

Technical Operating Profile

For

Electronic Data Interchange in New York

**Supplement 7a – 810 EURC Cycle Invoice
(Single Retailer)**

Version 1.01

February–October 231, 201403

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	<u>Summary of Changes</u>
<u>February 21, 2003</u>	<u>Initial Release</u>
<u>October 23, 2014</u>	<p><u>Version 1.1 Issued</u></p> <p><u>Replaced references to Marketer and E/M with ESCO.</u></p> <p><u>Utility specific notes are generalized, as appropriate, and designated for relocation to/reference within Utility Maintained EDI Guides, as necessary.</u></p>

I. PURPOSE

This document, which will be referred to as Technical Operating Profile (TOP) Supplement 7a, provides the guidelines and specifications for testing of the 810 EURC Cycle Invoice transaction used in the Single Retailer model. The document describes the requirements for Phase I, II and III testing for Electronic Data Interchange (EDI) in New York's retail energy marketplace. The test specifications were developed in accordance with the ongoing work of the New York EDI Collaborative (the Collaborative), which is primarily responsible for developing the data standards for EDI in New York as directed by the New York Public Service Commission (PSC or Commission)¹.

This document must be used in conjunction with the orders issued to-date by the State of New York Public Service Commission in Case 98-M-0667 (In the Matter of Electronic Data Interchange)² including:

- A) Opinion No. 01-03, Opinion and Order Approving EDI Data Standards and Data Protocols and Modifying the New York Uniform Business Practices for EDI Implementation, issued and effective July 23, 2001. Supplement E of this opinion, The Technical Operating Profile (TOP), contains general and Phase I testing information.
- B) Order Approving EDI Test Plans and Data Standards, issued and effective November 8, 2001. Supplement A of this order, The Top Supplement 1, contains Phase II and Phase III testing information and procedures.
- C) Order Approving Electronic Data Interchange Transactions for Single Retailer invoices, issued and effective, August 26, 2002.

II. TESTING ASSUMPTIONS

810 Single Retailer EURC Cycle Invoice Testing Options: In New York, ~~ESCO/Marketers (E/MESCOs)~~ deemed eligible by the New York Public Service Commission, and also in compliance with Utility-specific retail access requirements, may offer the Single Retailer model in selected utility service territories³. Under the Single Retailer model, the ~~E/MESCO~~ is responsible for all retail services to their customers including billing and payment processing. With respect to billing, the Utility invoices the ~~E/MESCO~~ for delivery and other charges applicable to the ~~E/MESCO's~~ End Use Retail Customers (EURC), and for amounts due from the ~~E/MESCO~~ unrelated to specific EURC accounts (such as transmission fees and fees associated with balancing or storage). ~~E/MESCOs~~ bill their customers using the data provided by the Utility in the 810 invoice transactions and based on the terms agreed upon with the customers.

The 810 Single Retailer EURC Cycle Invoice is used to transmit the individual charge information for end use retail customers based on cycle billings. ~~Both Rochester Gas & Electric Corporation (RG&E) and National Fuel Gas Corporation (NFG) use the 810 Single Retailer EURC Cycle Invoice to provide detail to the E/M for EURC billing.~~

The content and structure of the EURC Cycle Invoice transaction may vary by commodity type, utility, metering options, and accordingly, each test scenario may not be applicable to every market participant. For each test candidate, Staff will determine which of the Phase I test scenarios are applicable. The

¹ New York Public Service Commission Electronic Data Interchange proceeding, Case 98-M-0667.

² ~~The specifications were reviewed and updated by the Case 12-M-0476 EDI Working Groups.~~

³ ~~Utilities that Currently, Rochester Gas and Electric Corporation (RG&E) and National Fuel Gas Corporation (NFG), offer the Single Retailer model will identify such in their Utility Maintained EDI Guides.~~

Phase II or III test scenarios applicable to a specific Utility and a specific ~~E/MESCO~~ will be determined by the commodity type and the processing procedures in that Utility's service territory. These scenarios are to be mutually agreed upon by the test partners prior to the initiation of Phase II or III testing.

