Technical **O**perating **P**rofile

For

Electronic Data Interchange in New York

Supplement 7b – 810 EURC Calendar Month Estimate (Single Retailer)

Version 1.0
February 21, 2003

TABLE OF CONTENTS

I. PURPOSE

This document, which will be referred to as Technical Operating Profile (TOP) Supplement 7b, provides the guidelines and specifications for testing of the 810 EURC Calendar Month Estimate 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 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) 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 Calendar Month Estimate Invoice Testing Options: In New York, ESCO/Marketers (E/Ms) 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 territories[2]. Under the Single Retailer model, the E/M is responsible for all retail services to their customers including billing and payment processing. With respect to billing, the Utility invoices the E/M for delivery and other charges applicable to the E/M's End Use Retail Customers (EURC), and for amounts due from the E/M unrelated to specific EURC accounts (such as transmission fees and fees associated with balancing or storage). E/Ms 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 Calendar Month Invoice contains individual charge information for end use retail customers based on a calendar month estimate. For NFG these invoices provide detail that the E/Ms use to reconcile their monthly summary invoices. The 810 Single Retailer EURC Calendar Month Invoice is not used by RG&E.

---

[1] New York Public Service Commission Electronic Data Interchange proceeding, Case 98-M-0667.
[2] Currently, Rochester Gas and Electric Corporation (RG&E) and National Fuel Gas Corporation (NFG) offer the Single Retailer model.

The content and structure of the EURC Calendar Month Estimate Invoice may vary by commodity type, Utility, metering options, etc. 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 Phase II or III test scenarios applicable to a specific Utility and a specific E/M 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 Calendar Month Estimate 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 Calendar Month Estimate Invoice transaction. For these participants, end-to-end testing at this juncture may be redundant and costly, and as a result is not required[3]. 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/Ms using an end-to-end approach, with execution details left to the utility[4].

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 Calendar Month Estimate 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.

---

[3] 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.

[4] Details including the coordination and scheduling of E/M 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
810 EURC Calendar Month Estimate Invoice Tests (to be completed by the Utility)		
SRCMEI-UTIL01	810	Single Retailer EURC Calendar Month Estimate Invoice – Single meter, single rate
SRCMEI -UTIL02	810	Single Retailer EURC Calendar Month Estimate Invoice – Single meter, single rate – final bill
SRCMEI -UTIL03	810	Single Retailer EURC Calendar Month Estimate Invoice – Canceled and restated charges, multiple cycles

IV. PHASE II & III TEST SCENARIOS

Single Retailer EURC Calendar Month Estimate Invoice – Test Scenarios
SRCMEI001: Single Retailer EURC Calendar Month Estimate Invoice – Single Meter, Single Rate
SRCMEI002: Single Retailer EURC Calendar Month Estimate Invoice – Cancel/Rebill – Incorrect Estimate
SRCMEI003: Single Retailer EURC Calendar Month Estimate Invoice – Invalid invoice requiring 824 Application Advice Reject Response

Phase II/III Scenario Scripts				
Scenario ID:	**Script ID**	**Frame No.**	**Transaction Set**	**Description**
SRCMEI001	E-EM01REQ E-UTIL01RES IN-SRCMEIUTIL01	F1 F2 F3	814 Enrollment 814 Enrollment 810 Invoice	Single Retailer EURC Calendar Month Estimate Invoice – Single Meter, Single Rate
SRCMEI002	E-EM02REQ E-UTIL02RES IN-SRCMEIUTIL02 IN-SRCMEIUTIL02-C IN-SRCMEIUTIL02-R	F1 F2 F3 F4 F5	814 Enrollment 814 Enrollment 810 Invoice - Original 810 Invoice – Cancel 810 Invoice Rebill	Single Retailer EURC Calendar Month Estimate Invoice – Cancel/Rebill – Incorrect Estimate
SRCMEI003	E-EM03REQ E-UTIL03RES IN-SRCMEIUTIL03 IN-EM03AA	F1 F2 F3 F4	814 Enrollment 814 Enrollment 810 Invoice 824 Application Advice	Single Retailer EURC Calendar Month Estimate Invoice – Invalid invoice requiring 824 Application Advice Reject Response

V.   PHASE II & III TEST SCENARIO WORKSHEETS

Scenario ID: SRCMEI001 – Single Retailer EURC Calendar Month Estimate Invoice – Single Meter, Single Rate

Test an 810 Single Retailer EURC Calendar Month Estimate Invoice initiated by the Utility

Test Objectives/Notes:
- Utility will generate and successfully transmit an 810 Single Retailer EURC Calendar Month Estimate Invoice to the E/M. The 810 transaction will contain charges for a single meter and a single rate.
- 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/M

