

## **Appendix D: Maine EBT Test Plan Requirements**

### **Introduction**

The purpose of the EBT Test Plan is to provide an overview of the certification and testing process and generally describe test conditions that Competitive Electricity Suppliers and Transmission & Distribution Companies will use to verify their customer transactions and EDI interfaces. Each T&D will maintain and publish a set of test transactions for each transaction set on the T&D web site.

Each Supplier and Distribution Company must successfully execute all transaction sets of the test plan before the Supplier will be allowed to enroll customers with the Distribution Company, unless otherwise modified in the Supplier Agreement. Also, in order for the Supplier to receive historical usage, the Supplier needs to successfully complete testing of the 814-10 and will receive back from the Distribution Company the 867.

The test plans are not intended to exercise every conceivable transaction condition, but it will cover the most common scenarios and enough error conditions to demonstrate basic transaction processing and transaction error handling. The test plans cannot anticipate limitations that exist within trading partners' systems, so trading partners may agree to perform additional testing or to add/modify transactions in order to cover special conditions. The test plans are not a substitute for internal testing of trading partners' systems. Each trading partner is responsible for conducting thorough testing of internal systems to ensure that all transaction processing is accurate.

### **Test Constraints**

There are certain transactions that cannot be fully tested in the context of the test plans because they require special handling and/or the involvement of a third party. These transactions can be generated by the test, but they can only be verified by manual inspection and should not be transmitted. Specifically, these transactions are:

1. Daily Load Settlement (via e-mail)
2. Transfer of Funds via ACH or other methods
3. Standard Offer payment remittance

**Test Condition Descriptions**

Each T&D test plan will have conditions for all transaction types, including all transaction sets:

**T&D:** Transmission & Distribution Utility    **NS:** New Competitive Electricity Supplier  
**ES:** Existing Competitive Electricity Supplier    **OS:** Old Competitive Electricity Supplier

<b>EDI Category</b>	<b>Format</b>	<b>Business Process</b>	<b>Flow</b>
814 Account Administration	814-1	Enroll Customer	NS →T&D
	814-2	Change Supplier Company Data	ES →T&D
	814-3	Change T&D Company Data	T&D →ES
	814-4	Successful Enrollment	T&D →NS
	814-5	Customer Move	T&D→ES
	814-6	Error	T&D↔NS/ES
	814-7	Customer Drops Supplier	T&D →OS
	814-8	Supplier Drops Customer	ES →T&D
	814-9	Confirm Drop Date	T&D →ES
	814-10	Request Customer History	ES/NS→T&D
	814-11	Change Confirmation	T&D↔ES
	814-12	Cancel Pending Drop	ES → T&D
	814-13	Confirm Cancel Drop	T&D → ES
810 Monthly Usage/Billing	810-1	Customer Usage Information - (Separate (Dual) Billing)	T&D →ES/OS
	810-2	Customer Usage & Billing Information - (T&D Consolidated Billing)	T&D →ES/OS
820 Payments & Corrections	820-1	Customer Payment/Payment Corrections	T&D →ES/OS
867 Historical Usage Request	867-1	Historical Customer Usage Response (12 months)	T&D →NS/ES
824 Response	824-1	Error for Non 814 Transactions	ES/NS→T&D
997 Functional Acknowledgment	997	Functional Acknowledgment (except on 997s)	Both Ways

**Electronic-Mail Transaction**

Settlement	E-mail	Aggregate Load Estimates of CES	T&D → ES/OS
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### **Presentation of Test Transactions**

The test plans for each T&D Utilities are published on their respective web sites. The web addresses are as follows:

- Bangor Hydro-Electric Company [www.bhe.com](http://www.bhe.com)
- Central Maine Power Company [www.cmpco.com](http://www.cmpco.com)
- Maine Public Service Company [www.mainepublicservice.com](http://www.mainepublicservice.com)

### **Test Systems**

Each distribution company and supplier must develop a test environment to support this test plan. These test systems will likely evolve as time goes on (more automation, enhanced features, etc.)

### **EBT Testing Procedure**

This procedure provides CESs and T&Ds with a guide to initiating and successfully completing the EBT Test Plan. This procedure is to be followed for each T&D with which the CES wants to test EDI and/or enroll customers. Also, in order for the Supplier to receive historical usage, the Supplier needs to successfully complete testing of the 814-10 and will receive back from the Distribution Company the 867.

Successful completion of all of the transactions sets of the test plan is required before the T&D will accept enrollment transactions from the Supplier.

### **Step by Step**

1. The Supplier representative (either the Business Contact or Technical Contact) must contact the person identified as the Business Contact for the T&D with which testing is to be conducted. This contact must be made at least two weeks before test files are transmitted to the T&D. The two week lead time is so the Supplier has time to work with the T&D Business Contact to establish the following:
  - 1) A mutual understanding of the Test Plan conditions and requirements (refer to EBT Test Plan)
  - 2) Test rates and pricing structures in the T&D test system
  - 3) Test mailboxes and passwords or alternate method of file exchange
  - 4) Specific test data (customer account numbers, utility-specific conditions and options, dates, etc.)
  - 5) Set schedule for transmitting test data and conducting the test(s)
2. Supplier transmits test files in EDI ANSI X12 4010 format according to Utility specific plan and according to the agreed schedule. Supplier notifies the T&D Business Contact when files have been transmitted. The T&D Business Contact or Technical Contact will provide prompt notification of any problems encountered with

the input files.

3. The T&D will process Supplier input files and send result files according to the schedule. Supplier should process each file through its test system according to the test schedule. Promptly notify the T&D Business Contact of any problems.
4. The Business Contact and Technical Contact for each party will review the results of their individual test files. This review will ensure 1) that test results are consistent with internal requirements, 2) that the intent of the EBT Test Plan is fulfilled, and 3) that any deviations from the expected results are identified and do not jeopardize the quality of the test.
5. Any re-test of a transaction must be rescheduled with the appropriate business or technical contact prior to sending any files.
6. The test is considered to be successfully complete when the Business and Technical Contacts for both the Supplier and T&D sign off on the test results. The test can be rescheduled and rerun as many times as necessary to provide the reviewers with the confidence to sign off. The Business Contact for each party should keep a record of the test acceptance (paper/fax or electronic) – see Attachment 1.

**EBT Test Procedure Attachment 1: Test Acceptance Form**

The undersigned agree that [supplier company] and [T&D] have successfully completed electronic interchange testing on [date].

Subject to finalization of service agreements between [supplier] and [T&D] and fulfillment of all other registration requirements as directed by the Maine Public Utilities Commission. [supplier] may submit customer enrollment transactions electronically to [T&D] beginning on [date]. [supplier] may submit customer usage request transactions electronically to [T&D] beginning on [date].

All Transaction Sets Successfully Tested : All (circle)

List Exceptions, Transactions not Tested: \_\_\_\_\_

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Supplier Company: \_\_\_\_\_

Supplier Business Contact Signature: \_\_\_\_\_

Date of Test Acceptance: \_\_\_\_\_

Supplier Technical Contact Signature: \_\_\_\_\_

Date of Test Acceptance: \_\_\_\_\_

Distribution Company: \_\_\_\_\_

Distribution Company Business Contact Signature: \_\_\_\_\_

Date of Test Acceptance: \_\_\_\_\_

Distribution Company Technical Contact Signature: \_\_\_\_\_

Date of Test Acceptance: \_\_\_\_\_