

# New York Implementation Standard

For

# Standard Electronic Transactions

TRANSACTION SET

# 503

**Pricing History  
Request & Response**

Ver/Rel 004010

	<b>Summary of Changes</b>
<b>July 24, 2015</b>	<b>Version 1.0</b>
	Initial Release
<b>June 30, 2016</b>	<b>Version 1.1</b>
	<ul style="list-style-type: none"> <li>• Updated Examples</li> <li>• Revised note in REF~45 gray box to align with 814E gray box note</li> <li>• Added new REF~1P Segment (Response Information or Warning)</li> <li>• Changed conditionality for AMT~T3 and AMT~TR segments                             <ul style="list-style-type: none"> <li>○ Added gray box notes to clarify usage of AMT~CX segment</li> </ul> </li> <li>• Added ESP code to REF~BLT segment</li> </ul>

	<p><b>Notes pertaining to the use of this document</b></p>
<p>Purpose</p>	<ul style="list-style-type: none"> <li>This 503 Pricing History Transaction Set is used to request bill amounts for what the utility would have charged the Customer if it had been the supplier during historic periods for which the requesting ESCO provided supply service to the Customer.</li> </ul>
<p>One account per 503</p>	<ul style="list-style-type: none"> <li>Each transaction may contain only one account for one commodity (i.e. electric or gas). ESCO's who want to receive a customer's pricing history for both electric and gas service must transmit two 503 pricing history requests – one for the electric pricing history and another for the gas pricing history.</li> </ul>
<p>All meters per account</p>	<ul style="list-style-type: none"> <li>Except for requests sent to a utility that supports separate enrollment of the un-metered electric service for accounts, an EDI request for pricing history is a request for history data for all service delivery points (metered and/or un-metered) for the account requested for the commodity indicated.</li> <li>In a service territory where the utility supports separate enrollment of the un-metered electric service for accounts, when both metered and un-metered electric service is present on an account, an ESCO may separately request pricing history for the electric un-metered service on an account when both metered and un-metered service are present on the same account. To request pricing history only for the un-metered service on the account the REF03 element in the REF*12 (Utility Account Number) segment should be transmitted.</li> </ul>
<p>Validation Fields</p>	<ul style="list-style-type: none"> <li>Transactions will be validated based on the customer's utility account number (with check digit, if included).</li> </ul>
<p>503 Response is Required</p>	<ul style="list-style-type: none"> <li>The Utility must return an 503 response, either positive or negative, for each history request received.</li> </ul>
<p>Cross referencing Request and Response transactions</p>	<ul style="list-style-type: none"> <li>The BGN02 element in the BGN segment received on a Request transaction must be returned in the BGN06 element of the BGN segment sent in the Response transaction. There must be one Response LIN for each Request LIN sent. The response to LIN loop on the Request must be uniquely identified in the LIN loop on the Response with the same identification sent in the request LIN01.</li> </ul>

## Implementation Guideline Field Descriptions

**Segment:** **REF** Reference Identification (Utility Customer Account Number)  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**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:**  
**Notes:** Required

This section shows the X12 Rules for this segment but the Usage and Max Use fields will also reflect NY rules. For Usage, “Optional (Must Use)” means that this segment is Optional for X12, but is required in NY. “Optional (Dependent)” means Optional for X12, but use is conditional in NY. The gray boxes below should also be reviewed for additional NY Rules.

The Utility account number assigned to the customer is used for validation and must be present on all transactions.

This section displays the NY Rules for implementation of this segment.

REF~12~011231287654398

One or more examples.

### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account REF02 contains the Utility-assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Utility assigned customer account number The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	X AN 1/30

This column documents differences between X12 and NY use for each data element:

Mand. (Mandatory) – Required by X12  
 Must Use – Required by NY  
 Cond. (Conditional)  
 Optional

These columns show the X12 attributes for each data element:

M = Mandatory  
 O = Optional  
 X = Conditional

AN = Alphanumeric  
 N# = Implied Decimal  
 ID = Identification  
 R = Real  
 DT = Date (CCYYMMDD)

1/30 = Minimum 1, Maximum 30

# 503 Pricing History

Functional Group ID=**PH**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Pricing History Transaction Set (503) for use within the context of an Electronic Data Interchange (EDI) environment. This bi-directional transaction set can be used by a purchasing party or vendor to request pricing history information for an item. The transaction set can also be used to respond to a request for pricing history information.

