

810**Invoice****Functional Group=IN**

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 Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use

<u>LOOP ID - N1</u>				<u>Repeat</u>		
0700	N1	Name	M	1		Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	M	>1		Must use

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - IT1</u>					<u>200000</u>		
0100	IT1	Baseline Item Data (Invoice)	M	1			Must use

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
0100	TDS	Total Monetary Value Summary	M	1			Must use
<u>LOOP ID - SAC</u>					<u>>1</u>		
0400	SAC	Service, Promotion, Allowance, or Charge Information	M	1			Used
0700	CTT	Transaction Totals	M	1		N3/0700	Used
0800	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments.

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use

<u>Code</u>	<u>Name</u>
00	No Authorization Information Present (No Meaningful Information in I02)

ISA02	I02	Authorization Information	M	AN	10/10	Must use
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ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
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<u>Code</u>	<u>Name</u>
00	No Security Information Present (No Meaningful Information in I04)

ISA04	I04	Security Information	M	AN	10/10	Must use
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ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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All valid standard codes are used.

ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
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ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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<u>Code</u>	<u>Name</u>
ZZ	Mutually Defined

ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
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User Note 1:
Best Buy ISA ID: 0600603000003

ISA09	I08	Interchange Date	M	DT	6/6	Must use
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ISA10	I09	Interchange Time	M	TM	4/4	Must use
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ISA11	I65	Repetition Separator	M		1/1	Must use
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ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
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<u>Code</u>	<u>Name</u>
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ISA13	I12	Interchange Control Number	M	NO	9/9	Must use
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ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
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<u>Code</u>	<u>Name</u>
0	No Acknowledgment Requested

ISA15	I14	Usage Indicator	M	ID	1/1	Must use
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<u>Code</u>	<u>Name</u>
P	Production Data

ISA16	I15	Component Element Separator	M		1/1	Must use
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GS**Functional Group Header**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
		<u>Code</u>		<u>Name</u>		
		IN		Invoice Information (810)		
GS02	142	Application Sender's Code	M	AN	2/15	Must use
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
User Note 1:						
Best Buy GS ID: 0600603000003						
GS04	373	Date	M	DT	8/8	Must use
GS05	337	Time	M	TM	4/8	Must use
GS06	28	Group Control Number	M	NO	1/9	Must use
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
		<u>Code</u>		<u>Name</u>		
		X		Accredited Standards Committee X12		
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
		<u>Code</u>		<u>Name</u>		
		004030		Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1999		

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 Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
		<u>Code</u>		<u>Name</u>		
		810		Invoice		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use

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).

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT	8/8	Must use
BIG02	76	Invoice Number	M	AN	1/22	Must use
BIG04	324	Purchase Order Number	M	AN	1/22	Must use

Semantics:

1. BIG01 is the invoice issue date.

N1**Name**

Pos: 0700	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 3

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
		<u>Code</u>				
		ST				
		<u>Name</u>				
		Ship To				
N103	66	Identification Code Qualifier	M	ID	1/2	Must use
		<u>Code</u>				
		92				
		Assigned by Buyer or Buyer's Agent				
N104	67	Identification Code	M	AN	2/80	Must use

User Note 1:

Best Buy Ship To Location number. The location number is always a minimum of 2 digits. For example location 4 is transmitted as "04" and location 70 is transmitted as "70".

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.

ITD

Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD03	338	Terms Discount Percent	X	R	1/6	Used
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
ITD07	386	Terms Net Days	M	N0	1/3	Must use
ITD08	362	Terms Discount Amount	X	N2	1/10	Used

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

User Note 1:

Discounts should only be sent if Best Buy has discount terms with your company. If Best Buy does not have discount terms with your company, please DO NOT send the ITD03, ITD05 and ITD08 elements, and do not fill these elements with zeros.

IT1**Baseline Item Data (Invoice)**

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 7

User Option (Usage): Must use**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT102	358	Quantity Invoiced	M	R	1/10	Must use
IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		EA Each				
IT104	212	Unit Price	M	R	1/17	Must use
IT106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		<u>Code</u> <u>Name</u>				
		EN EAN/UCC - 13				
		EO EAN/UCC - 8				
		UK EAN/UCC - 14				
		UP UCC - 12				
IT107	234	Product/Service ID	M	AN	1/48	Must use
IT108	235	Product/Service ID Qualifier	O	ID	2/2	Used
		<u>Code</u> <u>Name</u>				
		VN Vendor's (Seller's) Item Number				
IT109	234	Product/Service ID	O	AN	1/48	Used

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	Max: 1
Summary - Mandatory	
Loop: SAC	Elements: 3

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use
		<u>Code</u>				
		A				Allowance
		C				Charge
SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
SAC05	610	Amount	M	N2	1/15	Must use

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.

CTT Transaction Totals

Pos: 0700	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	NO	1/6	Must use

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 Transaction Set Trailer

Pos: 0800	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	NO	1/10	Must use
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use

Comments:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
GE02	28	Group Control Number	M	N0	1/9	Must use

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.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5	Must use
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use