Script ID: E-EM01REQ
Transaction: 814 Enrollment Request
Description: E/M submits an 814 Enrollment Request to Utility

Expected Results:
- The E/M 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/M

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

Actual Results:

Date Completed:

Frame: F3   **Responsible Party:** Utility

Script ID: IN-SRCMEIUTIL01

Transaction: 810 Single Retailer EURC Calendar Month Estimate Invoice
Description: Utility creates and transmits 810 Single Retailer EURC Calendar Month Estimate Invoice to E/M

Expected Results:
- The Utility successfully transmits the 810 Single Retailer EURC Calendar Month Estimate Invoice to E/M.
- A 997 transaction is received from the E/M to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCMEI002 - Single Retailer EURC Calendar Month Estimate Invoice – Cancel/Rebill – Incorrect Estimate

Test an 810 Single Retailer EURC Calendar Month Estimate Invoice initiated by the Utility

Test Objectives/Notes:
- Utility will generate and successfully transmit an 810 Single Retailer EURC Calendar Month Estimate Invoice to the E/M. The 810 transaction will contain charges for a single meter and a single rate. The invoice will be based on an erroneous usage estimate. An 810-cancel invoice and an 810 invoice with restated charges will be transmitted to the E/M.
- 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/M

Script ID: E-EM02REQ
Transaction: 814 Enrollment Request
Description: E/M submits an 814 Enrollment Request to Utility

Expected Results:
- The E/M 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/M

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

Actual Results:

Date Completed:

Frame: F3   **Responsible Party:** Utility

Script ID: IN- SRCMEIUTIL02

Transaction: 810 Single Retailer EURC Calendar Month Estimate Invoice
Description: Utility creates and transmits 810 Single Retailer EURC Calendar Month Estimate Invoice to the E/M. Invoice calculated on a single meter and a single rate. Charges are based on an incorrect usage estimate.

Expected Results:
- The Utility successfully transmits the 810 Single Retailer EURC Calendar Month Estimate Invoice to E/M.
- A 997 transaction is received from the E/M to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4   **Responsible Party:** Utility

Script ID: IN-SRCMEIUTIL02-C

Transaction: 810 Single Retailer EURC Calendar Month Estimate Invoice
Description: Utility creates and transmits an 810 Cancel Single Retailer EURC Calendar Month Estimate Invoice to E/M for the previously sent invoice.

Expected Results:
- The Utility successfully transmits the 810 Cancel Single Retailer EURC Calendar Month Estimate Invoice to E/M.
- A 997 transaction is received from the E/M to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F5   **Responsible Party:** Utility

Script ID: IN-SRCIUTIL02-R

Transaction: 810 Single Retailer EURC Calendar Month Estimate Invoice
Description: Utility creates and transmits an 810 Rebill Single Retailer EURC Calendar Month Estimate Invoice to E/M.

Expected Results:
- The Utility successfully transmits the 810-Rebill Single Retailer EURC Calendar Month Estimated Invoice to E/M.
- A 997 transaction is received from the E/M to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Actual Overall Results:

Scenario ID: SRCMEI003 – Single Retailer EURC Calendar Month Estimate Invoice – Invalid invoice requiring 824 Application Advice Reject Response

Test an 810 Single Retailer EURC Calendar Month Estimate Invoice initiated by the Utility with an 824 Reject Response initiated by the E/M

Test Objectives/Notes:
- Utility will generate and successfully transmit an 810 Single Retailer EURC Calendar Month Estimate Invoice with an invalid utility customer account number to the E/M.
- Additional and/or other reject reasons may be tested upon mutual agreement of the trading partners.
- E/M will reject the 810 Single Retailer EURC Calendar Month Estimate 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/M

Script ID: E-EM03REQ
Transaction: 814 Enrollment Request
Description: E/M submits an 814 Enrollment Request to Utility

Expected Results:
- The E/M 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/M

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

Actual Results:

Date Completed:

Frame: F3   **Responsible Party:** Utility

Script ID: IN-SRCMEIUTIL03

Transaction: 810 Single Retailer EURC Calendar Month Estimate Invoice
Description: Utility creates and transmits 810 Single Retailer EURC Calendar Month Estimate Invoice to E/M. Transaction will contain an invalid utility customer account number, or other agreed upon error that will result in an 824 Application Advice reject response from the E/M.

Expected Results:
- The Utility successfully transmits the 810 Single Retailer EURC Calendar Month Estimate Invoice to E/M.
- A 997 transaction is received from the E/M to acknowledge receipt of the valid X12 transaction.

Actual Results:

Date Completed:

Frame: F4   **Responsible Party:** E/M

Script ID: IN-EM03AA

Transaction: Application Advice
Description: E/M creates and transmits 824 Application Advice (Reject) to the Utility

Expected Results:
- The E/M 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: