

# New York Implementation Standard

For  
**Sandard Electronic  
Transactions**

TRANSACTION SET

# 824

**Positive Notification**

**Ver/Rel 004010**

	<b>Summary of Changes</b>
<b>October 25, 2002</b>	<b>Initial Release</b>
<b>July 24, 2015</b>	<b>Version 1.1</b>
	<ul style="list-style-type: none"> <li>Replaced references to Marketer and E/M with ESCO.</li> </ul>
<b>June 30, 2016</b>	<b>Version 1.2</b>
	<ul style="list-style-type: none"> <li>Update to conditionality of REF Reference Identification (Previous Utility Customer Account Number) segment.</li> </ul>

	<b>Notes pertaining to the use of this document</b>
Purpose	<ul style="list-style-type: none"> <li>• In New York, an 824 Positive Notification transaction is used by the billing party to notify the non-billing party of billing information presented in the customer’s consolidated bill. The use of this transaction is limited to scenarios in which a consolidated bill is rendered using the Bill Ready model. In that model, an 824 Positive Notification transaction is sent by the billing party following receipt, processing and acceptance of an 810 Invoice from the non-billing party and presentation of the customer’s consolidated bill.</li> <li>• When an 810 Invoice sent by the non-billing party is rejected, the billing party will send an 824 Application Advice to notify the non-billing party. Please refer to <i>the Implementation Guide for the 824 Application Advice</i> and the <i>Notification Advice for Consolidated Billing Business Processes – Bill Ready Models</i> for more detailed information regarding processes associated with rejection of an 810 Invoice in the Bill Ready model.</li> </ul>
Timeliness	<ul style="list-style-type: none"> <li>• The 824 Positive Notification will be issued on the same date that the consolidated bill is created.</li> </ul>
Validation	<ul style="list-style-type: none"> <li>• The Utility assigned account number for the customer is used for validation and must be present in all transactions.</li> </ul>
Cross referencing transactions	<ul style="list-style-type: none"> <li>• The reference number from the 810 Invoice transaction(s) must be provided in the OTI03 element in the OTI segment of this transaction.</li> </ul>
OTI Loop	<ul style="list-style-type: none"> <li>• One OTI Loop must be sent for each accepted 810 Invoice.</li> <li>• Each OTI Loop will contain a Cross Reference Number for the accepted 810 Invoice and segments for transmitting the following bill information from the consolidated bill presented to the customer: Total Payments Applied (AMT), Payment Applied Through Date (DTM), Total Amount Due (AMT), and Payment Due Date (DTM).</li> <li>• All bill information provided pertains to information presented in the non-billing party’s detail section of the consolidated bill.</li> </ul>

<p>Response to Multiple 810 Invoices Received During a Bill Window</p>	<ul style="list-style-type: none"> <li>• When an 810 Invoice previously sent was rejected and bill information must be resent during a subsequent bill window, the non-billing party may send a <i>single</i> 810 Invoice that contains charges for the prior period and the current period or two 810 Invoices – one for the prior period and one for the current period.</li> <li>• When a billing party receives more than one 810 Invoice for a customer during a bill window and each invoice is for a different bill period, the billing party may either present amounts from <u>each</u> invoice in separate bills or present all amounts in a single bill.</li> <li>• When the billing party has accepted multiple 810 Invoices for the same account and service during a bill window, the billing party may respond by sending either a single 824 Positive Notification that references all accepted 810 Invoices or a separate 824 Positive Notification transaction for each Invoice.</li> <li>• When multiple 810 Invoices are received and accepted for the same account during a bill window and the billing party will present amounts from each 810 Invoice in separate bills, a separate Positive Notification transaction must be sent for each 810 Invoice.</li> <li>• When a <u>single</u> consolidated bill contains bill information from multiple 810 Invoices and the billing party will send separate 824 Positive Notification transactions for each 810 Invoice, the bill information in each Notification transaction (i.e. total payments applied, applied through date, payment due date and total amount due) will be the same.</li> </ul>
<p>One account</p>	<ul style="list-style-type: none"> <li>• Each transaction may reference only one customer account.</li> </ul>

<p>Total Amount Due (AMT*BD)</p>	<ul style="list-style-type: none"> <li>• The AMT*BD segment will contain the sum of the customer's outstanding balance (which may be zero) plus the current period's charges/credits as presented by the billing party in the non-billing party's detail section of the customer's consolidated bill.</li> <li>• The amount that is sent in this segment may NOT represent the total outstanding balance for a customer.</li> <li>• For customers on consolidated billing that are billed on a budget plan for the non-billing party's charges, the Total Amount Due will include the current periods budget amount(s) sent in the 810 Invoice that were coded as "Charge" items plus any other outstanding charges that were presented on the non-billing party's detail section of the customer's consolidated bill. Budget plan amounts sent in the 810 Invoice for bill presentation purposes should not be included in the 'Total Amount Due' segment.</li> </ul>
<p>Definitions</p>	<ul style="list-style-type: none"> <li>• The term Utility or LDC (Local Distribution Company) is used in this document to refer to the local gas or electric distribution company, i.e. the entity providing regulated bundled commodity service. The term ESCO is used in this document to refer to either electric suppliers or gas marketers. The principal parties involved in this Transaction Set 824 implementation guide are:             <ul style="list-style-type: none"> <li>• The end-use customer (Code 8R)</li> <li>• The Utility (LDC) (Code 8S)</li> <li>• The Supplier (ESCO) (Code SJ).</li> </ul> </li> </ul>
<p>Companion Documents</p>	<ul style="list-style-type: none"> <li>• All of the applicable business rules for New York are not necessarily documented in this implementation guide. Accordingly, the following documents should be reviewed where further clarification is needed:             <ul style="list-style-type: none"> <li>➤ <i>Notification Advice Billing Business Processes- Bill Ready Models</i></li> <li>➤ <i>Consolidated Billing Business Processes - Utility Bill Ready</i></li> <li>➤ <i>TS824 Application Advice Implementation Guide.</i></li> </ul> </li> <li>• Further information regarding the processing of EDI transactions may be found in the <i>Technical Operating Profile for Electronic Data Interchange in New York and its various supplements.</i></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:**

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 grayboxes below should also be reviewed for additional NY Rules.

**Notes:** Required

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

number assigned to the customer is used for  
 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>
Mand.	REF01	128	Reference Identification Qualifier 12 Billing Account REF02 contains the Utility the customer.
Must Use	REF02	127	Reference Identification Utility assigned customer account number The utility account number must be supplied with non-alphanumeric characters. (Characters added on a bill, for example, should be removed)

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

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

# 824 Positive Notification

Functional Group ID=**AG**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Application Advice Transaction Set (824) for use within the context of an Electronic Data Interchange (EDI) environment.

## Notes:

This Implementation Guide documents the content and format for the TS824 Positive Notification. In New York, use of the 824 Positive Notification transaction is limited to scenarios in which a consolidated bill is rendered (by either a Utility or an ESCO) using the Bill Ready model. For that model, the billing party will use the Positive Notification to notify the non-billing party when bill information sent in an 810 Invoice is accepted and has been presented in the consolidated bill issued to the customer. This transaction is sent following billing party receipt of an 810 Invoice from the non-billing party, the processing of that transaction and the rendering of the customer's bill.

## 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		
8	070	REF	Reference Identification (ESCO Customer Account Number)	O	1		
9	070	REF	Reference Identification (Utility Account Number)	O	1		
10	070	REF	Reference Identification (Previous Utility Account Number)	O	1		
11	070	REF	Reference Identification (Utility Account Number for the ESCO)	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 - OTI			>1	
12	010	OTI	Original Transaction Identification	M	1		n1
14	020	REF	Reference Identification (Cross Reference Number)	O	1		
15	030	DTM	Date/Time Reference (Payments Applied Through Date)	O	1		
16	030	DTM	Date/Time Reference (Payment Due Date)	O	1		
17	050	AMT	Monetary Amount (Total Payments Applied)	O	1		
18	050	AMT	Monetary Amount (Total Amount Due)	O	1		
19	090	SE	Transaction Set Trailer	M	1		
E - 1			Examples				

**Transaction Set Notes**

1. The OTI loop is intended to provide a unique identification of the transaction set that is the subject of this application acknowledgment.
2. The DTM segment allows for the provision of date, time, or date and time information required to uniquely identify the original transaction set.
3. The AMT segment should be utilized if monetary amount information is important to the unique identification of the original transaction set.



