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*PIPENET
Conventions for EDI*

*810
Invoice*

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810 Invoice

FUNCTIONAL GROUP ID = **IN**

This standard provides the format and establishes the data contents of an invoice transaction set. The invoice transaction set provides for customary and established business and industry practice relative to the billing for goods and services provided.

Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
3	010	ST	Transaction Set Header	M	1	
4	020	BIG	Beginning Segment for Invoice	M	1	
Not Used	030	NTE	Note/Special Instruction	F	100	
Not Used	040	CUR	Currency	O	1	
Not Used	050	REF	Reference Numbers	O	12	
Not Used	060	PER	Administrative Communications Contact	O	3	
5	070	N1	Name	O	1	200
6	080	N2	Additional Name Information	O	2	
7	090	N3	Address Information	O	2	
8	100	N4	Geographic Location	O	1	
9	110	REF	Reference Numbers	O	12	
10	120	PER	Administrative Communications Contact	O	3	
11	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5	
13	140	DTM	Date/Time Reference	O	10	
Not Used	150	FOB	F.O.B. Related Instructions	O	1	
Not Used	160	PID	Product/Item Description	O	200	
Not Used	170	MEA	Measurements	O	40	
Not Used	180	PWK	Paperwork	O	25	
Not Used	190	PKG	Marking, Packaging, Loading	O	25	
Not Used	200	L7	Tariff Reference	O	1	

Detail

14	010	IT1	Baseline Item Data (Invoice)	O	1	200000
17	015	QTY	Quantity	O	5	
Not Used	020	CUR	Currency	O	1	
Not Used	030	IT3	Additional Item Data	O	5	
Not Used	040	TXI	Tax Information	O	10	
Not Used	050	CTP	Pricing Information	O	25	
Not Used	059	MEA	Measurements	O	40	
Not Used	060	PID	Product/Item Description	O	1	1000
Not Used	070	MEA	Measurements	O	10	

Not Used	080	PWK	Paperwork	O	25	
Not Used	090	PKG	Marking, Packaging, Loading	O	25	
Not Used	100	PO4	Item Physical Details	O	1	
Not Used	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2	
Not Used	120	REF	Reference Numbers	O	>1	
Not Used	130	PER	Administrative Communications Contact	O	5	
Not Used	140	SDQ	Destination Quantity	O	500	
18	150	DTM	Date/Time Reference	O	10	
Not Used	160	CAD	Carrier Detail	O	>1	
Not Used	170	L7	Tariff Reference	O	>1	
Not Used	180	ITA	Allowance, Charge or Service	O	1	10
Not Used	190	TXI	Tax Information	O	10	
Not Used	200	SLN	Subline Item Detail	O	1	1000
Not Used	210	REF	Reference Numbers	O	>1	
Not Used	220	PID	Product/Item Description	O	1000	
Not Used	230	ITA	Allowance, Charge or Service	O	10	
19	235	TC2	Commodity	O	2	
20	240	N1	Name	O	1	200
Not Used	250	N2	Additional Name Information	O	2	
Not Used	260	N3	Address Information	O	2	
Not Used	270	N4	Geographic Location	O	1	
21	280	REF	Reference Numbers	O	12	
Not Used	290	PER	Administrative Communications Contact	O	3	

Summary

22	010	TDS	Total Monetary Value Summary	M	1	
Not Used	020	TXI	Tax Information	O	10	
Not Used	030	CAD	Carrier Detail	O	1	
23	040	ITA	Allowance, Charge or Service	O	1	10
Not Used	050	TXI	Tax Information	O	10	
Not Used	060	ISS	Invoice Shipment Summary	O	5	
25	070	CTT	Transaction Totals	M	1	
27	080	SE	Transaction Set Trailer	M	1	

Segment: ST Transaction Set Header

Level: Header

Loop: _____

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Comments: A The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set.	
		810 X12.2 Invoice	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a transaction set.	
		Control number assigned by the sender. It is sequentially assigned within each functional group. Sequential numbering aids in error recovery and research. ST02 must be the same as SE02.	

Segment: **BIG** Beginning Segment for Invoice
Level: Header
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and to transmit identifying numbers and dates.
Comments: A BIG07 is used only to further define the type of invoice when needed.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BIG01	245	Invoice Date Invoice Issue Date.	M DT 6/6
BIG02	76	Invoice Number Identifying number assigned by issuer.	M AN 1/22
BIG03	323	Purchase Order Date Date assigned by the purchaser to Purchase Order. Not Used by PIPENET	O DT 6/6
BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser. Not Used by PIPENET	O AN 1/22
BIG05	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction. Not Used by PIPENET	O AN 1/30
BIG06	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set. Not Used by PIPENET	O AN 1/8
BIG07	640	Transaction Type Code Code specifying the type of transaction.	O ID 2/2

Segment: **N1** Name
Level: Header
Loop: N1 **Repeat:** 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax: 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: A 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.

Notes: **PIPENET Allows six iterations of the N1 loop in the header. They are: Shipper, Carrier, Bill To, Wire To, Mail To and Secondary Bank.**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. BT Party to be Billed For Other Than Freight(Bill To) CA Carrier PE Payee RB Receiving Bank RE Party to receive commercial invoice remittance SH Shipper	M ID 2/2
N102	93	Name Free-form name.	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). 1 Dun and Bradstreet (Credit Reporting) (DUNS) 13 Federal Reserve Routing Code (FIRC) Used in the Wire To, Mail To and Secondary Bank loops. 22 Council of Petroleum Accounting Societies code (COPAS). 9 DUNS with 4-character suffix Used in the Shipper, Carrier and Bill To loops.	C ID 1/2
N104	67	Identification Code Code identifying a party.	C AN 2/17

Segment: N2 Additional Name Information
Level: Header
Loop: N1
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N201	93	Name Free-form name.	M AN 1/35
N202	93	Name Free-form name.	O AN 1/35

FINAL

Segment: N3 Address Information
Level: Header
Loop: N1
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N301	166	Address Information Address information	M AN 1/35
N302	166	Address Information Address information	O AN 1/35

FINAL

Segment: **N4** Geographic Location
Level: Header
Loop: N1
Usage: Optional
Max Use: 1

Purpose: To specify the geographic place of the named party

Syntax: **1 R0105**
 At least one of N401 or N405 is required.
2 P0506
 If either N405 or N406 is present, then the other is required.

Comments: **A** A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
B N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N401	19	City Name Free-form text for city name.	C AN 2/19
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency.	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O ID 4/9
N404	26	Country Code Code identifying the country. Not Used by PIPENET	O ID 2/2
N405	309	Location Qualifier Code identifying type of location. Not Used by PIPENET	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location. Not Used by PIPENET	C AN 1/25

Segment: **REF** Reference Numbers
Level: Header
Loop: N1
Usage: Optional
Max Use: 12

Purpose: To specify identifying numbers.

Syntax: **1 R0203**
 At least one of REF02 or REF03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference Number. MR Merchandise Type Code For PIPENET, this will identify the type of service.	M ID 2/2
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. When the N1 issued to convey information about the carrier (when N101 = "CA"), and REF01 = "MR", then values used by PIPENET for REF02 are: AL Allowance GA Gathering OT Other PU Pumping TR Trunk TT Transporation UL Unloading	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: **PER** Administrative Communications Contact
Level: Header
Loop: N1
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax: 1 **P0304**
 If either PER03 or PER04 is present, then the other is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named.	M ID 2/2
PER02	93	Name Free-form name.	O AN 1/35
PER03	365	Communication Number Qualifier Code identifying the type of communication number.	C ID 2/2
PER04	364	Communication Number Complete communications number including country or area code when applicable.	C AN 7/25

