

810 Invoice

Functional Group ID=**IN**

Introduction:

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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Required	010	ST	Transaction Set Header	M	1		
Required	020	BIG	Beginning Segment for Invoice	M	1		
Required	050	REF	Reference Identification	O	12		
LOOP ID - N1						200	
Required	070	N1	Name	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	150	FOB	F.O.B. Related Instructions	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
Required	010	IT1	Baseline Item Data (Invoice)	O	1		
	040	TXI	Tax Information	O	10		
LOOP ID - SAC						25	
	180	SAC	Service, Promotion, Allowance, or Charge Information	O	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Required	010	TDS	Total Monetary Value Summary	M	1		
	020	TXI	Tax Information	O	10		
LOOP ID - SAC						25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - ISS						>1	
	060	ISS	Invoice Shipment Summary	O	1		
Required	070	CTT	Transaction Totals	O	1		n1
Required	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Notes: Example: ST*810*1709

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Syntax Notes:

Notes: Example: BIG*19980224*0200591001**N2726001***PR

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIG01	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	BIG02	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
R	BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	O AN 1/22
	BIG07	640	Transaction Type Code Code specifying the type of transaction PR Product (or Service)	O ID 2/2

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional (Recommended)
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Notes: Examples:
 (required) REF*BM*25028001
 (required) REF*IA*0033225100

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BM Bill of Lading Number	
			IA Internal Vendor Number	
R	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **N1** Name
Position: 070
Loop: N1 Optional (Recommended)
Level: Heading
Usage: Optional (Recommended)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: **1** At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Notes: Example 1: N1*ST**92*14013

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual ST Ship To	M ID 2/3
R	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer or Buyer's Agent	X ID 1/2
R	N104	67	Identification Code Code identifying a party or other code	X AN 2/80

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify terms of sale
Syntax Notes:

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

Notes: Formats Accepted by Pep Boys:

1. XX % XX days (5% 30 Days) (use ITD 1,2,3,5)
example: ITD*08*15*5**30
2. XX % XXth Proxima (5% 15th proxima) (use ITD 1,2,3,13)
*if delivery date is prior to the 25th of the month, payment is due by the XXth of the next month otherwise payment is due by the 15th of the following mth (Delivery mth+2)
example: ITD*09*1*5*****15
3. XX % XXth Proxima + XX Days (5% 15th proxima + 30 days)
(use ITD 1,2,3,5,13)
*if delivery date is prior to the 25th of the month, payment is due by the XXth of the next month plus XX Days otherwise payment is due by the 15th of the following month(Delivery month+2) plus XX Days
example: ITD*09*8*5**30*****15
4. Net XX Days (Net 30 Days) (use ITD 1,2,7) (*ITD-11 optional)
*a percent of invoice to-be-paid within XX days can be added to each ITD segment if needed(ITD-11)
sample: 30 days 33%, 60 days 33%, 90 days 34%(total 100%)
example:
ITD*05*2*****30***33
ITD*05*2*****60***33
ITD*05*2*****90***34
5. XX% XX Days, Net XX Days(5% 30 Days, Net 60 Days)(use ITD 1,2,3,5,7)
example: ITD*08*3*5**30**60
6. Net Date (Net 19980228) (use ITD 1,2,6)
example: ITD*05*4****19980228
7. XX% Date, Net Date(5% 19980301, Net 19980315) (use ITD 1,2,3,4,6)
example: ITD*08*4*5*19980301**19980315
8. Installments - same as Net Date with % due added(Net 19980228 (xx%))
(use ITD 1,2,6,11)
*a percent of invoice to-be-paid by the due date can be added to each ITD segment if needed(ITD-11)
sample: 19980228 33%, 19980328 33%, 19980428 34%(total 100%)
example:
ITD*04*2****19980228*****33
ITD*04*2****19980328*****33
ITD*04*2****19980428*****34

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
R	<u>Des.</u> ITD01	<u>Element</u> 336 Terms Type Code	O ID 2/2
		Code identifying type of payment terms	

- 04 Deferred or Installment
- 05 Discount Not Applicable
- 08 Basic Discount Offered
- 09 Proximo

R	ITD02	333	Terms Basis Date Code	O	ID 1/2
			Code identifying the beginning of the terms period		
			1 Ship Date		
			2 Delivery Date		
			3 Invoice Date		
			4 Specified Date		
			8 Invoice Transmission Date		
			15 Receipt of Goods		
D	ITD03	338	Terms Discount Percent	O	R 1/6
			Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date		
D	ITD04	370	Terms Discount Due Date	X	DT 8/8
			Date payment is due if discount is to be earned expressed in format CCYYMMDD		
D	ITD05	351	Terms Discount Days Due	X	N0 1/3
			Number of days in the terms discount period by which payment is due if terms discount is earned		
D	ITD06	446	Terms Net Due Date	O	DT 8/8
			Date when total invoice amount becomes due expressed in format CCYYMMDD		
D	ITD07	386	Terms Net Days	O	N0 1/3
			Number of days until total invoice amount is due (discount not applicable)		
D	ITD11	342	Percent of Invoice Payable	X	R 1/5
			Amount of invoice payable expressed in percent		
D	ITD13	765	Day of Month	X	N0 1/2
			The numeric value of the day of the month between 1 and the maximum day of the month being referenced		

Segment: **FOB** F.O.B. Related Instructions
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.
- 4 If FOB08 is present, then FOB09 is required.

Notes: Example: FOB*CC

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	FOB01	Shipment Method of Payment	M ID 2/2
	146	Code identifying payment terms for transportation charges	
		CC Collect	
		Freight paid by Pep Boys	
		PC Prepaid but Charged to Customer	
		Vendor pays and bears freight, then bills Pep Boys	
		PO Prepaid Only	
		Vendor pays freight, picks carrier, bears freight	
		PP Prepaid (by Seller)	
		Vendor pays freight, picks carrier	
		TP Third Party Pay	
		Outside party(other than seller or recipient) pays for freight	

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Optional (Recommended)
Level: Detail
Usage: Optional (Recommended)
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

Notes: Example: IT1**5*EA*4.94**IN*8620482*VN*64102

Note 1 - Pep Boys requires both the IN and VN qualifiers in the order specified in the example above

Note 2 - For special orders, if the Pep Boys part number is not available, your part number can be used with both the IN and VN qualifiers

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
R	IT102	358 Quantity Invoiced	X R 1/10
		Number of units invoiced (supplier units)	
R	IT103	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		EA Each	
R	IT104	212 Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	
R	IT106	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		IN Buyer's Item Number	
R	IT107	234 Product/Service ID	X AN 1/48
		Identifying number for a product or service	
R	IT108	235 Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VN Vendor's (Seller's) Item Number	
R	IT109	234 Product/Service ID	X AN 1/48
		Identifying number for a product or service	

Segment: **TXI Tax Information**
Position: 040
Loop: IT1 Optional (Recommended)
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Notes:

Example: TXI*SA*150.12

Example: TXI*EV*225

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			EV Environmental Tax	
			Fee per gallon on motor oils and petrochemicals	
			FT Federal Excise Tax	
			Federally mandated charges on specific items	
			OH Other Taxes	
			Use for Disposal Fees	
			Use for Tires	
			SA State or Provincial Fuel Tax	
			ZZ Mutually Defined	
			Use For Recycle Tax	
R	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 180
Loop: SAC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

Notes: Example: SAC*C*B750***995
 Example: SAC*A*A260****3*.25

Data Element Summary

Ref.	Data Element	Name	Attributes
M	SAC01 248	Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
R	SAC02 1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		A260 Advertising Allowance	
		B210 Co-op Credit	
		Agreed \$ amt. that manufacturer will reimburse P/B for adv. expenses	
		B750 Core Charge	
		C000 Defective Allowance	
		Price reduction for merchandise not reasonably safe for use	
		C300 Discount - Special	
		Managers Meeting	
		C320 Display Allowance	
		D240 Freight	
		Charges associated with the transportation or movement of merchandise	
		E730 New Item Allowance	
		Price reduction for carrying a new product	
		E740 New Store Allowance	
		Price reduction for opening a new store and stocking specific products	
		F050 Other (See related description)	
		Racing	
		F670 Price and Marketing Allowance	
		Enhanced Marketing Initiative	
		F970 Rebate	
		Refund resulting from purchase or tax	
		H010 Special Buy	
		Price reduction due to a special agreement between buyer	

			I170	and sales rep Trade Discount		
			I430	Producer discount given to P/B as a promotional effort Usage Plan Detail Charge		
			I530	Planogram Volume Discount		
			ZZZZ	Price reduction in \$ or % based on the quantity of goods purchased Mutually Defined		
				ECAT		
R	SAC05	610	Amount		O	N2 1/15
			Monetary amount			
	SAC06	378	Allowance/Charge Percent Qualifier		X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated			
			3	Discount/Gross		
	SAC07	332	Percent		X	R 1/6
			Percent expressed as a percent			

Segment: **TDS** Total Monetary Value Summary
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Syntax Notes:
Notes: Example: TDS*16466851

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Total amount of invoice Monetary amount	M N2 1/15

Segment: **TXI** Tax Information
Position: 020
Loop:
Level: Summary
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Notes:

Example: TXI*SA*150.12
Example: TXI*EV*225

Data Element Summary

<u>Ref.</u>	<u>Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			EV Environmental Tax	
			Fee per gallon on motor oils and petrochemicals	
			FT Federal Excise Tax	
			Federally mandated charges on specific items	
			OH Other Taxes	
			Use for Disposal Fees	
			Use for Tires	
			SA State or Provincial Fuel Tax	
			ZZ Mutually Defined	
			Use For Recycle Tax	
R	TXI02	782	Monetary Amount	X R 1/18
			Monetary amount	

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

Notes:
 Example: SAC*C*B750***995
 Example: SAC*A*A260****3*.25

Data Element Summary

Ref.	Data Element	Name	Attributes
M	SAC01 248	Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
R	SAC02 1300	Service, Promotion, Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge	
		A260 Advertising Allowance	
		B210 Co-op Credit	
		Agreed \$ amt. that manufacturer will reimburse P/B for adv. expenses	
		B750 Core Charge	
		C000 Defective Allowance	
		Price reduction for merchandise not reasonably safe for use	
		C300 Discount - Special	
		Managers Meeting	
		C320 Display Allowance	
		D240 Freight	
		Charges associated with the transportation or movement of merchandise	
		E730 New Item Allowance	
		Price reduction for carrying a new product	
		E740 New Store Allowance	
		Price reduction for opening a new store and stocking specific products	
		F050 Other (See related description)	
		Racing	
		F670 Price and Marketing Allowance	
		Enhanced Marketing Initiative	
		F970 Rebate	
		Refund resulting from purchase or tax	
		H010 Special Buy	
		Price reduction due to a special agreement between buyer	

			I170	and sales rep Trade Discount		
			I430	Producer discount given to P/B as a promotional effort Usage Plan Detail Charge		
			I530	Planogram Volume Discount		
			ZZZZ	Price reduction in \$ or % based on the quantity of goods purchased Mutually Defined		
				ECAT		
R	SAC05	610	Amount		O	N2 1/15
			Monetary amount			
	SAC06	378	Allowance/Charge Percent Qualifier		X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated			
			3	Discount/Gross		
	SAC07	332	Percent		X	R 1/6
			Percent expressed as a percent			

Segment: **ISS Invoice Shipment Summary**

Position: 060

Loop: ISS Optional

Level: Summary

Usage: Optional

Max Use: 1

Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume

- Syntax Notes:**
- 1 At least one of ISS01 ISS03 or ISS05 is required.
 - 2 If either ISS01 or ISS02 is present, then the other is required.
 - 3 If either ISS03 or ISS04 is present, then the other is required.
 - 4 If either ISS05 or ISS06 is present, then the other is required.

Notes: Example: ISS***27341.00*PN

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
R	ISS03	81	Weight	X R 1/10
			Numeric value of weight	
R	ISS04	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			PN Pounds Net	

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Optional (Recommended)
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: **1** If either CTT03 or CTT04 is present, then the other is required.
2 If either CTT05 or CTT06 is present, then the other is required.
Notes: Example: CTT*26

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> CTT01	<u>Element</u> 354 <u>Number of Line Items</u> Total number of line items in the transaction set	M NO 1/6

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Syntax Notes:

Notes: Example: SE*223*1

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M NO 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9