## Heading:

<u>Page No.</u>	<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>
3	010	ST	Transaction Set Header	M	1		
4	020	BGN	Beginning Segment	M	1		
						LOOP ID - N1	>1
5	030	N1	Name (ESCO)	O	1		
						LOOP ID - N1	>1
6	030	N1	Name (Utility)	O	1		
						LOOP ID - N1	>1
7	030	N1	Name (Customer)	O	1		

## Detail:

<u>Page No.</u>	<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 - LIN	>1
8	010	LIN	Item Identification	O	1		
9	060	REF	Reference Identification (Reject Response Reasons)	O	>1		
10	060	REF	Reference Identification (Response Information or Warning)	O	>1		
11	060	REF	Reference Identification (ESCO Customer Account Number)	O	>1		
12	060	REF	Reference Identification (Utility Account Number)	O	>1		
13	060	REF	Reference Identification (Utility Account Number for ESCO)	O	>1		
14	060	REF	Reference Identification (Previous Utility Account Number)	O	>1		
15	090	LS	Loop Header	O	1		
						LOOP ID - QTY	>1
16	100	QTY	Quantity	O	1		n1
17	110	AMT	Monetary Amount (Utility Comparison Amount)	O	>1		
18	110	AMT	Monetary Amount (Actual Total)	O	>1		
19	110	AMT	Monetary Amount (ESCO Supply Charges)	O	>1		
20	110	AMT	Monetary Amount (Utility Supply Comparison Charges)	O	>1		

21	120	REF	Reference Identification (Bill Option)	O	>1
22	130	DTM	Date/Time Reference (Service Period Start Date)	O	>1
23	130	DTM	Date/Time Reference (Service Period End Date)	O	>1
24	280	LE	Loop Trailer	O	1
25	290	SE	Transaction Set Trailer	M	1
E-1			Examples		

## Transaction Set Notes

1. The QTY loop can be used to convey pricing information when multiple quantities of the cited item were purchased.

**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:**  
**Notes:** Required  
 ST~503~0001

**Data Element Summary**

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

**Segment:** **BGN** Beginning Segment  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a transaction set  
**Syntax Notes:** 1 If BGN05 is present, then BGN04 is required.  
**Semantic Notes:** 1 BGN02 is the transaction set reference number.  
 2 BGN03 is the transaction set date.  
 3 BGN04 is the transaction set time.  
 4 BGN05 is the transaction set time qualifier.  
 5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.

**Comments:**

**Notes:**

Required  
 BGN\*13\*20150719000001\*20150719 (Request)  
 BGN\*44\*20150719000001\*20150719\*\*\*E1234520150718 (Reject Response)  
 BGN\*52\*20150719000001\*20150719\*\*\*E1234520150718 (Accept Response)

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BGN01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 13 Request 44 Rejection 52 Response to Historical Inquiry	M ID 2/2
Must Use	BGN02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A unique transaction identifier number assigned by the originator of this transaction.	M AN 1/30
Must Use	BGN03	373	<b>Date</b> Date expressed as CCYYMMDD The date the transaction was created by the sender's application system in the form CCYYMMDD.	M DT 8/8
	BGN06	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier This element is not used on a request transaction but is required in a response transaction. The BGN06 element in a Response transaction must contain the transaction id in the BGN02 element in the corresponding Request transaction.	O AN 1/30

**Segment:** **N1** Name (ESCO)  
**Position:** 030  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**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.  
**Notes:** Required  
 N1~SJ~ESP COMPANY~9~123456789NY00