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Level: Header
Loop: ____
Usage: Optional
Max Use: 5
Purpose: To specify terms of sale.
Syntax: 1 **L03040513**
 If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 are required.
 2 **L08040513**
 If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 are required.
 3 **L091011**
 If ITD09 is present, then at least one of ITD10 or ITD11 are required.
Comments: A If the code in ITD01 is 04, then ITD09 is required and either ITD10 or ITD11 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.
 B ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Notes: For PIPENET, the maximum use for this segment is one.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITD01	336	Terms Type Code Code identifying type of payment terms.	O ID 2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period.	O ID 1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. Not Used by PIPENET	O R 1/6
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned. Not Used by PIPENET	C DT 6/6
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned. Not Used by PIPENET	C N0 1/3
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due.	O DT 6/6
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable).	O N0 1/3
ITD08	362	Terms Discount Amount Total amount of terms discount. Not Used by PIPENET	O N2 1/10

ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due. Not Used by PIPENET	O	DT	6/6
ITD10	389	Deferred Amount Due Deferred amount due for payment. Not Used by PIPENET	C	N2	1/10
ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent. Not Used by PIPENET	C	R	1/5
ITD12	352	Description A free-form description to clarify the related data elements and their content. Not Used by PIPENET	O	AN	1/80
ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of the month being referenced. Not Used by PIPENET	C	N0	1/2
ITD14	107	Payment Method Code Code identifying type of payment procedures. Not Used by PIPENET	O	ID	1/1
ITD15	954	Percent Percentage expressed as a decimal	O	R	1/10

Segment: DTM Date/Time Reference
Level: Header
Loop: _____
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: 1 R0203
At least one of DTM02 or DTM03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time.	M ID 3/3
DTM02	373	Date Date (YYMMDD).	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) Not Used by PIPENET	C TM 4/6
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. Not Used by PIPENET	O ID 2/2
DTM05	624	Century The first two characters in the designation of the year (CCYY).	O N0 2/2

Segment: IT1 Baseline Item Data (Invoice)
Level: Detail
Loop: IT1 **Repeat:** 200000
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions.

Syntax:

- 1 **C0607**
If IT106 is present, then IT107 is required.
- 2 **C0809**
If IT108 is present, then IT109 is required.
- 3 **C1011**
If IT110 is present, then IT111 is required.
- 4 **C1213**
If IT112 is present, then IT113 is required.
- 5 **C1415**
If IT114 is present, then IT115 is required.
- 6 **C1617**
If IT116 is present, then IT117 is required.
- 7 **C1819**
If IT118 is present, then IT119 is required.
- 8 **C2021**
If IT120 is present, then IT121 is required.
- 9 **C2223**
If IT122 is present, then IT123 is required.
- 10 **C2425**
If IT124 is present, then IT125 is required.

Comments:

- A Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of ID's.
- B IT101 is the purchase order line item identification.
- C IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set. For PIPENET, assign sequential number for each line item.	O AN 1/11
IT102	358	Quantity Invoiced Number of units invoiced (supplier units). Quantity of receipt or delivery	M R 1/10

IT103	355	Unit of Measurement Code Code identifying the basic unit of measurement.	M ID 2/2
IT104	212	Unit Price Price per unit of product, service, commodity, etc. In dollars	M R 1/14
IT105	639	Basis of Unit Price Code Code identifying the type of unit price for an item. Not Used by PIPENET	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). PQ Product ID Attribute Code	O ID 2/2
IT107	234	Product/Service ID Identifying number for a product or service. C Crude Oil N Natural Gas Liquids P Product	C AN 1/30
IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). TP Product Type Code	O ID 2/2
IT109	234	Product/Service ID Identifying number for a product or service. See Appendix A for API Product Code List.	C AN 1/30
IT110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). GC Grade Code Product grade movement ID	O ID 2/2
IT111	234	Product/Service ID Identifying number for a product or service. Product/crude movement identifier (Batch Number)	C AN 1/30
IT112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). SV Service Rendered	O ID 2/2
IT113	234	Product/Service ID Identifying number for a product or service. Use PIPENET - assigned codes: TR Transportation Charge SE Settlement TU Terminating and Unloading OC Other Charges	C AN 1/30
IT114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234). Not Used by PIPENET	O ID 2/2
IT115	234	Product/Service ID Identifying number for a product or service. Not Used by PIPENET	C AN 1/30