End-to-End Testing: End-to-end testing is an integrated approach to testing that ensures all required transactions are tested between trading partners in a logical manner. The end-to-end test cycle includes the EDI transactions expected to occur in the normal production process preceding initiation of the 810 Single Retailer EURC Cycle Invoice transaction. During the transition to EDI in New York, as each EDI data standard has been approved, a corresponding test plan has been developed and adopted by the Commission. Due to this fact, EDI testing has been an iterative process, and some market participants will have already completed various phases of EDI testing for transactions that would normally precede transmission of an 810 EURC Cycle Invoice transaction. For these participants, end-to-end testing at this juncture may be redundant and costly, and as a result is not required⁴. For those market participants, however, who have not yet begun the transition to EDI, the end-to-end testing approach ensures thorough testing. In the post-EDI transition period, therefore, Utilities will be expected to test new ~~E/MESCO~~s using an end-to-end approach, with execution details left to the utility⁵.

Simulated Processing Dates and Times: When moving from one frame to the next in a scenario, test participants may be required to advance their test system dates or times. It is recommended that trading partners coordinate the synchronization of their system dates and times as they advance to the next frame in each scenario.

Test Plan Worksheets: Each Test Scenario Worksheet includes a complete set of end-to-end test scripts and includes all frames required for end-to-end testing of each Single Retailer EURC Cycle Invoice Scenario. Each frame identifies the initiating party for each transaction. In addition, the script ID's include "EM" or "UTIL" to further identify the transaction sender.

⁴ Test participants may, however, elect to integrate testing of newly approved test scenarios into current test plans to better streamline and eliminate duplication of testing efforts.

⁵ Details including the coordination and scheduling of ~~E/MESCO~~ test batches and the timing and execution of test frames and scenarios are left to the discretion of the Utility.

III. PHASE I TEST SCENARIOS

TEST ID	UNIT	TEST NAME
<i>810 EURC Cycle Invoice Tests (to be completed by the Utility)</i>		
SRCI-UTIL01	810	Single Retailer EURC Cycle Invoice – Single Meter, Single Rate
SRCI-UTIL02	810	Single Retailer EURC Cycle Invoice – Unmetered account (electric)
SRCI-UTIL03	810	Single Retailer EURC Cycle Invoice – Single Meter, Single Rate – Final Bill
SRCI-UTIL04	810	Single Retailer EURC Cycle Invoice – Canceled and Restated Charges; multiple cycles

IV. PHASE II & III TEST SCENARIOS

Single Retailer EURC Cycle Invoice – Test Scenarios
SRCI001: Single Retailer EURC Cycle Invoice – Single Meter, Single Rate
SRCI002: Single Retailer EURC Cycle Invoice – Two Meters, Single Rate, Charges based on the sum of the usage
SRCI003: Single Retailer EURC Cycle Invoice – Single Meter, Single Rate – Final Bill
SRCI004: Single Retailer EURC Cycle Invoice – Previously estimated billing is canceled and new invoice spans a prorated time period
SRCI005: Single Retailer EURC Cycle Invoice – Charges for Unmetered Usage
SRCI006: Single Retailer EURC Cycle Invoice – Blended Rates
SRCI007: Single Retailer EURC Cycle Invoice – Invalid invoice requiring 824 Application Advice reject response
SCRI008: Single Retailer EURC Cycle Invoice – Meter Exchange during the billing period

Phase II/III Scenario Scripts				
Scenario ID:	Script ID	Frame No.	Transaction Set	Description
SRCI001	E-EM01REQ E-UTIL01RES U-UTIL01MU IN-SRCIUTIL01	F1 F2 F3 F4	814 Enrollment 814 Enrollment 867 MU 810 Invoice	Single Retailer EURC Cycle Invoice – Single Meter, Single Rate
SRCI002	E-EM02REQ E-UTIL02RES U-UTIL02MU IN-SRCIUTIL02	F1 F2 F3 F4	814 Enrollment 814 Enrollment 867 MU 810 Invoice	Single Retailer EURC Cycle Invoice – Two Meters, Single Rate, Charges based on the sum of the usage
SCRI003	E-EM03REQ E-UTIL03RES D-UTIL03REQ U-UTIL03MU IN-SRCIUTIL03	F1 F2 F3 F4 F5	814 Enrollment 814 Enrollment 814 Drop 867 MU - Final 810 Invoice - Final	Single Retailer EURC Cycle Invoice – Single Meter, Single Rate – Final Bill
SRCI004	E-EM04REQ E-UTIL04RES U-UTIL04MU IN-SRCIUTIL04 U-UTIL04MU-C IN-SRCIUTIL04-C U-UTIL04MU-R IN-SRCIUTIL04-R	F1 F2 F3 F4 F5 F6 F7 F8	814 Enrollment 814 Enrollment 867 MU –Estimated 810 Invoice - Original 867 MU – Cancel 810 Invoice – Cancel 867 MU 810 Invoice - Prorated	Single Retailer EURC Cycle Invoice – Previously estimated billing is canceled and new invoice spans a prorated time period
SRCI005	E-EM05REQ E-UTIL05RES U-UTIL05MU IN-SRCIUTIL05	F1 F2 F3 F4	814 Enrollment 814 Enrollment 867 MU 810 Invoice	Single Retailer EURC Cycle Invoice – Charges for Unmetered Usage
SRCI006	E-EM06REQ E-UTIL06RES U-UTIL06MU IN-SRCIUTIL06	F1 F2 F3 F4	814 Enrollment 814 Enrollment 867 MU 810 Invoice	Single Retailer EURC Cycle Invoice – Blended Rates

