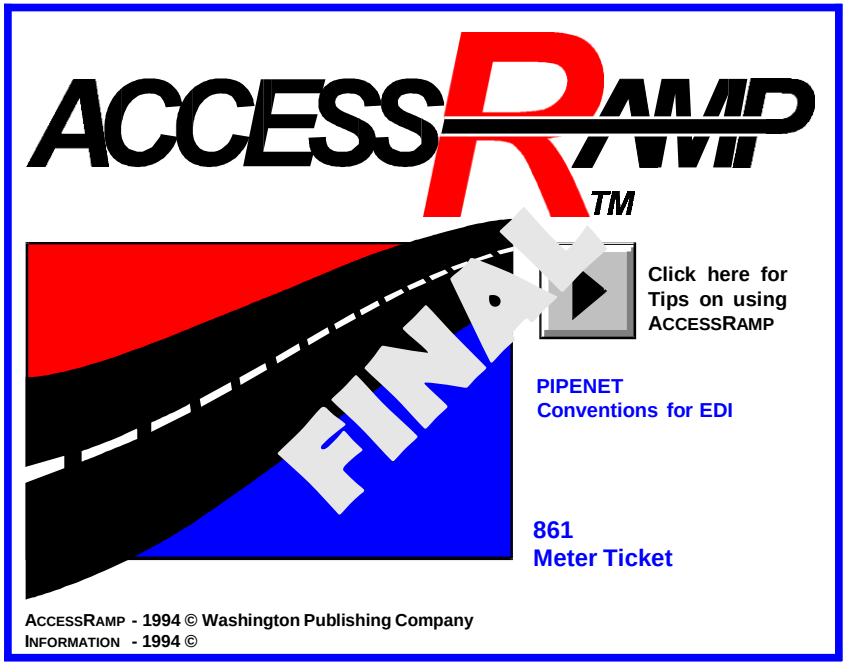
PIPENET Conventions for EDI 861 Meter Ticket



861 Receiving Advice/Acceptance Certificate

FUNCTIONAL GROUP ID = **RC**

This standard provides the format and establishes the data contents of a receiving advice or acceptance certificate transaction set. The receiving advice or acceptance certificate transaction set provides for customary and established business and industry practice relative to the notification of receipt or formal acceptance of goods and services.

There is one header area per Meter Ticket transaction set. The detail area of the Meter Ticket transaction set consists of sequentially numbered Line Items. Each Line Item transmits one Meter Ticket. Each transaction set may send 200,000 tickets.

Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
3	010	ST	Transaction Set Header	M	1	
4	020	BRA	Beginning Segment for Receiving Advice or Acceptance Certificate	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	DTM	Date/Time Reference	M	10	
Not Used	080	PRF	Purchase Order Reference	O	25	
Not Used	090	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	110	TD3	Carrier Details (Equipment)	O	12	
Not Used	120	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
Not Used	125	MEA	Measurements	O	40	
6	130	N1	Name	O	1	200
8	140	N2	Additional Name Information	O	2	
9	150	N3	Address Information	O	2	
10	160	N4	Geographic Location	O	1	
Not Used	170	REF	Reference Numbers	O	100	
Not Used	180	PER	Administrative Communications Contact	O	3	
Not Used	190	FOB	F.O.B. Related Instructions	O	1	

Detail

11	010	RCD	Receiving Conditions	O	1	200000
Not Used	020	SN1	Item Detail (Shipment)	O	1	
Not Used	030	CUR	Currency	O	1	

14	040	LIN	Item Identification	O	100	
18	050	PID	Product/Item Description	O	1000	
Not Used	060	PO4	Item Physical Details	O	100	
20	070	REF	Reference Numbers	O	12	
Not Used	080	PER	Administrative Communications Contact	O	3	
21	090	DTM	Date/Time Reference	O	10	
Not Used	100	PRF	Purchase Order Reference	O	25	
22	110	MEA	Measurements	O	40	
Not Used	120	FOB	F.O.B. Related Instructions	O	1	
Not Used	130	TD1	Carrier Details (Quantity and Weight)	O	20	
Not Used	140	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	150	TD3	Carrier Details (Equipment)	O	12	
Not Used	160	TD4	Carrier Details (Special Handling or Hazardous Materials or Both)	O	5	
25	170	ITA	Allowance, Charge or Service	O	10	
Not Used	180	MAN	Marks and Numbers	O	10	
Not Used	190	SLN	Subline Item Detail	O	1	100
Not Used	200	PID	Product/Item Description	O	1000	
28	210	N1	Name	O	1	200
Not Used	220	N2	Additional Name Information	O	2	
Not Used	230	N3	Address Information	O	2	
Not Used	240	N4	Geographic Location	O	1	
30	250	REF	Reference Numbers	O	100	
31	260	PER	Administrative Communications Contact	O	3	
Not Used	270	FOB	F.O.B. Related Instructions	O	1	

Summary

32	010	CTT	Transaction Totals	O	1
34	020	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** Code uniquely identifying a Transaction Set. **861 X12.12 Receiving Advice**	M ID 3/3
ST02	329	**Transaction Set Control Number** 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.**	M AN 4/9

Segment: **BRA** Beginning Segment for Receiving Advice or Acceptance Certificate

Level: Header

Loop: ____

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a receiving advice or acceptance certificate transaction set and to transmit an identifying number, date and time

Comments: **A** BRA02 is the date that the receiving advice transaction set is created.

B BRA05 is the time that the receiving advice transaction set is created.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
BRA01	127	**Reference Number** Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. **M Meter Ticket**	M AN 1/30
BRA02	373	**Date** Date (YYMMDD).	M DT 6/6
BRA03	353	**Transaction Set Purpose Code** Code identifying purpose of transaction set. **00 Original** **04 Change** **07 Duplicate** **22 Information Copy**	M ID 2/2
BRA04	962	**Receiving Advice or Acceptance Certificate Type Code** Code specifying type of receiving advice **2 Post Receipt Advice**	M ID 1/1
BRA05	337	**Time** Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) **Not Used by PIPENET**	O TM 4/6
BRA06	412	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment. **Not Used by PIPENET**	O ID 2/2

Segment: **DTM** Date/Time Reference

Level: Header

Loop: ____ **Usage:**

Mandatory

Max Use: 10

Purpose: To specify pertinent dates and times

Syntax: **1 R0203**

At least one of DTM02 or DTM03 is required.

Notes: **This date is identical to BRA02. This segment is mandatory in the ASC X12 861 transaction set and for PIPENET all three data elements of the segment must be sent.**

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. **009 Process**	M ID 3/3
DTM02	373	**Date** Date (YYMMDD). **Required by PIPENET**	C DT 6/6
DTM03	337	**Time** Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) **Required 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: **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: **Required by PIPENET**

PIPENET allows three iterations of the N1 loop. They are Carrier Name (mandatory for PIPENET), Ticket Transaction Set Destination (mandatory for PIPENET) and Account of (optional for PIPENET).

The preferred method for sending the name is to use the N103 and N104 data elements. If the name is sent in N103 and N104 then do not send N102. However, if the name is sent as alpha-numeric in N102 then do not send N103 and N104.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
N101	**98**	**Entity Identifier Code** Code identifying an organizational entity or a physical location.	**M ID 2/2**
		AO Account Of	
		CA Carrier	
		CN Consignee	
		OP Operator of property or unit	
		SH Shipper	
		SU Supplier/Manufacturer	
		UC Ultimate Consignee WF	
		Tank Farm Owner	
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).	**C ID 1/2**
		1 Dun and Bradstreet (Credit Reporting) (DUNS)	
		22 Council of Petroleum Accounting Societies code (COPAS).	
		9 DUNS with 4-character suffix	
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
Notes: **Do not send this segment if the name is sent in N103 and N104.**

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

Segment: **N3** Address Information
Level: Header
Loop: N1
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Notes: **Do not send this segment if the name is sent in N103 and N104.**

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

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.

Notes: **Do not send this segment if the name is sent in N103 and N104.**

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: **RCD** Receiving Conditions
Level: Detail
Loop: RCD **Repeat:** 200000
Usage: Optional
Max Use: 1
Purpose: To report receiving conditions and specify contested quantities
Syntax: **1 R020406**
At least one of RCD02, RCD04 or RCD06 is required.

2 C0203
If RCD02 is present, then RCD03 is required.

3 C0405
If RCD04 is present, then RCD05 is required.

4 C060708
If RCD06 is present, then RCD07 and RCD08 are required.

5 C091011
If RCD09 is present, then RCD10 and RCD11 are required.

6 C121314
If RCD12 is present, then RCD13 and RCD14 are required.

7 C151617
If RCD15 is present, then RCD16 and RCD17 are required.

8 C181920
If RCD18 is present, then RCD19 and RCD20 are required.

Comments: **A** See the Data Dictionary for a complete list of receiving condition ID's.

B RCD01 is the receiving advice line item identification.

C RCD06 through RCD20 provide for five (5) different quantities whose condition upon receipt is under question.

D RCD21 is the cumulative quantity of goods received for a specific time period.

Notes: **The RCD segment is used by PIPENET to define the start of a meter ticket. For PIPENET if RCD02 is sent then RCD03 is required.**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
RCD01	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set. **For PIPENET the pipeline number assigned by the carrier.**	O AN 1/11
RCD02	663	**Quantity Units Received or Accepted** Number of Units Received or Accepted **For PIPENET this is the ticket Net Volume.**	C R 1/9

RCD03 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
CO Cubic Meters (Net)
ND Net Barrels
NG Net Gallons
PN Pounds Net

RCD04 664 **Quantity Units Returned** C R 1/9
Number of units returned.
Not Used by PIPENET

RCD05 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
Not Used by PIPENET

RCD06 667 **Quantity in Question** C R 1/9
Number of units contested because of physical condition or status of units.
Not Used by PIPENET

RCD07 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
Not Used by PIPENET

RCD08 412 **Receiving Condition Code** C ID 2/2
Code designating physical condition or status of units received in a specific shipment.
Not Used by PIPENET

RCD09 667 **Quantity in Question** O R 1/9
Number of units contested because of physical condition or status of units.
Not Used by PIPENET

RCD10 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
Not Used by PIPENET

RCD11 412 **Receiving Condition Code** C ID 2/2
Code designating physical condition or status of units received in a specific shipment.
Not Used by PIPENET

RCD12 667 **Quantity in Question** O R 1/9
Number of units contested because of physical condition or status of units.
Not Used by PIPENET

RCD13 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
Not Used by PIPENET

RCD14 412 **Receiving Condition Code** C ID 2/2
Code designating physical condition or status of units received in a specific shipment.
Not Used by PIPENET

RCD15 667 **Quantity in Question** O R 1/9
Number of units contested because of physical condition or status of units.
Not Used by PIPENET

RCD16 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
Not Used by PIPENET

RCD17 412 **Receiving Condition Code** C ID 2/2
Code designating physical condition or status of units received in a specific shipment.
Not Used by PIPENET

RCD18 667 **Quantity in Question** O R 1/9
Number of units contested because of physical condition or status of units.
Not Used by PIPENET

RCD19 355 **Unit of Measurement Code** C ID 2/2
Code identifying the basic unit of measurement.
Not Used by PIPENET

RCD20 412 **Receiving Condition Code** C ID 2/2
Code designating physical condition or status of units received in a specific shipment.
Not Used by PIPENET

RCD21 380 **Quantity** O R 1/15
Numeric value of quantity.
Not Used by PIPENET

Segment: **LIN** Item Identification
Level: Detail
Loop: RCD
Usage: Optional
Max Use: 100
Purpose: To specify basic item identification data.
Syntax:
1 C0405
If LIN04 is present, then LIN05 is required.
2 C0607
If LIN06 is present, then LIN07 is required.
3 C0809
If LIN08 is present, then LIN09 is required.
4 C1011
If LIN10 is present, then LIN11 is required.
5 C1213
If LIN12 is present, then LIN13 is required.
6 C1415
If LIN14 is present, then LIN15 is required.
7 C1617
If LIN16 is present, then LIN17 is required.
8 C1819
If LIN18 is present, then LIN19 is required.
9 C2021
If LIN20 is present, then LIN21 is required.
10 C2223
If LIN22 is present, then LIN23 is required.
11 C2425
If LIN24 is present, then LIN25 is required.
12 C2627
If LIN26 is present, then LIN27 is required.
13 C2829
If LIN28 is present, then LIN29 is required.
14 C3031
If LIN30 is present, then LIN31 is required.
Comments:
A See the Data Dictionary for a complete list of ID's.
B LIN01 is the line item identification
C LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.
Notes: **Required by PIPENET**

For PIPENET the following rules supersede the ASC X12 Attributes for the data elements of the LIN segment:

LIN06 and LIN07 may only be used to send the Primary Movement Identifier.

LIN08 and LIN09 may only be used to send the Transaction Code.

LIN10 and LIN11 may only be used to send the Ticket Type.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
LIN01	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set.	O AN 1/11
LIN02	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** **Required by PIPENET**	M ID 2/2
LIN03	234	**Product/Service ID** Identifying number for a product or service. **C Crude Oil** **P Product** **N Natural Gas Liquids**	M AN 1/30
LIN04	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234). **TP Product Type Code** **Required by PIPENET**	O ID 2/2
LIN05	234	**Product/Service ID** Identifying number for a product or service. **See Appendix A for Product Code List.**	C AN 1/30
LIN06	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234). **GC Grade Code**	O ID 2/2
LIN07	234	**Product/Service ID** Identifying number for a product or service.	C AN 1/30
LIN08	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234). **TA Pipeline Transaction Code**	O ID 2/2
LIN09	234	**Product/Service ID** Identifying number for a product or service.	C AN 1/30

10 Receipt - Custody (into tanks)
11 Receipt - Custody (into line)
12 Receipt - Gathering Location
17 Receipt Transfer Record
21 Delivery - Custody (from line)
22 Delivery - Custody (from tanks)
24 Transmix Delivery (out of tanks)
31 Water Adjustment Record
32 Inventory - Adjustment
33 Void Ticket

LIN10 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).

MO Movement Type Code
For PIPENET, the MO Qualifier is used to declare the Ticket Type Qualifier Code.

LIN11 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.

BU Bulk LE
Lease PL
Pipeline
TR Terminal Representative
PF Pipeline Facility
CR Credit
SK Skid Ticket
UT Underground Tanks
TR Truck Rack

LIN12 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN13 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN14 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN15 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN16 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN17 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN18 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN19 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN20 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN21 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN22 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN23 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN24 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN25 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN26 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN27 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN28 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN29 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

LIN30 235 **Product/Service ID Qualifier** O ID 2/2
Code identifying the type/source of the descriptive number used in Product/Service ID (234).
Not Used by PIPENET

LIN31 234 **Product/Service ID** C AN 1/30
Identifying number for a product or service.
Not Used by PIPENET

Segment: **PID** Product/Item Description
Level: Detail
Loop: RCD
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax: **1 C0403**
If PID04 is present, then PID03 is required.

2 R0405
At least one of PID04 or PID05 is required.

Comments: **A** If PID01 = "F", then PID05 is used. If PID01 = "S", then PID04 is used. If PID01 = "X", then both PID04 and PID05 are used.

B Use PID03 to indicate the organization that publishes the code list being referred to.

C PID04 should be used for industry-specific product description codes.

D Use PID06 when necessary to refer to the product surface or layer being described in the segment.

Notes: **PIPENET allows three iterations of the PID segment. They are Product/Item Description - Millipore, Product/Item Description - Color and Previous Movement Identifier.**

The use of the PID segment allows quality control data items to be sent using alpha-numeric descriptions.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
PID01	349	**Item Description Type** Code indicating the format of a description. **F Free-form** **X Semi-structured (Code and Text)**	M ID 1/1
PID02	750	**Product/Process Characteristic Code** Code specifying the product or process characteristic being described. **35 Color** **40 Shade** **Used to declare the Millpore Qualifier Code.** **SYN Synonym** **Used to declare the Previous Movement Identifier defined by a connecting carrier or other associated party.**	O ID 2/3
PID03	559	**Agency Qualifier Code** Code identifying the agency assigning the code values. **Not Used by PIPENET**	C ID 2/2

PID04	751	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic. **Not Used by PIPENET**	C AN 1/12
PID05	352	**Description** A free-form description to clarify the related data elements and their content.	C AN 1/80
PID06	752	**Surface/Layer/Position Code** Code indicating the product surface, layer or position that is being described. **Not Used by PIPENET**	O ID 2/2

Segment: **REF** Reference Numbers
Level: Detail
Loop: RCD
Usage: Optional
Max Use: 12
Purpose: To specify identifying numbers.
Syntax: **1 R0203**
At least one of REF02 or REF03 is required.
Notes: **PIPENET allows four iterations of the REF segment. They are Tank Number, Tariff Number, Bill of Lading Number and Customer Reference Number.**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. **BM Bill of Lading Number** **CR Customer Reference Number** **TK Tank 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.	**C AN 1/30**
REF03	**352**	**Description** A free-form description to clarify the related data elements and their content. **If the Reference can be described by a numeric value then send this number is REF02. Otherwise, send the Reference as alpha-numeric text in REF03.**	**C AN 1/80**

Segment: **DTM** Date/Time Reference
Level: Detail
Loop: RCD
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax: **1 R0203**
At least one of DTM02 or DTM03 is required.
Notes: **Required by PIPENET**
PIPENET allows three iterations of the DTM segment. They are Ticket Date, Ticket Start Date/Time and Ticket Stop Date/Time.