**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~824~000000001

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	ST01	143	Transaction Set Identifier Code 824 Application Advice	M ID 3/3
Mand.	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number assigned by the originator of a transaction set. This identifier must be unique for each transaction set within a functional group.	

**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~11~200211031353001~20021103~~~~CF

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	BGN01	353	Transaction Set Purpose Code 11 Response	M ID 2/2
Mand.	BGN02	127	Reference Identification A unique transaction identification number assigned by the originator of this transaction. This number should be unique over time.	M AN 1/30
Mand.	BGN03	373	Date The transaction creation date. This is the date that the data was processed by the sender's application system. This date is synonymous with the date of bill preparation.	M DT 8/8
Must Use	BGN08	306	Action Code CF Confirm Indicates that the amounts provided in the 810 Invoice identified in OTI03 were presented on the customer's bill.	O ID 1/2

**Segment:** **N1** Name (ESCO)  
**Position:** 030  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**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~ESCONAME~1~123456789

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> SJ Service Provider Identifies the ESCO participating in this transaction.	<b>M ID 2/3</b>
<b>Optional</b>	<b>N102</b>	<b>93</b>	<b>Name</b> 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>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> 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> 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 (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**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~UTILITYNAME~1~006994735

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> 8S Consumer Service Provider (CSP) Identifies the Utility participating in this transaction.	<b>M ID 2/3</b>
<b>Optional</b>	<b>N102</b>	<b>93</b>	<b>Name</b> Free Form Utility Company Name Supplemental text information that may be supplied to provide "eyeball" identification of the Utility. 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>
<b>Must Use</b>	<b>N103</b>	<b>66</b>	<b>Identification Code Qualifier</b> 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> 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 (Must Use)  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**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

When an N1 Loop is sent, an N1 segment is required. The N1 (Customer) loop contains a REF segment for transmitting the Utility account number assigned to the customer. The account number is used for validation and must be present in all transactions.

N1~8R~MARY SMITH  
 N1~8R~NAME

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>Mand.</b>	<b>N101</b>	<b>98</b>	<b>Entity Identifier Code</b> 8R	<b>M ID 2/3</b> Consumer Service Provider (CSP) Customer Identifies the end use customer targeted by this transaction.
<b>Must Use</b>	<b>N102</b>	<b>93</b>	<b>Name</b>	<b>X AN 1/60</b> Customer name or the literal "NAME" A customer's name may be provided, by mutual agreement of the trading partners, to provide "eyeball" identification of the customer involved in the transaction.

**Segment:** **REF** Reference Identification (ESCO Customer Account Number)  
**Position:** 070  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**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:** Optional  
 REF~11~A12345009Z

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 11 Account Number REF02 is the ESCO assigned account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification ESCO's assigned account number for the customer.	X AN 1/30

**Segment:** **REF** Reference Identification (Utility Account Number)  
**Position:** 070  
**Loop:** N1 Optional (Must Use)  
**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

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

REF~12~011231287654398

**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	M ID 2/3
			REF02 is the Utility-assigned account number for the customer	
Must Use	REF02	127	Reference Identification Utility assigned customer account number	X AN 1/30
			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)	

**Segment:** **REF** Reference Identification (Previous Utility Account Number)  
**Position:** 070  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**Usage:** Optional (Dependent)  
**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 must be sent on Utility initiated transactions when the utility account number for the customer has changed in the last 90 days.

REF~45~011231287655403

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 45 Old Account Number REF02 contains the utility's previous account number for the customer.	M ID 2/3
Must Use	REF02	127	Reference Identification Previous utility account number Numbers 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



**Segment:** **REF** Reference Identification (Utility Account Number for the ESCO)  
**Position:** 070  
**Loop:** N1 Optional (Must Use)  
**Level:** Heading  
**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:**

Optional

An account number assigned to the ESCO by the Utility.

REF~AJ~394584752

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier AJ	M ID 2/3 Accounts Receivable Customer Account
				REF02 contains the Utility Account number for the ESCO
Must Use	REF02	127	Reference Identification	X AN 1/30
				This is the Utility assigned account number for the ESCO.

**Segment:** **OTI** **Original Transaction Identification**

**Position:** 010

**Loop:** OTI Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result

**Syntax Notes:** 1 If OTI09 is present, then OTI08 is required.

**Semantic Notes:** 1 OTI03 is the primary reference identification or number used to uniquely identify the original transaction set.  
 2 OTI06 is the group date.  
 3 OTI07 is the group time.  
 4 If OTI11 is present, it will contain the version/release under which the original electronic transaction was translated by the receiver.  
 5 OTI12 is the purpose of the original transaction set, and is used to assist in its unique identification.  
 6 OTI13 is the type of the original transaction set, and is used to assist in its unique identification.  
 7 OTI14 is the application type of the original transaction set, and is used to assist in its unique identification.  
 8 OTI15 is the type of action indicated or requested by the original transaction set, and is used to assist in its unique identification.  
 9 OTI16 is the action requested by the original transaction set, and is used to assist in its unique identification.  
 10 OTI17 is the status reason of the original transaction set, and is used to assist in its unique identification.

**Comments:** 1 OTI02 contains the qualifier identifying the business transaction from the original business application, and OTI03 will contain the original business application identification.  
 2 If used, OTI04 through OTI08 will contain values from the original electronic functional group generated by the sender.  
 3 If used, OTI09 through OTI10 will contain values from the original electronic transaction set generated by the sender.

**Notes:** Required

When a billing party has received and accepted more than one 810 Invoice transaction for the same customer during a bill window, the billing party may respond by sending one 824 Positive Notification transaction that references each accepted Invoice in separate OTI loops or an 824 Positive Notification transaction for each accepted Invoice.

OTI~TA~TN~200210151400010~~~~~810

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Mand.	OTI01	110	Application Acknowledgment Code TA Transaction Set Accept	M ID 1/2
			Used to indicate that billing information sent in the 810 Invoice transactions has been accepted and presented on the customer's bill.	
Mand.	OTI02	128	Reference Identification Qualifier TN Transaction Reference Number	M ID 2/3
			Code indicating OTI03 contains the reference number from the original 810 transaction	

NY824 Positive Notification

<b>Mand.</b>	<b>OTI03</b>	<b>127</b>	<b>Reference Identification</b>	<b>M AN 1/30</b>
			This is the reference number from the original transaction, populated from the BIG02 of the respective 810.	
<b>Must Use</b>	<b>OTI10</b>	<b>143</b>	<b>Transaction Set Identifier Code</b>	<b>O ID 3/3</b>
			810 Invoice	

**Segment:** **REF** Reference Identification (Cross Reference Number)  
**Position:** 020  
**Loop:** OTI Mandatory  
**Level:** Detail  
**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  
 REF~6O~2048392934504

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	REF01	128	Reference Identification Qualifier 6O Cross Reference Number REF02 contains the cross reference number from the BIG05 element in the 810 transaction.	M ID 2/3
Must Use	REF02	127	Reference Identification Cross reference number	X AN 1/30

**Segment:** **DTM** **Date/Time Reference (Payments Applied Through Date)**  
**Position:** 030  
**Loop:** OTI Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**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:**

Required  
 DTM~311~20021212

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Date/Time Qualifier</u>	
Mand.	DTM01	374	311 Latest Receiving Date/Cutoff Date	M ID 3/3
			Payments applied up to and including the date provided in DTM02 were presented on the customer's consolidated bill for this period. Any payments applied after this date will be presented on the customer's next bill.	
Must Use	DTM02	373	Date	X DT 8/8
			Date in CCYYMMDD format	

**Segment:** **DTM** **Date/Time Reference (Payment Due Date)**  
**Position:** 030  
**Loop:** OTI Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**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:**

Required  
 DTM~814~20030102

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	DTM01	374	Date/Time Qualifier 814 Payment Due Date DTM02 indicates the date that payment on the consolidated bill is due from the customer. This date is determined by the utility.	M ID 3/3
Must Use	DTM02	373	Date Date in CCYYMMDD format	X DT 8/8

**Segment:** **AMT** Monetary Amount (Total Payments Applied)  
**Position:** 050  
**Loop:** OTI Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** Required

AMT~AAD~175.26

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code AAD Application Amount	M ID 1/3
			AMT02 is the total of all payments received by the billing party and allocated to the non-billing party as presented on the customer's consolidated bill. AMT02 includes amounts received by the non-billing party and subsequently reported in a PAM segment in the 810 Invoice transactions.	
Mand.	AMT02	782	Monetary Amount	M R 1/18
			Total payments applied to the non-billing party's charges.	
			This element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.	

**Segment:** **AMT** Monetary Amount (Total Amount Due)  
**Position:** 050  
**Loop:** OTI Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To indicate the total monetary amount  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** Required

AMT~BD~500

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Mand.	AMT01	522	Amount Qualifier Code BD Balance Due	M ID 1/3
<p>AMT02 contains the total amount due for the non-billing party's charges as presented by the billing party on the customer's consolidated bill. The amount sent in AMT02 is the sum of the customer's outstanding balance (which may be zero) plus current period charges/credits for the customer's account with the non-billing party.</p>				
Mand.	AMT02	782	Monetary Amount Total Amount Due for Non-Billing Party	M R 1/18
<p>This element is a real number. Real numbers are assumed to be positive numbers and a minus (-) sign must precede the amount when a negative number is being sent. Real numbers do NOT provide for an implied decimal position; a decimal point must be sent when decimal precision is required. When transmitting a real number it is not necessary, but is acceptable, to transmit insignificant digits such as leading and/or trailing zeros.</p>				



**Segment:** **SE** Transaction Set Trailer  
**Position:** 090  
**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~15~000000001

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Mand.	SE01	96	Number of Included Segments	M N0 1/10
Mand.	SE02	329	Transaction Set Control Number	M AN 4/9

## EXAMPLES

These examples are presented for illustrative purposes only. Although they are syntactically correct with respect to the published transaction standard for TS824 Positive Notification, it should be understood that these examples reflect certain assumptions regarding optional and conditional data segments in this standard. Accordingly, these examples are not necessarily indicative of the manner in which a specific Utility or ESCO would map a specific transaction.

### *Scenario 1 –Acceptance of Non-Billing Party’s 810 Invoice Sent by Utility (Billing Party) to ESCO (Non-Billing Party)*

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*200211031353001*20021103*****CF!	Transaction is a Response; Unique id number for this transaction; transaction creation date; confirm indicator
N1*SJ*ESCO NAME*1*745862317!	ESCO Name and DUNS number
N1*8S*CENTRAL HUDSON*1*006123456!	Utility Name and DUNS number
N1*8R*WL SMITH INDUSTRIAL WAREHOUSE!	Customer Name
REF*12*6624061503!	Utility assigned account number for this customer
REF*45*3190481190!	Previous utility assigned account number for this customer
REF*AJ*156489!	Utility assigned account number for the ESCO
OTI*TA*TN*200010151301001*****810!	Indicates action is a <b>Transaction Set Accept</b> ; reference number from original transaction; original transaction was an <b>810</b>
REF*60*867000097!	Cross Reference Number
DTM*311*20021103!	Payment Applied Through Date
DTM*814*20021126!	Payment Due Date
AMT*AAD*175.25!	Amount of Total Payments Applied as presented in the consolidated bill
AMT*BD*189.1!	The Total Amount Due as presented in the consolidated bill.
SE*15*000001!	Transaction set trailer; number of segments in this transaction; control number assigned by originator

**Scenario 2 –Acceptance of an 810 Invoice**  
**Sent by ESCO (Billing Party) to Utility (Non-Utility Party)**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*00058*20021103*****CF!	Transaction is a Response; Unique id number for this transaction; transaction creation date; confirm indicator
N1*SJ*ESCO NAME*1*745862317!	ESCO Name and DUNS number
N1*8S*NATIONAL FUEL*1*006123456!	Utility Name and DUNS number
N1*8R*WL SMITH INDUSTRIAL WAREHOUSE!	Customer Name
REF*12*1564657789!	Utility assigned account number for this customer
REF*AJ*111568!	Utility assigned account number for the ESCO
OTI*TA*TN*200010151301001*****810!	Indicates action is a <b>Transaction Set Accept</b> ; reference number from original transaction; original transaction was an <b>810</b>
REF*60*867000156!	Cross Reference Number
DTM*311*20021103!	Payment Applied Through Date
DTM*814*20021126!	Bill Due Date
AMT*AAD*0!	Total Payments Applied Presented on Bill
AMT*BD*364.35!	Total Amount Due Presented on Bill
SE*14*000001!	Transaction set trailer; number of segments in this transaction; control number assigned by originator

**Scenario 3 – Missed Bill Window for Prior Period; Multiple 810s Sent During Current Bill Window;  
Billing Party Issues One Consolidated Bill for Current Period**

**Summary:**

- Part A:** ESCO sends Utility 810 Invoice for period 2/28/16 – 3/28/16
- Part B:** Invoice is rejected for ‘missed bill window’  
Utility sends 824 Application Advice to ESCO  
824 Application Advice indicates ESCO resends bill information in next window
- Part C:** Next Bill Window - ESCO sends new 810 for 2/28/16 – 3/28/16
- Part D:** Next Bill Window - ESCO sends 810 for 3/28/16 – 4/27/16
- Part E:** Utility sends 824 Positive Notification Accepting 810 for 2/28/16 – 3/28/16
- Part F:** Utility sends 824 Positive Notification Accepting 810 for 3/28/16 – 4/27/16
- Or**
- Part G:** Utility sends one 824 Positive Notification Accepting both 810 Invoices

**Part A: ESCO sends Utility 810 Invoice for period 2/28/16 – 3/28/16**

ST*810*000001!	Transaction Set header; transaction defined is an <b>810</b> ; control number assigned by originator
BIG*20020403*IN20020403_5675***867100315* *ME*00!	Transaction date; Invoice number; Cross Reference Number; <b>Regular</b> Bill; <b>Original</b> Invoice
REF*11*526894GS!	ESCO assigned account number for the customer
REF*12*3456789!	Utility assigned account number for the customer
REF*BLT*LDC!	Utility is Bill Presenter
REF*PC*DUAL!	Each party calculates own charges
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
PID*F*GEN***THANK YOU for your timely payment*R1!	Text Message
BAL*M*YB*89.41!	Total Outstanding Balance
IT1*1*****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the <b>Account</b> level
TXI*LS*3.44*.04*****A*85.97!	Sales tax; amount; rate; Tax is <b>Additive</b> ; basis on which the tax is calculated
DTM*150*20020228!	Service period <b>start</b> date
DTM*151*20020328!	Service period <b>end</b> date
SLN*1**A!	First SLN Segment
SAC*C**EU*BAS001*295***2.95*MO*1***01!	Charge Indicator, <b>electric or combination</b> utility; charge type is <b>Customer Charge</b> ; Amount; Rate; Unit of Measure; Consumption; Text Description
SLN*2**A!	Second SLN Segment
SAC*C**EU*ENC001*8302***.466404*HH*178*** 02!	Charge Indicator, <b>electric or combination</b> utility; charge type is <b>Energy Charge</b> ; Amount; Rate; Unit of Measure; Consumption; Text Description
TDS*8941!	Total current month charges
CTT*1!	Number of IT1 segments
SE*22*000001!	Transaction Set trailer; segment count; control number

**Part B: Utility Sends 824 Application Advice**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*3920394930203*20020403*****82!	Transaction is a <b>Response</b> ; Unique transaction identification number; Transaction date; Invoice number; <b>Follow Up</b> indicator
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
REF*12*3456789!	Utility assigned account number for the customer
OTI*TR*TN*IN20020403_5675*****810!	Indicates action is a Transaction Set <b>Reject</b> ; reference number from original transaction; original transaction was an <b>810</b>
REF*60*867100315!	Cross Reference Number
TED*848*OBW!	Rejection Reason Code
NTE*ADD*THE BILL WINDOW CLOSED AT 5:00 PM 04-02-2002.!	Additional text explanation of rejection reason
NTE*ADD*PLEASE RESUBMIT THIS INFORMATION NEXT MONTH!	Additional text explanation of rejection reason
SE*12*000001!	Transaction Set trailer; segment count; control number

**Part C: Next Bill Window - ESCO sends new 810 for 2/28/16 – 3/28/16**

ST*810*000001!	Transaction Set header; transaction defined is an <b>810</b> ; control number assigned by originator
BIG*20160501*IN20160501_4566***867100315* *ME*00!	Transaction date; Invoice number; Cross Reference Number; <b>Regular</b> Bill; <b>Original</b> Invoice
REF*11*526894GS!	ESCO assigned account number for the customer
REF*12*3456789!	Utility assigned account number for the customer
REF*BLT*LDC!	Utility is Bill Presenter
REF*PC*DUAL!	Each party calculates own charges
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
PID*F*GEN***THANK YOU for your timely payment*R1!	Text Message
BAL*M*YB*89.41!	Total Outstanding Balance
IT1*1*****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the <b>account</b> level
TXI*LS*3.44*.04****A*85.97!	Sales tax; amount; rate; Tax is <b>Additive</b> ; basis on which the tax is calculated
DTM*150*20160228!	Service period <b>start</b> date
DTM*151*20160328!	Service period <b>end</b> date
SLN*1**A!	First SLN Segment
SAC*C**EU*BAS001*295***2.95*MO*1***01!	Charge Indicator, <b>electric or combination</b> utility; charge type is <b>Customer Charge</b> ; Amount; Rate; Unit of Measure; Consumption; Text Description
SLN*2**A!	Second SLN Segment
SAC*C**EU*ENC001*8302***.466404*HH*178*** 02!	Charge Indicator, <b>electric or combination</b> utility; charge type is <b>Energy Charge</b> ; Amount; Rate; Unit of Measure; Consumption; Text Description
TDS*8941!	Total current month charges
CTT*1!	Number of IT1 segments

SE*22*000001!	Transaction Set trailer; segment count; control number
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**Part D: Next Bill Window - ESCO sends 810 for 3/28/16 – 4/27/16**

ST*810*000001!	Transaction Set header; transaction defined is an <b>810</b> ; control number assigned by originator
BIG*20160501*IN20160501_4567***867101258**ME*00!	Transaction date; Invoice number; Cross Reference Number; <b>Regular Bill</b> ; <b>Original Invoice</b>
REF*11*526894GS!	ESCO assigned account number for the customer
REF*12*3456789!	Utility assigned account number for the customer
REF*BLT*LDC!	Utility is Bill Presenter
REF*PC*DUAL!	Each party calculates own charges
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
PID*F*GEN***THIS BILL CONTAINS TWO MONTHS OF ESCO CHARGES*R1!	Text Message
BAL*M*YB*170.57!	Total Outstanding Balance
IT1*1****SV*GAS*C3*ACCOUNT!	Gas Charge(s) billed at the <b>account</b> level
TXI*LS*3.12*.04***A*78.04!	Sales tax; amount; rate; Tax is <b>Additive</b> ; basis on which the tax is calculated
DTM*150*20160328!	Service period <b>start</b> date
DTM*151*20160427!	Service period <b>end</b> date
SLN*1**A!	First SLN Segment
SAC*C**EU*BAS001*295***2.95*MO*1***01!	Charge Indicator, <b>electric or combination</b> utility; charge type is <b>Customer Charge</b> ; Amount; Rate; Unit of Measure; Consumption; Text Description
SLN*2**A!	Second SLN Segment
SAC*C**EU*ENC001*7509***.466404*HH*161***02!	Charge Indicator, <b>electric or combination</b> utility; charge type is <b>Energy Charge</b> ; Amount; Rate; Unit of Measure; Consumption; Text Description
TDS*8116!	Total current month charges
CTT*1!	Number of IT1 segments
SE*21*000001!	Transaction Set trailer; segment count; control number