SRCI007	E-EM07REQ E-UTIL07RES U-UTIL07MU IN-SRCIUTIL07 IN-EM07AA	F1 F2 F3 F4 F5	814 Enrollment 814 Enrollment 867 MU 810 Invoice 824 Application Advice	Single Retailer EURC Cycle Invoice – Invalid invoice requiring 824 Application Advice reject response
SRCI008	E-EM08REQ E-UTIL08RES C-UTIL08REQ C-EM08RES U-UTIL08MU IN-SRCIUTIL08	F1 F2 F3 F4 F5 F6	814 Enrollment 814 Enrollment 814 Change 814 Change 867 MU 810 Invoice	Single Retailer EURC Cycle Invoice – Meter Exchange during the billing period

IV. PHASE II & III TEST SCENARIO WORKSHEETS

Scenario ID: SRCI001 – Single Retailer EURC Cycle Invoice – Single Meter, Single Rate

Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility

Test Objectives/Notes:

- Utility will generate and successfully transmit 810 Single Retailer EURC Cycle Invoice to the E/MESCO.
- Utility will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** E/MESCO

Script ID: E-EM01REQ

Transaction: 814 Enrollment Request

Description: E/MESCO submits an 814 Enrollment Request to Utility

Expected Results:

- The E/MESCO successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F2 **Responsible Party:** Utility

Script ID: E-UTIL01RES

Transaction: 814 Enrollment Response

Description: Utility creates and transmits 814 Enrollment Accept Response to the E/MESCO

Expected Results:

- The Utility successfully transmits the 814 Enrollment Response to the E/MESCO.
- A 997 transaction is received from the incumbent E/MESCO to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F3 **Responsible Party:** Utility

Script ID: U-UTIL01MU

Transaction: 867 Monthly Usage

Description: Utility creates and sends 867 Monthly Usage transaction

Expected Results:

- The utility successfully transmits the 867 Monthly Usage transaction to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL01

Transaction: 810 Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCI002 – Single Retailer EURC Cycle Invoice – Two Meters, Single Rate, Charges based on the sum of the usage

Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility

Test Objectives/Notes:

- Utility will generate and successfully transmit Single Retailer EURC Cycle Invoice to the [E/MESCO](#). Invoice detail will include charges calculated from two meters, with the usage defined for each meter, and the charges based on the sum of the usage.
- Utilities will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** [E/MESCO](#)

Script ID: E-EM02REQ

Transaction: 814 Enrollment Request

Description: [E/MESCO](#) submits an 814 Enrollment Request to Utility

Expected Results:

- The [E/MESCO](#) successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F2 **Responsible Party:** Utility

Script ID: E-UTIL02RES

Transaction: 814 Enrollment Response

Description: Utility creates and transmits 814 Enrollment Accept Response to the [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 814 Enrollment Response to the [E/MESCO](#).
- A 997 transaction is received from the incumbent [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F3 **Responsible Party:** Utility

Script ID: U-UTIL02MU

Transaction: 867 Monthly Usage

Description: Utility creates and sends 867 Monthly Usage transaction with usage for two meters for a single account to the E/MESCO. (867 will contain a separate PTD loop for each meter.)