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** **Used to declare the Ticket Date DTM segment.** **090 Report Start** **091 Report End**	**M ID 3/3**
DTM02	**373**	**Date** Date (YYMMDD). **Required by PIPENET**	**C DT 6/6**
DTM03	**337**	**Time** Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959) **Required for PIPENET for Ticket Start Date/Time DTM segment and Ticket Stop Date/Time DTM segment.** **Optional for Ticket Date DTM segment.**	**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: **MEA** Measurements
Level: Detail
Loop: RCD
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimensions, tolerances, weights and counts.
Syntax:
1 R03050608
At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2 C0304
If MEA03 is present, then MEA04 is required.
3 C0504
If MEA05 is present, then MEA04 is required.
4 C0604
If MEA06 is present, then MEA04 is required.
5 L07030506
If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 are required.
6 E0803
Only one of MEA08 or MEA03 may be present.

Comments: **A** When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Notes: **PIPENET allows seventeen iterations of the MEA segment. They are Observed PIDX Gravity, Observed PIDX Gravity Corrected to 60 Degrees, Specific Gravity, % B S & W, Water Volume, Weighted Average Correction Factor, Temperature Factor, LPG Factor, Pressure Factor, Distributed Meter Factor, Composite Corrected Factor, Quality Control, Reid Pressure Factor, Average Pressure, Observed Temperature, Average Temperature and Volume Split to Others.**

For PIPENET, one of the three types of gravity must be sent. PIPENET allows sending all three if necessary.

If MEA02 is "OAP" and MEA04 is "ZZ" then the segment defines the Observed PIDX Gravity.
If MEA02 is "OAP" and MEA04 is "DD" then the segment defines the Observed PIDX Gravity Corrected to 60 Degrees.

For PIPENET at least one MEA segment for the temperature data must be sent.
If transmitting PIDX Corrected Gravity then do not send the Observed Temperature.
If meter is temperature compensated then send zeros in the Average Temperature and Temperature Factor fields. For non-temperature compensated meters transmit either Average Temperature or Temperature Factor.

% BSW value expressed in Percentage of RCD02.
Water Volume expressed in Units of Measure declared in RCD03.

Weighted Average Correction Factor will be distinguished from Composite Corrected Factor by defining MEA01 as "AV" for Weighted Average Correction Factor.

Transmit either Average Pressure or Pressure Factor. PIPENET allows sending both if necessary.

If one meter is used for the ticket then transmit the distributed meter factor in the meter proving report section.

Use MEA01 code "DT" for any factor data elements. Use MEA01 code "SH" for Volumes Split to Others and any Quanlity Control data elements.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
MEA01	737	**Measurement Reference ID Code** Code specifying the application of physical measurement cited. **AV Average Reading** **DT Dimensional Tolerance** **R1 Opening Reading** **R2 Closing Reading** **SH Shipping Tolerance**	O ID 2/2
MEA02	738	**Measurement Qualifier** Code identifying the type of measurement. **BSW Percent Bottom Sediment and Water** **CCF Composite Corrected Factor** **DMF Distributed Meter Factor** **FP Flashpoint** **H2O Water Volume** **HAZ Haze** **LPG Liquified Petroleum Gas Factor** **MK Microseperometer (MSEP)** **OAP Observed American Petroleum Institute Gravity** **OBT Observed Temperature**	O ID 1/3

ODR Odor
PB Pressure
PRF Pressure Factor
PY Percent of Water
RVP Reid Vapor Pressure
SPG Specific Gravity
TC Temperature
TPF Temperature Factor
VSO Volume Split to Others
ZO Oxygen

MEA03	739	**Measurement Value** The value of the measurement.	C	R	1/10
MEA04	355	**Unit of Measurement Code** Code identifying the basic unit of measurement.	C	ID	2/2

BR Barrel
CE Centigrade, Celsius
CO Cubic Meters (Net)
CR Cubic Meter
DD Degree
FA Fahrenheit
GD Gross Barrels
GN Gross Gallons
KG Kilogram
NG Net Gallons
PS Pounds per Sq. Inch
ZZ Mutually Defined

MEA05	740	**Range Minimum** The value specifying the minimum of the measurement range.	C	R	1/10

Not Used by PIPENET

MEA06	741	**Range Maximum** The value specifying the maximum of the measurement range.	C	R	1/10

Not Used by PIPENET

MEA07	935	**Measurement Significance Code** Code used to benchmark, qualify or further define a measurement value.	O	ID	2/2

Not Used by PIPENET

MEA08	936	**Measurement Attribute Code** Code used to express an attribute response when a numeric measurement value cannot be determined.	C	ID	2/2

Not Used by PIPENET

MEA09	752	**Surface/Layer/Position Code** Code indicating the product surface, layer or position that is being described.	O	ID	2/2

Not Used by PIPENET

Segment: **ITA** Allowance, Charge or Service
Level: Detail
Loop: RCD
Usage: Optional
Max Use: 10
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.

Notes: **Required by PIPENET**

For each meter used for the ticket transmit the meter number and other essential data using this ITA segment.
If the meter factor is greater than or equal to 1 then ITA01 = "A".
If the meter factor is less than 1 then ITA01 = "C".
If meter factor is not sent in the ITA segment then ITA01 = "N".
If ITA01 is "A" or "C" then the meter factor must be sent in ITA06.
If one meter is used for the ticket then this segment is used to transmit the ticket meter factor in ITA06.
If one meter is used for the ticket then % distribution is implied as 100% and ITA08 and ITA09 are not included in the segment.
If ending meter reading is sent then ITA11 is mandatory.
If the meter reading is combined then the beginning meter reading data element is the combined beginning reading.
If the meter reading is combined then the ending meter reading data element is the combined ending reading.
Transmit meter proving reports only for the meters used for the ticket.

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. **A Allowance** **C Charge** **N No Allowance or Charge**	M ID 1/1
ITA02	559	**Agency Qualifier Code** Code identifying the agency assigning the code values. **Not Used by PIPENET**	O ID 2/2
ITA03	560	**Special Services Code** Code identifying the special service. **Not Used by PIPENET**	C ID 2/10
ITA04	331	**Allowance or Charge Method of Handling Code** Code indicating method of handling for an allowance or charge. **ZZ Mutually Defined**	M ID 2/2
ITA05	341	**Allowance or Charge Number** The number assigned by a vendor referencing an allowance, promotion, deal or charge. **For PIPENET this is the meter number or descriptor assigned by the carrier.**	O AN 1/16
ITA06	359	**Allowance or Charge Rate** Allowance or Charge Rate per Unit. **For PIPENET this is the meter factor for the meter defined in ITA05.**	O R 1/9
ITA07	360	**Allowance or Charge Total Amount** Total dollar amount for the allowance or charge. **Not Used by PIPENET**	O N2 1/9
ITA08	378	**Allowance/ Charge Percent Qualifier** Code indicating on what basis allowance or charge percent is calculated. **Z Mutually Defined**	O ID 1/1
ITA09	332	**Allowance or Charge Percent** Allowance or charge expressed as a percent. **For PIPENET this is the volume distribution (% distribution) for the meter defined in ITA05.**	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. **For PIPENET this is the ending meter reading.**	O R 1/10
ITA11	355	**Unit of Measurement Code** Code identifying the basic unit of measurement. **CO Cubic Meters (Net)** **ND Net Barrels** **NG Net Gallons** **PN Pounds Net**	C ID 2/2

ITA12	380	**Quantity** Numeric value of quantity. **For PIPENET this is the beginning meter reading.**	O R 1/15
ITA13	352	**Description** A free-form description to clarify the related data elements and their content. **For PIPENET this is the proving report number for the meter defined in ITA05.**	C AN 1/80
ITA14	150	**Special Charge or Allowance Code** Code identifying type of special charge or allowance. **Not Used by PIPENET**	C ID 3/3

Segment: **N1** Name
Level: Detail
Loop: RCD/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 eight iterations of the N1 segment. They are Ticket Location, Tankage Name, Meter Ticket, Lease Name, Consignee or Supplier Name, Ultimate Consignee, Connecting Carrier or Refinery Name and Vessel Name.**

The Meter Ticket transaction set requires that a segment be sent with either the Point of Origin (N101 = ''SF'') or Point of Delivery (N101 = ''ST''). The preferred method for sending the name is to use the N103 and N104 data elements. If the name is sent in N103 and N104 then do not send N102. However, if the name is sent as alpha-numeric in N102 then do not send N103 and N104.

If N101 in the N1 segment for the Transaction Set Destination in the Header is ''SH'' then ''SH'' is not allowed in this N1 segment of the Detail Area.
If N101 in the N1 segment for the Transaction Set Destination in the Header is ''OP'' then ''OP'' is not allowed in this N1 segment of the Detail Area.
Use N101 code ''OV'' to send a 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.	**M**	**ID**	**2/2**
		CN Consignee			
		IK Intermediate Carrier			
		OP Operator of property or unit			
		OV Owner of Vessel			
		PP Property			
		RF Refinery			
		SF Ship From			

		SH Shipper			
		ST Ship To			
		SU Supplier/Manufacturer			
		TF Tank Farm			
		UC Ultimate Consignee			
		WF Tank Farm Owner			
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).	**C**	**ID**	**1/2**
		1 Dun and Bradstreet (Credit Reporting) (DUNS)			
		20 Standard Point Location Code (SPLC)			
		22 Council of Petroleum Accounting Societies code (COPAS).			
		9 DUNS with 4-character suffix			
		91 Assigned by Seller or Seller's Agent			
		92 Assigned by Buyer or Buyer's Agent			
N104	**67**	**Identification Code** Code identifying a party.	**C**	**AN**	**2/17**

Segment: **REF** Reference Numbers
Level: Detail
Loop: RCD/N1
Usage: Optional
Max Use: 100
Purpose: To specify identifying numbers.
Syntax: **1 R0203**
At least one of REF02 or REF03 is required.
Notes: **PIPENET requires that the Meter Ticket Number be sent in the REF segment of the N1 loop sending Point of Origin (N101 = "SF") or Point of Delivery (N101 = "ST"). PIPENET allows the Lease Number in the N1 loop sending the Lease Name.**

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
REF01	**128**	**Reference Number Qualifier** Code qualifying the Reference Number. **LC Lease Number** **MT Meter Ticket 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.	**C AN 1/30**
REF03	**352**	**Description** A free-form description to clarify the related data elements and their content. **Not used for Ticket Number** **If the Lease can be described by a numeric value then send this number in REF02. Otherwise, send the Lease Information as alpha-numeric text in REF03.**	**C AN 1/80**

Segment: **PER** Administrative Communications Contact
Level: Detail
Loop: RCD/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.
Notes: **PIPENET allows that the Information Contact in the PER segment of the N1 loop sending the Point of Origin (N101 = "SF") or Point of Delivery (N101 = "ST").**

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. **IC Information Contact**	**M ID 2/2**
PER02	**93**	**Name** Free-form name. **For PIPENET the name or initials of the field employee responsible for the creation of the ticket.**	**O AN 1/35**
PER03	**365**	**Communication Number Qualifier** Code identifying the type of communication number. **Not Used by PIPENET**	**C ID 2/2**
PER04	**364**	**Communication Number** Complete communications number including country or area code when applicable. **Not Used by PIPENET**	**C AN 7/25**

Segment: **CTT** Transaction Totals
Level: Summary
Loop: ____
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
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.
Notes: **Required by PIPENET**

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 RCD segments.**	**M N0 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. **Not Used by PIPENET**	**C ID 2/2**

CTT07	**352**	**Description** A free-form description to clarify the related data elements and their content. **Not Used by PIPENET**	**O AN 1/80**

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		
		Total number of segments included in a transaction set including ST and SE			
SE01	**96**	**Number of Included Segments** segments.	**M**	**N0**	**1/6**
SE02	**329**	**Transaction Set Control Number** Identifying control number assigned by the originator for a transaction set. **SE02 must be the same as ST02.**	**M**	**AN**	**4/9**

Acrobat™ Tips

Page Turning


Displays the first page.


Displays the previous page.


Displays the last page.


Displays the next page.


Sets the page view to 100%.

Page Size Setting


Displays the entire page within the window.

Stored Views


Displays the previous page viewed.


Returns from previous pages.

Displays the full width of the page within the window.

Click this button for page 1 Page 2 of 5 Click this button for page 3

Acrobat™ Tips™

Table of contents

ACCESSRAMP bookmarks work like a table

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 Page 5 of 5