product or process in coded or free-form format						
Element S	Summa	ary:					
<u>Ref</u> PID01	<u>ld</u> 349	Element Name Item Description Type	<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 1/1	<u>Usage</u> Must use	
		Description: F for Free form					
PID05	352	Description	0	AN	1/80	Used	
		Description: Item Description					

Notes:

- 1. Data elements PID01 and PID05 are paired elements. If either data element is present then the other is REQUIRED.
- 2. The PID Segment is Mandatory and must be used to report product description.

35.00

					_	-
TDS	TDS Total Monetary Value Summary			Pos: 010 Summary Loop: N/A	Max: 1 - Mandatory Elements: 2	
User Option Purpose: ⊺o		: Must use e total invoice discounts and amounts				
Element	Summ	ary:				
<u>Ref</u>	<u>ld</u>	Element Name	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	М	N2	1/15	Must use
		Description: Total Invoice Amount				
TDS02	610	Amount	0	N2	1/15	Used

Description: Invoice SubTotal amount for Terms Discount Calculation

Notes:

1. The TDS01 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 BestBuy Canada 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.

 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	Description	Quantity	Unit Price	Extended
Number		Invoiced		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)
Total Invoice Amount (TDS01 Data Element) 535.00

3. The amounts listed in TDS01 and TDS02 data elements have an implied decimal. For example, BestBuy Canada system will interpret the value 11400 as 114.00

ΤΧΙ	7	Tax Information			Pos: 020 Summar Loop: N/A	Max: 1 y - Optional Elements: 2
		e): Must use tax information				
Element	t Sumr	nary:				
<u>Ref</u> TXI01	<u>ld</u> 963	<u>Element Name</u> Tax Type Code	<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 2/2	<u>Usage</u> Must use
		Description: Code specifying the type of tax				
		CodeList Summary (Total Codes:, IncludeCodeNameCGGSTVAHSTSPPSTSTQST	ed:4)			
TXI02	782	Monetary Amount	0	R	1/18	Used
		Description: Monetary amount				

Notes:

- 1. The TXI segment can be repeated a maximum of 10 times. In Best Buy Canada's 810 document, it should be repeated once for each Tax Type being charged (TXI01) on the Invoice.
- 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).
- 3. Trading Partners MUST transmit 0.00 in TXI 02 and use CG in TXI 01 if no GST is charged.
- 4. Trading Partners should not transmit PST tax for any Inventory Purchase Orders. If PST tax is received for Inventory Purchase Orders, the invoice will be rejected and an email notification will be sent to the email address provided during EDI setup.
- 5. Total invoice amount (TDS:01) should exactly match the sum of amount before tax (TDS:02) plus sum of all the taxes (all TXI:02 values).

CAD		Pos: 030	Max: 1			
	Carrier Detail	Summary –	Optional			
		Loop: N/A	Elements: 5			
Liner Ontion (Linera): Net used						

User Option (Usage): Not used **Purpose:** To specify transportation details for the transaction

Element	Summ	ary:				
<u>Ref</u>	ld	Element Name	Req	Type	<u>Min/Max</u>	<u>Usage</u>
CAD01	91	Transportation Method/Type Code	0	ID	1/2	Used
		Description: Code specifying the method or type	be of trans	sportation	for the shipment	
CAD04	140	Standard Carrier Alpha Code	0	ID	2/4	Used
		Description: This is a 2 to 4 character code	e uniquel	y identify	ing the Carrier	
CAD05	387	Routing	0	AN	1/35	Used
		Description: Text describing the route the	product	will take		
CAD07	128	Reference Identification Qualifier	0	ID	2/3	Used
		Description: 2I for Tracking Number				
CAD08	127	Reference Identification	0	AN	1/30	Used
		Description: Insert appropriate reference to	ext here			

Notes:

1. The CAD segment currently is not used by BestBuy Canada.

The CAD Segment may be used in the future to capture Carrier details that BestBuy Canada accounting department and Trading Partners feel are relevant to the Invoice.

SAC	S	ervice			Pos: 040 Summary Loop: SAC	Max: 1 - Optional Elements: 4
	equest or	: Not used identify a service, promotion, allowance, or char n, allowance, or charge	ge; to specify	the amou		
Element	Summ	ary:				
<u>Ref</u> SAC01	<u>ld</u> 248	<u>Element Name</u> Allowance or Charge Indicator	<u>Req</u> M	<u>Type</u> ID	<u>Min/Max</u> 1/1	<u>Usage</u> Used
		Description: Not currently defined				
SAC02	1300	Service	Х	ID	4/4	Used
		Description: Code identifying the service, prCodeNameA172Administrative	omotion, allo	wance, or	charge	
SAC05	610	Amount	0	N2	1/15	Used
		Description: Monetary amount of the al	lowance or	charge		
SAC15	352	Description	Х	AN	1/60	Used
		Description: Free form description				

Notes:

1. The SAC segment currently is not used by BestBuy Canada. If this segment is included in the invoice file, the full invoice will be rejected in EDI and an email notification will be sent by the system to the email id listed for the partner during the initial EDI setup.

The SAC segment may be used in the future to capture Service Charges that BestBuy Canada accounting department and Trading Partners feel are relevant to the Invoice.

CTT	Transaction Totals	Pos: 070 Summary Loop: N/A	Max: 1 - Optional Elements: 2
User Option (Usa	age): Used	2005. 1474	Lionionto: L

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

<u>Ref</u> CTT01	<u>ld</u> 354	<u>Element Name</u> Number of Line Items	<u>Req</u> M	<u>Type</u> N0	<u>Min/Max</u> 1/6	<u>Usage</u> Must use
		Description: Total number of line items in t	he trans	action se	et	
CTT02	347	Hash Total	0	R	1/10	Must use
		Description: Total quantity ordered on all li	ne items	6		

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.

2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE User Option Purpose: To (including the	indicate	Pos: 080 Summary Loop: N/A	Max: 1 y - Mandatory Elements: 2 ts			
Element <u>Ref</u> SE01	Summ <u>Id</u> 96	ary: <u>Element Name</u> Number of Included Segments	<u>Req</u> M	<u>Type</u> N0	<u>Min/Max</u> 1/10	<u>Usage</u> Must use
		Description: Total number of segments incoments	cluded in	a transa	ction set includi	ng ST and SE
SE02	329	Transaction Set Control Number	Μ	AN	4/9	Must use

Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

1. SE is the last segment of each transaction set.

GE	Functional Group Trailer	Pos: Not Defined Loop: N/A	Max: 1 - Mandatory Elements: 2
	sage): Must use dicate the end of a functional group and to provide control information		

Element Summary:

<u>Ref</u>	ld	Element Name	<u>Req</u>	Type	<u>Min/Max</u>	<u>Usage</u>	
GE01	97	Number of Transaction Sets Included	Μ	N0	1/6	Must use	
		Description: Total number of transaction se interchange (transmission) group terminated			•	•	
GE02	28	Group Control Number	М	N0	1/9	Must use	
		Description: Assigned number originated and maintained by the sender					

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

	Interchange Control Trailer	Pos:	Max: 1	
IEA		Not Defined	Not Defined - Mandatory	
		Loop: N/A	Elements: 2	

User Option (Usage): Must use Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>ld</u>	Element Name	<u>Req</u>	Type	<u>Min/Max</u>	<u>Usage</u>
IEA01	116	Number of Included Functional Groups	М	N0	1/5	Must use
IEA02	112	Interchange Control Number	М	N0	9/9	Must use

Additional Validations

These validations are added as a part of the enhancement **ITG WR#47705** – B2B Invoice Failure Notification **Validation 1:**

If an invoice has any value in the SAC segment, reject the invoice; the error message should say "unable

to read SAC segment; please include all extra charges in the unit cost"

Validation 2:

If TXI02 under the qualifier CG is > 0, REF02 under the qualifier GT must be present and be at least 9

characters long; depending on the value, the error message may say "no GST registration # provided" or

"invalid GST registration #"

Validation 3:

If IT103 is not "EA", reject the invoice; the error message should contain "unit of measurement error;

please re-submit this invoice with UOM in EA"

Validation 4:

If BIG07 = "DR" and TDS01 < 0, reject an invoice; the error message should say "credit notes cannot be

accepted via EDI, please submit a paper copy"

Validation 5:

- Reject all invoices that have TDS01 / TDS02 > 1.15 (the invoice's total over the invoice's subtotal

exceeds 15%)

Populate the error Message "Taxes should not exceed 15% of invoice's subtotal amount."

- Document the kind of effort that would be required if business wants to change the 15% figure to a

different figure, in the future

Validation 6:

All three occurrences of N1 segment - "remit-to" = qualifier RI, "bill-to" = qualifier BT, "ship-to" = qualifier ST, should be mandatory and also should contain some value other than Null or spaces or blank; currently B2B accepts invoices with only one of the three OR at times with no meaningful value. <u>Ex:</u> Sometimes, the value contains all spaces and a comma. The validation has to make sure that there is some 'value' in the N1 segment (data element 01 and 02) each time N1 occurs. Populate the error message "Incomplete data in N1 segment - "remit-to" = qualifier RI, "bill-to" = qualifier BT, "ship-to" = qualifier ST. Should be consistent with what is on BBY PO."

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*CO*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~ ISA*00* *00* *01*045815722I *12*6044358223FCD *160620*0522*U*00401*000000565*0*P*> GS*IN*045815722I*6044358223FCD*20160620*052213*429*X*004010 ST*810*0001 BIG*20160618*3051039534*20160607*44556413***DR CUR*CQ*CAD REF*BM*06880570001027394 REF*GT*869575555RT0001 N1*RI*HAIER AMERICA N3*PO BOX 90445 N4*CHICAGO*IL*60654 N1*BT*BEST BUY CANADA LTD.

N3*8800 GLENLYON PARKWAY N4*BURNABY*BC*V5J 5K3 N1*ST*BEST BUY CANADA #1510 N3*19890 92ND A AVENUE N4*LANGLEY*BC*V1M 3A9 ITD*05*3****60 IT1**208*EA*186.00*CT*BP*10320304*VP*HC31TG42SV*UP*688057308555 PID*F****3.2 cu. ft TM VCM door TDS*4062240*3868800 TXI*CG*1934.40 CTT*1 SE*21*0001

GE*1*429 IEA*1*000000565