Expected Results:

- The utility successfully transmits the 867 Monthly Usage transaction to the E/MESCO.
- A 997 transaction is received from the E/MESCO to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL02

Transaction: 810 Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice with charges calculated from the usage recorded on two meters for a single account and a single rate schedule.

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Invoice to E/MESCO.
- A 997 transaction is received from the E/MESCO to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCII003 – Single Retailer EURC Cycle Invoice – Single Meter, Single Rate – Final Bill**Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility****Test Objectives/Notes:**

- Utility will generate and successfully transmit Single Retailer EURC Cycle Invoice to the ~~E/MESCO~~. Invoice will be a Final Bill.
- Utilities will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** ~~E/MESCO~~**Script ID:** E-EM03REQ**Transaction:** 814 Enrollment Request**Description:** ~~E/MESCO~~ submits an 814 Enrollment Request to Utility**Expected Results:**

- The ~~E/MESCO~~ successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:**Date Completed:****Frame:** F2 **Responsible Party:** Utility**Script ID:** E-UTIL03RES**Transaction:** 814 Enrollment Response**Description:** Utility creates and transmits 814 Enrollment Accept Response to the ~~E/MESCO~~**Expected Results:**

- The Utility successfully transmits the 814 Enrollment Response to the ~~E/MESCO~~.
- A 997 transaction is received from the incumbent ~~E/MESCO~~ to acknowledge receipt of the valid X12 transaction.

Actual Results:**Date Completed:**

Frame: F3 **Responsible Party:** Utility

Script ID: D-UTIL03REQ

Transaction: 814 Drop

Description: Utility creates and transmits 814 Drop to the [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 814 Drop to the [E/MESCO](#).
- A 997 transaction is received from the incumbent [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** Utility

Script ID: U-UTIL03MU

Transaction: 867 Monthly Usage - Final

Description: Utility creates and sends 867 Monthly Usage transaction (Final) to [E/MESCO](#).

Expected Results:

- The utility successfully transmits the 867 Monthly Usage (Final) transaction to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F5 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL03

Transaction: 810 Single Retailer EURC Cycle Invoice – Final

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice (Final) to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice (Final) to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCI004 – Single Retailer EURC Cycle Invoice – Single Retailer EURC Cycle Invoice – Previously estimated billing is canceled and new invoice spans a prorated time period

Test an 810 Single Retailer EURC Cycle Cancel Invoice and a Restated Invoice initiated by the Utility

Test Objectives/Notes:

- Utility will generate and successfully transmit an 867 Monthly Usage transaction based on estimated usage
- Utility will generate and successfully transmit Single Retailer EURC Cycle Invoice based on estimated usage
- Utility will generate and successfully transmit an 867 Cancel Monthly usage and an 810 Cancel Single Retailer EURC Cycle Invoice for the estimated usage and invoice transactions to the ~~E/MESCO~~.
- Utility will generate and successfully transmit an 867 Monthly Usage Transaction with restated usage to the ~~E/MESCO~~.
- Utility will generate and successfully transmit Single Retailer EURC Cycle Invoice with prorated charges to the ~~E/MESCO~~. One or more prorated charges will be included in the SAC Segment. The SAC08 multiplied by the SAC10 will not equal the SAC05 for the prorated charge(s).
- Utilities will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** ~~E/MESCO~~

Script ID: E-EM04REQ

Transaction: 814 Enrollment Request

Description: ~~E/MESCO~~ submits an 814 Enrollment Request to Utility

Expected Results:

- The ~~E/MESCO~~ successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F2 **Responsible Party:** Utility

Script ID: E-UTIL04RES

Transaction: 814 Enrollment Response

Description: Utility creates and transmits 814 Enrollment Accept Response to the ~~E/MESCO~~

Expected Results:

- The Utility successfully transmits the 814 Enrollment Response to the ~~E/MESCO~~.
- A 997 transaction is received from the incumbent ~~E/MESCO~~ to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F3 **Responsible Party:** Utility

Script ID: U-UTIL04MU

Transaction: 867 Monthly Usage - Estimated

Description: Utility creates and sends 867 Monthly Usage transaction to the [E/MESCO](#). Usage is estimated.

Expected Results:

- The utility successfully transmits the 867 Monthly Usage transaction to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL04

Transaction: 810 Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice to [E/MESCO](#). Charges are based on estimated usage.