**Part E: Utility sends 824 Positive Notification Accepting 810 for 2/28/16 – 3/28/16**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*201605031259003*20160503*****CF!	Transaction is a Response; Unique id number for this transaction; transaction creation date; confirm indicator
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
REF*11*526894GS!	ESCO assigned account number for this customer
REF*12*3456789!	Utility assigned account number for this customer
REF*45*3190480!	Previous utility assigned account number for this customer
OTI*TA*TN*IN20160501_4566*****810!	Indicates action is a Transaction Set <b>Accept</b> ; reference number from original transaction; original transaction was an <b>810</b>
REF*60*867100315!	Cross Reference Number
DTM*311*20160503!	Payment Applied Through Date
DTM*814*20160526!	Bill Due Date
AMT*AAD*80.1!	Total Payments Applied Presented on Bill
AMT*BD*170.57!	Total Amount Due Presented on Bill
SE*15*000001!	Transaction set trailer; number of segments in this transaction; control number assigned by originator

**Part F: Utility sends 824 Positive Notification Accepting 810 for 3/28/16 – 4/27/16**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*201605031259004*20160503*****CF!	Transaction is a Response; Unique id number for this transaction; transaction creation date; confirm indicator
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
REF*11*526894GS!	ESCO assigned account number for this customer
REF*12*3456789!	Utility assigned account number for this customer
REF*45*3190480!	Previous utility assigned account number for this customer
OTI*TA*TN*IN20160501_4567*****810!	Indicates action is a Transaction Set <b>Accept</b> ; reference number from original transaction; original transaction was an <b>810</b>
REF*60*867101258!	Cross Reference Number
DTM*311*20160503!	Payment Applied Through Date
DTM*814*20160526!	Bill Due Date
AMT*AAD*80.1!	Total Payments Applied Presented on Bill
AMT*BD*170.57!	Total Amount Due Presented on Bill
SE*15*000001!	Transaction set trailer; number of segments in this transaction; control number assigned by originator

**Part G: Utility sends one 824 Positive Notification Accepting both 810 Invoices**

ST*824*000001!	Transaction Set header; transaction defined is an <b>824</b> ; control number assigned by originator
BGN*11*200205031259005*20020503*****CF!	Transaction is a Response; Unique id number for this transaction; transaction creation date; confirm indicator
N1*SJ*ESCO NAME*1*123456789!	ESCO Name and DUNS number
N1*8S*NYSEG*1*987693210!	Utility Name and DUNS number
N1*8R*MARY JONES!	Customer Name
REF*11*526894GS!	ESCO assigned account number for this customer
REF*12*3456789!	Utility assigned account number for this customer
REF*45*3190480!	Previous utility assigned account number for this customer
OTI*TA*TN*IN20020501_4566*****810!	Indicates action is a Transaction Set <b>Accept</b> ; reference number from original transaction - <b>First Invoice</b> ; original transaction was an <b>810</b>
REF*60*867100315!	Cross Reference Number - <b>First Invoice</b>
DTM*311*20020503!	Payment Applied Through Date
DTM*814*20020526!	Bill Due Date
AMT*AAD*80.1!	Total Payments Applied
AMT*BD*170.57!	Total Amount Due
OTI*TA*TN*IN20020501_4567*****810!	Indicates action is a Transaction Set <b>Accept</b> ; reference number from original transaction - <b>Second Invoice</b> ; original transaction was an <b>810</b>
REF*60*867101258!	Cross Reference Number - <b>Second Invoice</b>
DTM*311*20020503!	Payment Applied Through Date
DTM*814*20020526!	Bill Due Date
AMT*AAD*80.1!	Total Payments Applied Presented on Bill
AMT*BD*170.57!	Total Amount Due Presented on Bill
SE*21*000001!	Transaction set trailer; number of segments in this transaction; control number assigned by originator