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual SJ Service Provider Identifies the ESCO participating in this transaction.	<b>M ID 2/3</b>
	N102	93	<b>Name</b> Free-form name Free Form ESCO Company Name Supplemental text information supplied, if desired, to provide "eyeball" identification of the ESCO. It is not necessary for successful completion of the transaction but may be provided by mutual agreement between trading partners.	<b>X AN 1/60</b>
Must Use	N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	<b>X ID 1/2</b>
Must Use	N104	67	<b>Identification Code</b> Code identifying a party or other code The D-U-N-S number or the Federal Tax ID	<b>X AN 2/80</b>

**Segment:** **N1** Name (Utility)  
**Position:** 030  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**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.  
**Notes:** Required  
 N1~8S~UTILITY COMPANY~1~123456789

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>Must Use</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual 8S Consumer Service Provider (CSP) Identifies the Utility participating in this transaction.	<b>M ID 2/3</b>
<b>Must Use</b>	<b>N102</b>	<b>93</b>	<b>Name</b> Free-form name Free Form Utility Company Name	<b>X AN 1/60</b>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 24 Employer's Identification Number Federal Tax ID	<b>X ID 1/2</b>
<b>Must Use</b>	<b>N104</b>	<b>67</b>	<b>Identification Code</b> Code identifying a party or other code The D-U-N-S number or the Federal Tax ID	<b>X AN 2/80</b>

**Segment:** **N1** Name (Customer)  
**Position:** 030  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**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.  
**Notes:** Request: Required  
 Accept Response: Required  
 Reject Response: Optional  
 N1~8R~CUSTOMER NAME

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual 8R Consumer Service Provider (CSP) Customer Identifies the end use customer targeted by this transaction.	M ID 2/3
Must Use	N102	93	Name Free-form name Customer Name	X AN 1/60

Segment: **LIN** Item Identification

**Position:** 010  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify basic item identification data  
**Syntax Notes:** 1 If either LIN04 or LIN05 is present, then the other is required.  
 2 If either LIN06 or LIN07 is present, then the other is required.  
 3 If either LIN08 or LIN09 is present, then the other is required.  
 4 If either LIN10 or LIN11 is present, then the other is required.  
 5 If either LIN12 or LIN13 is present, then the other is required.  
 6 If either LIN14 or LIN15 is present, then the other is required.  
 7 If either LIN16 or LIN17 is present, then the other is required.  
 8 If either LIN18 or LIN19 is present, then the other is required.  
 9 If either LIN20 or LIN21 is present, then the other is required.  
 10 If either LIN22 or LIN23 is present, then the other is required.  
 11 If either LIN24 or LIN25 is present, then the other is required.  
 12 If either LIN26 or LIN27 is present, then the other is required.  
 13 If either LIN28 or LIN29 is present, then the other is required.  
 14 If either LIN30 or LIN31 is present, then the other is required.  
**Semantic Notes:** 1 LIN01 is the line item identification  
**Comments:** 1 See the Data Dictionary for a complete list of IDs.  
 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item.  
 For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.  
**Notes:** Required  
 LIN~1~SH~EL~SH~PH

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	LIN01	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set	O AN 1/20
Must Use	LIN02	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested	M ID 2/2
Must Use	LIN03	234	<b>Product/Service ID</b> Identifying number for a product or service Only one commodity (Electric or Gas) may be indicated for each 503 transaction. EL Electric GAS Gas Service	M AN 1/48
Must Use	LIN04	235	<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) SH Service Requested	X ID 2/2
Must Use	LIN05	234	<b>Product/Service ID</b> Identifying number for a product or service PH Pricing History	X AN 1/48

**Segment:** **REF** Reference Identification (Reject Response Reasons)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**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:**  
**Notes:**

Request: Not Used  
 Accept Response: Not Used  
 Reject Response: Required  
 REF~7G~A76  
  
 To send additional system message in an 503 ACCEPT response, please refer to the REF~1P segment.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 7G Data Quality Reject Reason REF02 contains a reject reason code.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A13 Other See REF03 A76 Account # not valid A80 Service requested is not available A91 Account does not have service requested Requested commodity does not exist on account.	X AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content Additional text information may be sent in REF03 to aid in resolving a rejected transaction. REF03 must be sent if REF02 contains A13.	X AN 1/80

**Segment:** **REF** **Reference Identification (Response Information or Warning)**  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**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:**  
**Notes:** Request: Not Used  
Accept Response: Optional  
  
Segment may be used to convey any message relevant to the status of the account including whether the utility has an active billing relationship with the Customer.  
REF~1P~MOV

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 1P Accessorial Status Code Warnings or information associated with an accepted status notification.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier A13 Other See REF03 ECB EPA Credit cannot be included on customer bill due to the current ESCO's billing model selection for this Customer. MOV Customer moved outside service territory	X AN 1/30
Cond.	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content Additional text information may be sent in REF03 to aid in resolving a rejected transaction. REF03 must be sent if REF02 contains A13.	X AN 1/80

**Segment:** **REF** Reference Identification (ESCO Customer Account Number)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**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:**  
**Notes:** Request: Optional  
Accept Response: Required if provided on the request  
Reject Response: Optional

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 11 Account Number REF02 is the ESCO Assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ESCO's assigned account number for the customer.	X AN 1/30

**Segment:** **REF** Reference Identification (Utility Account Number)  
**Position:** 060  
**Loop:** LIN Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**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:**  
**Notes:**

Request: Required  
 Accept Response: Required  
 Reject Response: Required if provided on the request  
 REF~12~011231287654398  
 REF~12~011231287654398~U

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification 12 Billing Account REF02 contains the Utility-assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Utility assigned customer account number The utility account number must be supplied without intervening spaces or non-alphanumeric characters. (Characters added to aid in visible presentation on a bill, for example, should be removed)	X AN 1/30
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content The REF03 element in the REF*12 segment should only be sent to, or received by, a utility that designated such in its Utility Maintained EDI Guide when the commodity indicated in the LIN segment is Electric but the request pertains only to the un-metered portion of the electric service on the account. This element should not be sent when the LIN request pertains to all electric service on the account.	X AN 1/80
			U Un-Metered Service	

**Segment:** **REF** Reference Identification (Utility Account Number for ESCO)

**Position:** 060

**Loop:** LIN Optional (Must Use)

**Level:** Detail

**Usage:** Optional

**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:**

**Notes:**

Request: Conditional  
Response: Conditional

This segment is used to communicate an account number assigned by the Utility to the ESCO and may be sent with the mutual agreement of the parties.

REF~AJ~3134597

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification AJ Accounts Receivable Customer Account REF02 contains the Utility assigned account number for the ESCO	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Utility account number for the ESCO	X AN 1/30

**Segment:** **REF** Reference Identification (Previous Utility Account Number)

**Position:** 060

**Loop:** LIN Optional (Must Use)

**Level:** Detail

**Usage:** Optional

**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:**

**Notes:** Conditional

Where a utility changes an existing customer's account number as a business process (and as noted in its Utility Maintained EDI Guide), this segment is required when the utility assigned account number for the customer has changed in the last 90 days.

REF~45~9194132485705971

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			45 Old Account Number	
			REF02 is the Utility's previous account number for the customer.	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			Previous Utility Account Number for the Customer.	
			This segment would be sent, for example, when a change in meter reading routes results in a change in the account number assigned to the customer.	

**Segment:** **LS** Loop Header

**Position:** 090

**Loop:** LIN Optional (Must Use)

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To indicate that the next segment begins a loop

**Syntax Notes:**

**Semantic Notes:** 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

**Comments:** 1 See Figures Appendix for an explanation of the use of the LS and LE segments.

**Notes:** Request: Not Used  
 Accept Response: Required  
 Reject Response: Not Used  
 LS\*QTY

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
Must Use	447 Loop Identifier Code	M AN 1/6
	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
	QTY Start of QTY Looping	

**Segment:** QTY Quantity  
**Position:** 100  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:** 1 At least one of QTY02 or QTY04 is required.  
 2 Only one of QTY02 or QTY04 may be present.  
**Semantic Notes:** 1 QTY04 is used when the quantity is non-numeric.  
**Comments:**  
**Notes:**

Request: Not Used  
 Accept Response: Required  
 Reject Response: Not Used  
 QTY\*2M\*\*\*NV

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	QTY01	673	Quantity Qualifier Code specifying the type of quantity 2M Comparison Period	M ID 2/2
Must Use	QTY04	61	Free-Form Message Free-form information NV No Value	X AN 1/30

**Segment:** **AMT** Monetary Amount (Utility Comparison Amount)  
**Position:** 110  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Request: Not Used  
 Accept Response: Required  
 Reject Response: Not Used  
 AMT\*AD\*102.15

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount AD Adjusted Total Utility Total Charges for Comparison (Utility Supply, Utility Delivery - Includes distribution, generation, taxes, etc.)	M ID 1/3
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/18

**Segment:** **AMT** Monetary Amount (Actual Total)  
**Position:** 110  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Request: Not Used  
Accept Response: Required  
Reject Response: Not Used

When a utility issues a consolidated bill this segment is used to send the Actual Total Charges (ESCO Supply, Utility Delivery - Includes distribution, generation, taxes, etc.) If the customer is being billed under the Dual Bill model, Actual Total Charges would not include ESCO Supply so the segment would be used to provide Utility Delivery charges (and associated taxes) only. If the customer is being billed under the ESCO consolidated bill model, Actual Total Charges would be set to zero because the utility did not issue a bill.

AMT\*CX\*98.1

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount CX Actual	M ID 1/3
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/18

**Segment:** **AMT** Monetary Amount (ESCO Supply Charges)  
**Position:** 110  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Request: Not Used  
 Accept Response: Conditional  
 Reject Response: Not Used

The segment is required when a utility consolidated bill was issued. Under Dual or ESCO consolidated billing, the ESCO has billed its supply charges to the customer and they are not available in the utility's system.

AMT\*T3\*52

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount T3	M ID 1/3
			Total Submitted Charges	
			ESCO Supply Charges (Includes generation, taxes).	
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/18

**Segment:** **AMT** Monetary Amount (Utility Supply Comparison Charges)  
**Position:** 110  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

Request: Not Used  
 Accept Response: Conditional  
 Reject Response: Not Used  
  
 Provided if supported by the utility as detailed in the Utility Maintained EDI Guide.  
  
 AMT\*TR\*56.05

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	AMT01	522	Amount Qualifier Code Code to qualify amount TR Target Cost	M ID 1/3
Must Use	AMT02	782	Monetary Amount Monetary amount	M R 1/18

**Segment:** **REF** Reference Identification (Bill Option)  
**Position:** 120  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**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:**  
**Notes:**

Request: Not Used  
 Accept Response: Required  
 Reject Response: Not Used  
 REF\*BLT\*LDC  
 REF\*BLT\*DUAL

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BLT Billing Type	
			Bill Presenter	
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			DUAL Each Party Presents a Separate Bill	
			LDC The Utility is the Consolidated Bill Presenter	
			ESP The ESCO is the Consolidated Bill Presenter	

**Segment:** **DTM** Date/Time Reference (Service Period Start Date)

**Position:** 130

**Loop:** QTY Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** >1

**Purpose:** To specify pertinent dates and times

- Syntax Notes:**
- 1 At least one of DTM02 DTM03 or DTM05 is required.
  - 2 If DTM04 is present, then DTM03 is required.
  - 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Request: Not Used  
Accept Response: Required  
Reject Response: Not Used  
DTM\*150\*20150215

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		150 Service Period Start	
Must Use	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	

**Segment:** **DTM** Date/Time Reference (Service Period End Date)  
**Position:** 130  
**Loop:** QTY Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:**

Request: Not Used  
 Accept Response: Required  
 Reject Response: Not Used  
 DTM\*151\*20150313