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice with erroneous charges to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F5 **Responsible Party:** Utility

Script ID: U-UTIL04MU-C

Transaction: 867 Cancel Monthly Usage

Description: Utility creates and transmits cancellation of estimated Monthly Usage to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the cancellation of Monthly Usage to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F6 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL04-C

Transaction: 810 Cancel Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Cancel Single Retailer EURC Cycle Invoice for charges based on estimated usage to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 810 Cancel Single Retailer EURC Cycle Invoice to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F7 **Responsible Party:** Utility

Script ID: U-UTIL04MU-R

Transaction: 867 Monthly Usage

Description: Utility creates and transmits 867 Monthly Usage with restated usage to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 867 Monthly Usage to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F8 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL04-R

Transaction: 810 Rebill Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Rebill Single Retailer EURC Cycle Invoice with prorated charges to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 810 Rebill Single Retailer EURC Cycle Invoice to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCI005 – Single Retailer EURC Cycle Invoice – Charges for Unmetered Usage**Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility****Test Objectives/Notes:**

- Utility will generate and successfully transmit 810 Single Retailer EURC Cycle Invoice to the [E/MESCO](#). Charges will be calculated on unmetered usage.
- Utilities will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** [E/MESCO](#)**Script ID:** E-EM05REQ**Transaction:** 814 Enrollment Request**Description:** [E/MESCO](#) submits an 814 Enrollment Request to Utility**Expected Results:**

- The [E/MESCO](#) successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:**Date Completed:****Frame:** F2 **Responsible Party:** Utility**Script ID:** E-UTIL05RES**Transaction:** 814 Enrollment Response**Description:** Utility creates and transmits 814 Enrollment Accept Response to the [E/MESCO](#)**Expected Results:**

- The Utility successfully transmits the 814 Enrollment Response to the [E/MESCO](#).
- A 997 transaction is received from the incumbent [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:**Date Completed:**

Frame: F3 **Responsible Party:** Utility

Script ID: U-UTIL05MU

Transaction: 867 Monthly Usage

Description: Utility creates and sends 867 Monthly Usage transaction – Unmetered Usage

Expected Results:

- The utility successfully transmits the 867 Monthly Usage (Unmetered) transaction to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL05

Transaction: 810 Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice (charges based on unmetered usage) to [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice to [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCI006 – Single Retailer EURC Cycle Invoice – Blended Rates**Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility****Test Objectives/Notes:**

- Utility will generate and successfully transmit 810 Single Retailer EURC Cycle Invoice with charges based on blended rates to the E/MESCO.
- Utilities will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** E/MESCO**Script ID:** E-EM06REQ**Transaction:** 814 Enrollment Request**Description:** E/MESCO submits an 814 Enrollment Request to Utility**Expected Results:**

- The E/MESCO successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:**Date Completed:****Frame:** F2 **Responsible Party:** Utility**Script ID:** E-UTIL06RES**Transaction:** 814 Enrollment Response**Description:** Utility creates and transmits 814 Enrollment Accept Response to the E/MESCO**Expected Results:**

- The Utility successfully transmits the 814 Enrollment Response to the E/MESCO.
- A 997 transaction is received from the incumbent E/MESCO to acknowledge receipt of the valid X12 transaction.

Actual Results:**Date Completed:**

Frame: F3 **Responsible Party:** Utility

Script ID: U-UTIL06MU

Transaction: 867 Monthly Usage

Description: Utility creates and sends 867 Monthly Usage transaction

Expected Results:

- The utility successfully transmits the 867 Monthly Usage transaction to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL06

Transaction: 810 Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice with blended rates to the [E/MESCO](#).

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCI007 - Single Retailer EURC Cycle Invoice – Invalid Invoice requiring 824 Application Advice Reject Response

Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility with an 824 Reject Response initiated by the E/MESCO

Test Objectives/Notes:

- Utility will generate and successfully transmit an 810 Single Retailer EURC Cycle Invoice with an invalid utility customer account number to the E/MESCO.
- Additional and/or other reject reasons may be tested upon mutual agreement of the trading partners.
- E/MESCO will reject the 810 Single Retailer EURC Cycle Invoice with an 824 Application Advice transaction. Reject response will indicate “Invalid Utility Customer Account Number”, or other mutually agreed upon reject reason.
- Utilities will execute test rate, and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** E/MESCO