IT116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
Not Used by PIPENET			
IT117	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
Not Used by PIPENET			
IT118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
Not Used by PIPENET			
IT119	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
Not Used by PIPENET			
IT120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
Not Used by PIPENET			
IT121	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
Not Used by PIPENET			
IT122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
Not Used by PIPENET			
IT123	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
Not Used by PIPENET			
IT124	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234).	O ID 2/2
Not Used by PIPENET			
IT125	234	Product/Service ID Identifying number for a product or service.	C AN 1/30
Not Used by PIPENET			

Segment: QTY Quantity
Level: Detail
Loop: IT1
Usage: Optional
Max Use: 5
Purpose: To specify quantity information.
Set Notes: 1 The QTY segment is used to specify a quantity of units which are expected as payments, e.g., trade-ins or returns.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
QTY01	673	Quantity Qualifier Code specifying the type of quantity.	M ID 2/2
QTY02	380	Quantity Numeric value of quantity.	M R 1/15
QTY03	355	Unit of Measurement Code Code identifying the basic unit of measurement.	O ID 2/2

Segment: **DTM** Date/Time Reference
Level: Detail
Loop: IT1
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: 1 R0203
 At least one of DTM02 or DTM03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time. 035 Delivered	M ID 3/3
DTM02	373	Date Date (YYMMDD). Date of oil movement	C DT 6/6
DTM03	337	Time Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959). Not Used by PIPENET	C TM 4/6
DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow. Not Used by PIPENET	O ID 2/2
DTM05	624	Century The first two characters in the designation of the year (CCYY).	O N0 2/2

Segment: **TC2** Commodity
Level: Detail
Loop: IT1/SLN
Usage: Optional
Max Use: 2
Purpose: To identify a commodity or a group of commodities or a tariff page commodity

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TC201	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code.	M ID 1/1
TC202	22	Commodity Code Code describing a commodity or group of commodities.	M AN 1/16

Segment: **N1** Name
Level: Detail
Loop: IT1/N1 **Repeat:** 200
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name and code
Syntax: 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: A 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.
Notes: **PIPENET allows four iterations of the N1 loop in the detail. They are: Consignee, Ship To, Ship From and Vessel Name. For PIPENET "OV" is the vessel name.**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. CN Consignee OV Owner of Vessel SF Ship From ST Ship To	M ID 2/2
N102	93	Name Free-form name.	C AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67). 20 Standard Point Location Code (SPLC) Used only in the Consignee loop. 22 Council of Petroleum Accounting Societies code (COPAS). 9 DUNS with 4-character suffix Used only in the Consignee loop.	C ID 1/2
N104	67	Identification Code Code identifying a party.	C AN 2/17

Segment: **REF** Reference Numbers
Level: Detail
Loop: IT1/N1
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax: 1 **R0203**
 At least one of REF02 or REF03 is required.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	128	Reference Number Qualifier Code qualifying the Reference Number. The following codes are used in the Ship To loop: MR Merchandise Type Code Tariff type SA Salesperson Tariff issuer TN Transaction Reference Number For transaction number TS Tariff Number	M ID 2/2
REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. When the N1 loop is used to convey information about Ship To (when N101 = "ST"), and REF01 = "MR", "SA", "TN", then values used by PIPENET for REF02 are: AL Allowance GA Gathering OT Other PU Pumping TR Trunk TT Transporation UL Unloading	C AN 1/30
REF03	352	Description A free-form description to clarify the related data elements and their content.	C AN 1/80

Segment: TDS Total Monetary Value Summary

Level: Summary

Loop: _____

Usage: Mandatory

Max Use: 1

Purpose: To specify the total invoice discounts and amounts

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

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
TDS01	361	Total Invoice Amount Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).	M N2 1/10
TDS02	390	Amount Subject to Terms Discount Amount upon which the terms discount amount is calculated.	C N2 1/10
Not Used by PIPENET			
TDS03	391	Discounted Amount Due Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount.)	O N2 1/10
Not Used by PIPENET			
TDS04	362	Terms Discount Amount Total amount of terms discount.	O N2 1/10
Not Used by PIPENET			

Segment: ITA Allowance, Charge or Service

Level: Summary

Loop: ITA Repeat: 10

Usage: Optional

Max Use: 1

Purpose: To specify allowances, charges or services

Syntax: 1 L02031314
If ITA02 is present, then at least one of ITA03, ITA13 or ITA14 are required.

2 C0809

If ITA08 is present, then ITA09 is required.

3 C1011

If ITA10 is present, then ITA11 is required.

Comments: A If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.

B ITA02 identifies the source of the code value in ITA03

C If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

D ITA12 is the quantity of free goods.

E ITA13 is used to clarify the allowance, charge or service.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified.	M ID 1/1
ITA02	559	Agency Qualifier Code Code identifying the agency assigning the code values.	O ID 2/2
ITA03	560	Special Services Code Code identifying the special service.	C ID 2/10
Not Used by PIPENET			
ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge.	M ID 2/2
ITA05	341	Allowance or Charge Number The number assigned by a vendor referencing an allowance, promotion, deal or charge.	O AN 1/16
Not Used by PIPENET			
ITA06	359	Allowance or Charge Rate Allowance or Charge Rate per Unit.	O R 1/9
Not Used by PIPENET			
ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	O N2 1/9
ITA08	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated.	O ID 1/1
Not Used by PIPENET			

ITA09	332	Allowance or Charge Percent Allowance or charge expressed as a percent. Not Used by PIPENET	C R	1/6
ITA10	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from the purchase order or invoice quantity. Not Used by PIPENET	O R	1/10
ITA11	355	Unit of Measurement Code Code identifying the basic unit of measurement. Not Used by PIPENET	C ID	2/2
ITA12	380	Quantity Numeric value of quantity. Not Used by PIPENET	O R	1/15
ITA13	352	Description A free-form description to clarify the related data elements and their content. Not Used by PIPENET	C AN	1/80
ITA14	150	Special Charge or Allowance Code Code identifying type of special charge or allowance.	C ID	3/3

Segment: CTT Transaction Totals
Level: Summary
Loop: ____
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
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.
Syntax: 1 C0304
 If CTT03 is present, then CTT04 is required.
 2 C0506
 If CTT05 is present, then CTT06 is required.
Comments: A This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
CTT01	354	Number of Line Items Total number of line items in the transaction set. For PIPENET, a count of the number of IT1 segments	M NO 1/6
CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element. Example: -0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. Not Used by PIPENET	O R 1/10
CTT03	81	Weight Numeric value of weight. Not Used by PIPENET	O R 1/8
CTT04	355	Unit of Measurement Code Code identifying the basic unit of measurement. Not Used by PIPENET	C ID 2/2
CTT05	183	Volume Value of volumetric measure. Not Used by PIPENET	O R 1/8

CTT06	355	Unit of Measurement Code Code identifying the basic unit of measurement.	C ID 2/2
Not Used by PIPENET			
CTT07	352	Description A free-form description to clarify the related data elements and their content.	O AN 1/80
Not Used by PIPENET			

FINAL

Segment: SE Transaction Set Trailer
Level: Summary
Loop: ____
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).
Comments: A SE is the last segment of each transaction set.

Data Element Summary


REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M NO 1/6
SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9
SE02 must be the same as ST02.			


FINAL


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Tips *These buttons help you find, view and use ACCESSRAMP™ text*


Bookmarks/Thumbnails

 When bookmarks are onscreen, click on triangles to show or hide subtopics.

 When bookmarks are onscreen, a double-click on one of these brings its topic to the page window.

 Closes thumbnails or bookmarks and displays the page window only.

 Displays bookmarks and a page.

 Displays thumbnails and a page.

Page Viewing



Magnifies, reduces the page: click the button, then click within the document. Or click and drag to enlarge an area.



When part of the page fills the window, the hand icon drags the page so that the rest can be shown.

Text Copying



Selects text to copy to the clipboard.

Page 1 of 5, click this button for page 2 

Acrobat™

Tips *Use these buttons to quickly move from page to page and to set the page size*

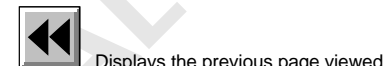
Page Turning

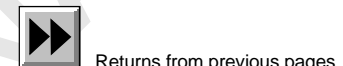
 Displays the first page.

 Displays the previous page.

 Displays the last page.

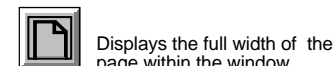
 Displays the next page.

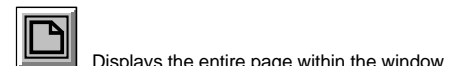
 Displays the previous page viewed.

 Returns from previous pages.

Page Size Setting

 Sets the page view to 100%.

 Displays the full width of the page within the window.

 Displays the entire page within the window.

 Click this button for page 1

Page 2 of 5

Click this button for page 3



Acrobat™

Tips *ACCESSRAMP™ bookmarks work like a table of contents*

Collapsing and expanding topics

Triangle icons in the bookmark area let you expand or collapse subtopics by clicking. A triangle that faces down indicates a topic is expanded. A triangle that faces to the right indicates a topic is collapsed.

To make scrolling the bookmark area easier, collapse all topics.

As you move the cursor past the border between the bookmark area and the page window a double arrow appears. Drag the double arrow to resize the bookmark area.

Finding EDI segments in ACCESSRAMP

Most ACCESSRAMP titles are based upon ASC X12 transaction sets or UN/EDIFACT messages. The hierarchy of these EDI standards creates a natural way to locate a message's interrelated parts.

- In each message listing, there is a column of page numbers to the left of the segment identifier. Click on a page number and the page window changes to the selected segment.
- You can also use the bookmarks for the same purpose.



Click this button for page 2

Page 3 of 5

Click this button for page 4



Acrobat™

Tips *Tips for opening multiple documents and jumping to specific pages*

Opening multiple documents

You might want to have more than one ACCESSRAMP document open at one time. For example, a data element dictionary and one or more transaction sets can be open for instant cross access.

From within ACCESSRAMP, choose File|Open to open another document. Files that can be read by ACCESSRAMP have the file extension *.PDF.

Use the Window menu to switch between the documents that are open.

Going to a specific page

In addition to using bookmarks and the message listing, there are two additional ways to get to a specific page.

- Click the page number box at the bottom of the window. Type the number of the page in the dialog box, then click OK.
- Click and hold the vertical scroll box; as you move the scroll box, a page number appears to the left of the scroll bar. Stop dragging the scroll box when it reaches the page you want.



Click this button for page 3

Page 4 of 5

Click this button for page 5



Acrobat™

Tips *Magnification and manipulating the size of the onscreen image*

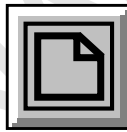
Changing page magnification

The magnification box is at the bottom of the page window next to the page number box. Click and hold to select a preset percentage of magnification.

Selecting "Other..." displays a dialog box. By typing in a number (between 12 and 800) you can set any magnification from 12% to 800%.

You can preset ACCESSRAMP to open at any desired magnification by using the "Preferences..." dialog box under the "Edit" menu.

Fitting the page to your screen



When the displayed image is too small or too large, click this button. The page will fill the window at the maximum magnification possible.



[Click this button for page 4](#)

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