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
Must Use	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		151 Service Period End	
Must Use	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	

**Segment:** **LE** Loop Trailer

**Position:** 280

**Loop:** LIN Optional (Must Use)

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To indicate that the loop immediately preceding this segment is complete

**Syntax Notes:**

**Semantic Notes:** 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

**Comments:** 1 See Figures Appendix for an explanation of the use of the LE and LS segments.

**Notes:** Request: Not Used  
 Accept Response: Required  
 Reject Response: Not Used  
 LE\*QTY

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
Must Use	447 Loop Identifier Code	M AN 1/6
	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
	QTY End of QTY Looping	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 290  
**Loop:**  
**Level:** Detail  
**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.

**Notes:** Required

SE\*40\*0001

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
Must Use	SE01	96 <b>Number of Included Segments</b>	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329 <b>Transaction Set Control Number</b>	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

**Scenario 1A: ESCO Request**

ST*503*0001	Transaction Set header; transaction defined is an 503; control number assigned by originator
BGN*13*2015050800001*20150508	13 = Request
N1*8S*UTILITY NAME*1*007909111	Utility Name & DUNS number
N1*SJ*ESCO NAME*9*123456798ABCD	ESCO Name and DUNS number
N1*8R*CUSTOMER NAME	Customer Name
LIN*PH2015050800001*SH*EL*SH*PH	
REF*12*9437619003	Utility Account Number
SE*8*0001	Transaction Set trailer; segment count; control number

**Scenario 1A a.: Sample Reject Response**

ST*503*0001	Transaction Set header; transaction defined is an 503; control number assigned by originator
BGN*44*PHR20150509-009879*20150509***2015050800001	44 = Reject
N1*8S*UTILITY NAME*1*007909111	Utility Name & DUNS number
N1*SJ*ESCO NAME*9*123456798ABCD	ESCO Name and DUNS number
N1*8R*CUSTOMER NAME	Customer Name
LIN*PH2015050800001*SH*EL*SH*PH	
REF*12*9437619003	Utility Account Number
REF*7G*A76*ACCOUNT NOT FOUND	Rejection Reason Code and Text
SE*9*0001	Transaction Set trailer; segment count; control number

**Scenario 1A b.: Sample Accept Response for 3 Months**

ST*503*0001	Transaction Set header; transaction defined is an 503; control number assigned by originator
BGN*52*PHR20150509-009879*20150509***2015050800001	
N1*8S*UTILITY NAME*1*007909111**41	Utility Name & DUNS number
N1*SJ*ESCO NAME*9*123456798ABCD**40	ESCO Name and DUNS number
N1*8R*CUSTOMER NAME	Customer Name
LIN*PH2015050800001*SH*EL*SH*PH	
REF*12*9437619003	
LS*QTY	
QTY*2M***NV	<b>First Month</b>
AMT*AD*102.15	Utility Comparison Amount
AMT*CX*98.1	Actual Total
AMT*T3*52	ESCO Charges
AMT*TR*56.05	Utility Supply Comparison Charges (Optional)
REF*BLT*LDC	Utility Consolidated Billing
DTM*150*20150103	Service Period Start Date
DTM*151*20150203	Service Period End Date
QTY*2M***NV	<b>Second Month</b>

AMT*AD*75	Utility Comparison Amount
AMT*CX*0	Actual Total
AMT*T3*0	ESCO Charges (Example ESCO Missed the Bill Window)
AMT*TR*40.19	Utility Supply Comparison Charges (Optional)
REF*BLT*LDC	Utility Consolidated Billing
DTM*150*20150303	Service Period Start Date
DTM*151*20150403	Service Period End Date
QTY*2M***NV	<b>Third Month</b>
AMT*AD*110.99	Utility Comparison Amount
AMT*TR*59.05	Utility Supply Comparison Charges (Optional)
REF*BLT*DUAL	Dual Billing
DTM*150*20150403	Service Period Start Date
DTM*151*20150503	Service Period End Date
LE*QTY	
SE*32*0001	Transaction Set trailer; segment count; control number