

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>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
			LOOP ID - N1			200	
M	070	N1	Name	M	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	
M	010	IT1	Baseline Item Data (Invoice)	M	1		
			LOOP ID - PID			1000	
M	060	PID	Product/Item Description	M	1		
M	120	REF	Reference Identification	M	>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>
M	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		
M	070	CTT	Transaction Totals	M	1		n1
M	080	SE	Transaction Set Trailer	M	1		

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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.

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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:

Semantic Notes: 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).

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</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 This value must match control number in Element SE02.	M AN 4/9

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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:

Semantic Notes:

- 1 BIG01 is the invoice issue date.
- 2 BIG03 is the date assigned by the purchaser to purchase order.
- 3 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.

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
M	BIG01	373	Date Date expressed as CCYYMMDD Invoice Date	M DT 8/8
M	BIG02	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
M	BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22

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- Segment:** N1 Name
Position: 070
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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.
Semantic Notes:
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.
 2 N105 and N106 further define the type of entity in N101.

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 RE Party to receive commercial invoice remittance	M ID 2/3
M	N102	93	Name Free-form name REMIT TO Send Supplier Name. Must be an EXACT Match of Name that is in AT&T's System for the 810 Invoice. AT&T will provide Name that is expected.	M AN 1/60
M	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	M ID 1/2
M	N104	67	Identification Code Code identifying a party or other code REMIT TO Send EDI Pay Location Code that is received on the AT&T Purchase Order in the REF-02 Segment when REF-01 is ZA. EDI Pay Location Code is sent on the Purchase Order in a REF Segment at the Header Level.	M AN 2/80

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Segment: IT1 Baseline Item Data (Invoice)

Position: 010

Loop: IT1 Mandatory

Level: Detail

Usage: Mandatory

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.

Semantic Notes: 1 IT101 is the purchase order line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Notes: Must send Buyer's Item Number and Vendor's Item Number if AT&T Sent on PO. SWITCH ORDERS ONLY NOTE: Send only one invoice line item for each billing category (IT1-11)

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Must match AT&T Purchase Order line item number that is being invoiced. SWITCH ORDERS ONLY NOTE: For Switch Invoices send sequential line item numbers including service items. EX: 01,02 ,03 Mandatory for Switch and Non-Switch Invoices	M AN 1/20
M	IT102	358	Quantity Invoiced Number of units invoiced (supplier units) Mandatory for Switch and Non-Switch Invoices	M R 1/10
M	IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Mandatory for Switch and Non-Switch Invoices Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	IT104	212	Unit Price Price per unit of product, service, commodity, etc. Explicit Decimal format, Send Decimal 39.99 for \$39.99 Mandatory for Switch and Non-Switch Invoices	M R 1/17
	IT105	639	Basis of Unit Price Code Code identifying the type of unit price for an item Only send if sent on Purchase Order in field PO1-05 TC Contract Price per Hundred TM Contract Price per Thousand	O ID 2/2
	IT106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Must send Buyer's Item Number on EDI Invoice if AT&T Sent on PO. IN Buyer's Item Number	X ID 2/2
	IT107	234	Product/Service ID Identifying number for a product or service AT&T Part Number	X AN 1/48
	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Must send Vendor's Item Number on EDI Invoice if AT&T Sent on PO.	X ID 2/2
	IT109	234	Product/Service ID Identifying number for a product or service Vendor's (Seller's) Item Number.	X AN 1/48

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IT110	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		SV Service Rendered	
IT111	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
		SWITCH ORDERS ONLY NOTE: Send only one invoice line item for each billing category (IT1-11)	
		ENG Vendor Engineering	
		HNH Hauling and Hoisting	
		LABI Vendor Labor	
		MATL Major Material	
		MATN Vendor Material	
		RNL Rents and Leases	
		RTUI RTU - Capitalized	
		RTUIN RTU - Capitalized	
		RTUO RTU - Expensed	
		RTUON RTU - Expensed	
		WARE Warehousing	

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Segment:	PID Product/Item Description
Position:	060
Loop:	PID Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To describe a product or process in coded or free-form format
Syntax Notes:	<ol style="list-style-type: none"> 1 If PID04 is present, then PID03 is required. 2 At least one of PID04 or PID05 is required. 3 If PID07 is present, then PID03 is required. 4 If PID08 is present, then PID04 is required. 5 If PID09 is present, then PID05 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 Use PID03 to indicate the organization that publishes the code list being referred to. 2 PID04 should be used for industry-specific product description codes. 3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate. 4 PID09 is used to identify the language being used in PID05.
Comments:	<ol style="list-style-type: none"> 1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used. 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment. 3 PID07 specifies the individual code list of the agency specified in PID03.
Notes:	Only send one PID segment per Line item IT1 Segment Send Product Description received on Purchase Order.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	PID01	349	Item Description Type Code indicating the format of a description F Free-form Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
M	PID05	352	Description A free-form description to clarify the related data elements and their content Product Description as received on Purchase Order.	M AN 1/80

Segment: REF Reference Identification
Position: 120
Loop: IT1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
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.

Semantic Notes:

- 1 REF04 contains data relating to the value cited in REF02.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	<u>Attributes</u>
M	REF01 128	Reference Identification Qualifier Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment	M ID 2/3
M	REF02 127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier AT&T Assigned Shipment number from Purchase Order. Received on Purchase Order in REF Segment at the line item level. REF-01 SI, REF-02 Shipment Number (example 1)	M AN 1/30

AT&T Corporate Standard Specifications for New Horizons Wireline EDI

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:

- Semantic Notes:**
- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
 - 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
 - 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
 - 4 TDS04 indicates the total amount of terms discount.

Comments: 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element Name</u>	<u>Attributes</u>
M	TDS01	610	Amount Monetary amount	M N2 1/15
Implicit Decimal format Do Not Send Decimal 3999 for \$39.99				

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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.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.
 - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Notes: TXI Segment is optional, send only if invoice has a tax charge.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	TXI01	963	Tax Type Code	M ID 2/2
			Code specifying the type of tax	
			TX All Taxes	
			Total of all applicable taxes	
M	TXI02	782	Monetary Amount	M R 1/18
			Monetary amount	
			Explicit Decimal format Send Decimal 39.99 for \$39.99	

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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.

- Semantic Notes:**
- 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.
If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 SAC16 is used to identify the language being used in SAC15.

- Comments:**
- 1 SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
 - 2 In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Notes: SAC Segment is optional, send only if invoice has a freight charge.

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Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified C Charge	M ID 1/1
M	SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge D240 Freight	M ID 4/4
M	SAC05	610	Amount Monetary amount Implicit Decimal Do Not send Decimal 3999 for \$39.99	M N2 1/15

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Segment: CTT Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Mandatory
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.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.
Notes: Total number of IT1 Segments

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

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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:

Semantic Notes:

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

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>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 Count of all segments in a transaction set including ST and SE.	M N0 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 This value must match control number in Element ST02.	M AN 4/9