Script ID: E-EM07REQ

Transaction: 814 Enrollment Request

Description: E/MESCO submits an 814 Enrollment Request to Utility

Expected Results:

- The E/MESCO successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F2 **Responsible Party:** Utility

Script ID: E-UTIL07RES

Transaction: 814 Enrollment Response

Description: Utility creates and transmits 814 Enrollment Accept Response to the E/MESCO

Expected Results:

- The Utility successfully transmits the 814 Enrollment Response to the E/MESCO.
- A 997 transaction is received from the E/MESCO to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F3 **Responsible Party:** Utility

Script ID: U-UTIL07MU

Transaction: 867 Monthly Usage

Description: Utility creates and sends 867 Monthly Usage transaction.

Expected Results:

- The utility successfully transmits the 867 Monthly Usage transaction to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Frame: F4 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL07

Transaction: Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice with an invalid utility customer account number (or other mutually agreed upon error) to the [E/MESCO](#).

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Frame: F5 **Responsible Party:** [E/MESCO](#)

Script ID: IN-EM07AA

Transaction: Application Advice

Description: [E/MESCO](#) creates and transmits 824 Application Advice (Reject) to the Utility

Expected Results:

- The [E/MESCO](#) successfully transmits the 824 Application Advice to the Utility
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Actual Overall Results:

Scenario ID: SRCI008 – Single Retailer EURC Cycle Invoice – Meter Exchange during the billing period

Test an 810 Single Retailer EURC Cycle Invoice initiated by the Utility

Test Objectives/Notes:

- Utility will generate and successfully transmit an 814 Change Request for a meter change
- Utility will generate and successfully transmit an 867 Usage transaction with usage reported for an old and a new meter during the billing period.
- Utility will generate and successfully transmit 810 Single Retailer EURC Cycle Invoice. The invoice will contain charges for an old meter and a new meter for a single billing period.
- Utilities will execute test rates and meter configurations specific to their business process.

Commodity: _____ (Electric / Gas)

Account #: _____

Account #: _____

Account #: _____

Account #: _____

Frame: F1 **Responsible Party:** E/MESCO

Script ID: E-EM08REQ

Transaction: 814 Enrollment Request

Description: E/MESCO submits an 814 Enrollment Request to Utility

Expected Results:

- The E/MESCO successfully transmits the 814 Enrollment Request to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F2 **Responsible Party:** Utility

Script ID: E-UTIL08RES

Transaction: 814 Enrollment Response

Description: Utility creates and transmits 814 Enrollment Accept Response to the E/MESCO

Expected Results:

- The Utility successfully transmits the 814 Enrollment Response to the E/MESCO.
- A 997 transaction is received from the incumbent E/MESCO to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F3 **Responsible Party:** Utility

Script ID: C-UTIL08REQ

Transaction: 814 Change Request

Description: Utility creates and transmits 814 Change Request with meter change data to the [E/MESCO](#)

Expected Results:

- The Utility successfully transmits the 814 Change Request to the [E/MESCO](#).
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4 **Responsible Party:** [E/MESCO](#)

Script ID: C-EM08RES

Transaction: 814 Change Response

Description: [E/MESCO](#) creates and transmits 814 Change Accept Response to the Utility

Expected Results:

- The [E/MESCO](#) successfully transmits the 814 Change Response to the Utility.
- A 997 transaction is received from the Utility to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F5 **Responsible Party:** Utility

Script ID: U-UTIL08MU

Transaction: 867 Monthly Usage

Description: Utility creates and sends 867 Monthly Usage transaction

Expected Results:

- The utility successfully transmits the 867 Monthly Usage transaction to the [E/MESCO](#). The transaction will reflect a meter change during the billing period.
- A 997 transaction is received from the [E/MESCO](#) to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F6 **Responsible Party:** Utility

Script ID: IN-SRCIUTIL08

Transaction: 810 Single Retailer EURC Cycle Invoice

Description: Utility creates and transmits 810 Single Retailer EURC Cycle Invoice to the ~~E/MESCO~~. The charges will be calculated from usage recorded on two meters as a result of a meter change during the billing period.

Expected Results:

- The Utility successfully transmits the 810 Single Retailer EURC Cycle Invoice to the ~~E/MESCO~~.
- A 997 transaction is received from the ~~E/MESCO~~ to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results: