February 8, 2002
DRAFT Version 1.54

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New Jersey

Gas Certification Testing Plan

For

Electronic Data Interchange

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		Summary of Changes
August 6, 2001 Version 1.2		Initial document conversion from Excel document to Word document Including changes recommended at July 9, 2001 GDC meeting. Added Sections: o Notes o Purpose of Test o Assumptions o State Certification Moderator o Test Plan Components o Connectivity Test/ Internet EDI (GISB) o Overview of Testing Process
August 21, 2001 Version 1.3		Updated document for changes agreed to at August 16, 2001 meeting Removed GISB Assumptions and Summary of Failures sections Modified formats to be consistent throughout document
January 4,2002 Version 1.4		Modified document to reflect the fact that there will not be a State Certification Moderator.
February 8, 2002 Version 1.5		Modified document to clarify test criteria, for account maintenance, under level 2 testing section

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		Notes
		• This document does NOT supercede any New Jersey Board of Public Utilities (BPU) orders or GDC settlements.
		• The *Electronic Data Exchange and Protocol Process Flows for Gas Deregulation in the state of New Jersey*, which is BPU approved, documents the data exchange method and business rules used by the various gas GDCs. The rules contain in this document describe the EDI testing rules and processes.
Use		• At Implementation of Gas EDI in New Jersey • When a new ESP begins do business in an GDC's territory • At some time after Implementation of Gas EDI in New Jersey the State Certification Moderator will be unavailable. The ESP should transmit the "Level 1 Certification Signoff Worksheet" section to the GDC. The GDC is not required to transmit the "Level 1 Certification Signoff Worksheet" section to the ESP since the GDC is presumably in production with other ESPs.
GDC Definitions:		• The term GDC (Gas Distribution Company) in this document refers to the Gas GDC.
ESP Definitions:		• The term ESP (Energy Service Provider) in this document refers to the gas supplier.
GISB Definition;		• Gas Industry Standards Board ("GISB") Electronic Delivery Mechanism (EDM)
BPU		• New Jersey Board of Public Utilities
Internet EDI		• Transport of EDI over Internet using GISB
ANSI X12 Or X12		• American National Standards Institute EDI standards.
E'Town		Elizabethtown Gas
NJNG		New Jersey Natural Gas
SJG		South Jersey Gas
PSE&G		Public Service Electric and Gas

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Purpose of this Test Plan

The first goal of this Test Plan is to define objective criteria for a Company to validate that it is creating EDI transactions that adhere to defined State standards.
The second goal of this Test Plan is to define objective criteria for a Supplier and a GDC to move into a production environment and begin trading. This objective focuses on the process of testing Supplier's systems so they may begin trading with already tested GDCs.
The third goal of this Test Plan is to define objective criteria for a Company to validate that it is executing business processes as defined by State consensus plans. This objective focuses on testing both GDCs and ESPs, and this type of testing will be conducted only at major upgrades.

Assumptions

- This test plan is designed to test the documents that trading partners must exchange with each other. It includes tests of 'EDI transactions', 'business processes', and 'communications'.
- This test plan assumes that participants will use automated processes when testing. A number of the scenarios require manual interaction. All other manual interaction required to complete testing must be documented by the testing partners. These must be communicated to testing partners at the beginning of the testing cycle.
- When a Supplier uses a third-party system and maps that have already been tested with a specific GDC, the testing process may be streamlined, at the discretion of the GDC. As long as all billing options the new Supplier wishes to test have been certified, only one transaction test is required to receive certification. This will ensure that the Supplier/GDC Trading Partner Profile is correct.
- Any trading partner disputes that cannot be resolved between trading partners should be escalated to BPU staff.
- Each test plan scenario will begin with a new enrollment, using a different test account number than was used in enrollment testing, thus, ESPs must send new enrollments for all defined billing scenarios.
- The BPU retains final call on all levels of 'trading partner certification', including the ability to certify a party as Level 2 certified and able to go into production.
- BPU may moderate testing.
- Test of Internet EDI will be performed with a sample of one outbound production file per trading partner.

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BPU Staff

The following points describe the role and functions of BPU staff:

- Trading partners will attempt to resolve any issues between themselves.
- Issues will be resolved promptly and in order to do so, parties agree to resolution of disputes by BPU Staff
- Unresolved issues will be brought to BPU Staff
- Unresolved issues may include non-compliance with ANSI X12 or oversight to determine if testing should continue.
- BPU Staff will have a utility and supplier EDI expert to draw upon for advice.
- Determine results of testing procedure if disputed.
- May moderate or monitor daily testing conference calls between GDCs and ESPs, and communicate testing progress to the BPU.
- Provide a review of ANSI X12 compliance, i.e. proper translation of electronic data as defined by the standards established, as requested by trading partners.
- Assist GDCs in development of GDC FAQs, as requested.
-
- Work with the business and technical working groups to develop, document, and distribute the EDI Testing.

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Test Plan Components

Two Levels of Certification

- Level 1/X12 & Internal: Sample Transactions in X12 format are Certified by the trading partner , and the Level 1 Certification Signoff Worksheet is completed, including verification that internal testing was completed.
- Level 2/Core: 'Core' tests are completed with trading partners to demonstrate compliance with business processes and EDI standards as defined by the state data protocol/exchange Working Group.

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Level 1 (L1)/X12 & Internal

The Level 1 (L1) certification is the preliminary review of sample EDI transactions in X12 format, and the completion of the Testing Signoff Worksheet, including signoff on the completion of internal testing, see Appendix A. Each party is required to submit to their trading partner(s) a sample, using their own internal test data, of each transaction they will be sending, including both Reject and Accept samples for response transactions. L1 certification must be achieved prior to beginning testing with trading partner(s). For ESPs, the date they are L1 certified establishes that Supplier's testing priority with GDCs. L1 certification is awarded by trading partner(s).

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The table of required transactions is in Appendix A section "Level 1 Certification of X12 Transaction Samples".

L1 tests are conducted between trading partners. Trading partners L1 certify each other. L1 certification decisions by trading partners can be overruled by BPU. BPU moderates L1 testing and certification.

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Level 2 (L2)/Core Certification

The L2 test must be completed to achieve Production status with its trading partner. L2 includes two components:

- Test Connectivity/Internet EDI test to insure that GDC and ESP can exchange EDI over the Internet see section "Connectivity / Internet EDI (GISB)".
- Test GDC and ESP ability to create and process EDI transactions as per the business processes as defined by the "Electronic Data Exchange and Protocol Process Flows for Gas Deregulation in The State of New Jersey". This is demonstrated by successfully completing the steps documented in Appendixes D, F, and G.

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- L2 tests are conducted between trading partners. Trading partners L2 certify each other. L2 certification decisions by trading partners can be overruled by BPU. BPU moderates L2 testing and certification.
- The trading partner agreement must also be completed in territories where it is required.

Frames

Each frame represents activity that must be completed by a trading partner. Each frame typically ends with a set of transactions being sent to the other trading partner.

For example, Frame 3 has the Supplier generating changes and drops to send to the GDC, and the GDC generating drops, changes, usage, and Rate Ready invoices where appropriate, to the Supplier. Frame 5 has the GDC generating a reinstatement, missed bill window (MBW) application advices, and payment.

Term 'Frame' was chosen to eliminate 'day', 'month' confusion. Some frames (e.g. 814) are a production day; other frames (e.g. 867/810) are a production month. Frames in testing should take 2 to 3 days.

Synchronization/Batches

The GDC has the option to test ESPs in 'batches', synchronizing all ESPs' movement through the frames. All ESPs move from one frame to the next frame together. Any ESPs that cannot 'keep up' with the other ESPs in a 'batch' are moved to the next 'batch'
GDCs will document their test schedule in the FAQ, including when they will start a testing batch.

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Connectivity Test/ Internet EDI (GISB)

See "New Jersey Retail Choice Internet EDI Plan For Electric and Gas" Document for additional information on this topic.

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Testing Assumptions

1. The Internet EDI will be performed with a sample of one outbound production file per trading partner.
2. Each party will provide a contact and an email address to which manual and automated protocol and exchange failure messages are sent.
3. Each Supplier will maintain the pace of the test batch as published by the GDC, or risk being removed from the test batch.
4. Each GDC will add Internet EDI items to their FAQ, including protocol and exchange failure process and contacts, and test exceptions.

Testing Goals

1. Establish Internet EDI connectivity between trading partners, including HTTP connections and encryption compatibility.
2. Validate that normal production EDI files can be sent.
3. Validate that X12-compliant transaction data payloads are being delivered after decryption.
4. Validate that HTTP and X12-compliant 997 functional acknowledgements are being delivered.
5. Validate that protocol failures are handled properly.
6. Validate that exchange failures are handled properly.
7. Validate that encryption/decryption failures are handled properly.

Testing Process

1. The GDC will notify the Supplier with the date they will begin testing.
2. The GDC will conduct a kickoff testing discussion. The kickoff discussion should include identification by each party of what production exchanges will be captured and sent for testing. The test should be completed in approximately one week.

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3. Each trading partner will identify which files will be/were captured for testing purposes. Each party will modify their production file by changing the ISA information to indicate that this is a test file, including the sender and receiver information, and the ISA13 production/test flag. Each party will indicate how the file will be modified in the initial kickoff meeting and the testing profile.
4. Each party will send these files to the other party through Internet EDI, and notify the testing contact of the trading party that the files were sent.
5. Each trading partner should run these files through their translator to confirm that the files were not corrupted. The files may be processed further, however this is not required
6. Each trading partner will simulate a protocol failure, triggering the appropriate automated notices to the identified trading partner contacts.
7. Each trading partner will simulate an exchange failure, triggering the appropriate automated and manual notices to the identified trading partner contacts.

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Overview of Testing Process

Requirements of Testing Parties

- In order to allow adequate planning, ESPs and GDCs must communicate before, during, and after testing in a mutually agreeable fashion.
- GDCs must know what services they will be expected to provide to each supplier both in testing and production.
- GDCs and ESPs must cooperate to identify and resolve EDI-related computer system problems.
- As referenced below, a GDC may be dealing with several ESPs concurrently, thus the GDC must maintain sufficient resources to provide the necessary information, communicate problems, and coordinate the test schedule.
- Setting up the testing requires the GDC to establish a set of accounts with the necessary testing information for each supplier with which they are testing.
- These test accounts must be provided to each testing supplier.
- To facilitate communication between parties, GDCs and ESPs will compile and publish a list of Frequently Asked Questions (FAQ) prior to testing.

Level 1 Certification Process

1. Read and understand the "Electronic Data Exchange and Protocol Process Flows for Gas Deregulation in The State of New Jersey", EDI implementation guides, and this test plan.
2. Complete internal testing.
3. Send to trading partner(s) your completed 'Level 1 Certification Signoff Worksheet' see Appendix A, documenting non-compliances, testing exceptions, manual processes, test support procedures, billing scenarios supported, internal testing, and your understanding of your responsibilities.
4. Submit required EDI X12 samples to trading partner(s)for L1 certification. See Appendix A, 'Level 1 Certification of X12 Transaction Samples' for list of required transactions.
5. Receive L1 certification from trading partner(s).

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Level 2 Certification Process

Prior to Level 2

1. Must be Level 1 certified.
2. Implement and maintain a test system.
3. Provide trading partner information to other party.
4. Conduct Connectivity Test.
5. Send Trading Partner 'Level 1 Certification Signoff Worksheet' see Appendix A.

ESP

1. Must be licensed by BPU.
2. Identify the billing scenarios used with each GDC.
3. Read GDC's FAQ prior to testing.
4. Signs Confidentiality Agreement if required by GDC
5. Notifies the GDC of readiness to begin testing.

GDC

1. Have a Kickoff Meeting with the ESPs in the test.
2. Send Account number to the ESPs.
3. Notifies the ESP of the date they will begin testing.

During Level 2

1. Participate in daily testing conference calls
2. Follow the test scenarios appropriate to billing type selected by ESP (Dual, LDC Consolidated) and Billing option offered by GDC (Rate Ready or Bill Ready) as defined in Appendixes D, F, and G.
3. 'Keep-pace' with the Test.

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After Level 2

1. Notify other party of certification and copy BPU Staff.
2. Notify GDC of any major changes to EDI-related production systems.

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A - Level 1 Certification Signoff Worksheet

The Level 1 Signoff Worksheet section must be completed and sent to each trading partner. All GDCs and ESPs prior to beginning testing with other trading partners must complete the following 'pre-certification' tasks:

- Known Non-Compliances
- Exceptions to the Test Plan
- Manual Processes to be Used in Testing and Production
- Pre-Certification of X12 Transaction Samples
- Internal Testing Signoff
- Understanding Your Responsibilities

License Number:
Company Name:
Contact Name:
Contact Signature:
Contact Email:
Contact Phone:

Known Non-Compliances

Document any known non-compliant transactions or business processes your company is operating with. Add rows if necessary.

Description of Non-compliance and Transaction Affected	Expected Date of Compliance

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Exceptions to the Test Plan

Document any exceptions you will make to the test plan. Add rows if necessary.

Description of Test Plan Exception	Account/Scenarios

Manual Processes to be used in Testing and Production

Document any manual processes you will be using to supplement the EDI automated processes. Add rows if necessary.

Description of Manual Processes

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Level 1 Certification of X12 Transaction Samples

The following table and a sample of each transaction's EDI produced by your company's EDI system must be forwarded to each trading partner in a manner agreed to by trading partner.

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1. TRANSACTIONS SAMPLES REQUIRED FROM A GDC

Transaction Sample Required	Comments or Exceptions
814 Enrollment Response	
814 Change	
814 Change Response	
814 Drop	
814 Drop Response	
814 Reinstatement	
867 Historical Usage	
867 Monthly Usage	
810 Invoice / Rate Ready to ESP/ Bill Ready to ESP (when appropriate)	
820 Payment	
824 Application Advice	

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2. TRANSACTIONS SAMPLES REQUIRED FROM A ESP

Transaction Sample Required	Comments or Exceptions
814 Enrollment	
814 Change	
814 Change Response	
814 Drop	
814 Drop Response	
814 Reinstatement Response	
810 Invoice / Bill Ready to GDC (when appropriate)	
820 Payment (when appropriate)	
824 Application Advice (when appropriate)	

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Internal Testing Signoff

You are required to explicitly sign-off that you have completed internal testing of your system for the following scenarios. Please enter the date that you have completed the test, or expect to complete the test, and any exceptions to the list.

1. INTERNAL TESTS TO BE DONE BY GDCs

Internal Test Description	Comments or Exceptions
Enrollment, Tax Exemption, Bill=RR - For Rate Ready GDCs, test receiving an enrollment with a tax exemption.	
Enrollment, Fail=Contract Effective date in the future - Test creating a reject enrollment response when the contract effective date is in the future	
Enrollment, Fail=Invalid Consolidated Billing Option - Test creating a reject enrollment response for a consolidated billing option you do not support.	
Enrollment, Fail=Invalid data from ESP - Test creating a reject enrollment response when you receive invalid data from an ESP	
Enrollment, Fail=Required data missing from ESP - Test the ability to send a reject enrollment response when required data is missing	
Hist Usage Request, Fail=Not Available - Test creating a reject enrollment response when Historical Usage is not available.	
Invoice, Account not valid from Bill Ready ESP - Test receiving an 810 with an Account that is not the ESPs, or the number is not valid. - Test creating an 824 with error code not ESP of record.	
Invoice, Dates from ESP don't match 867 - Test when a ESP sends you an 810 where dates don't match the corresponding 867. Not valid for PSEG or SJG.	

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Internal Test Description	Comments or Exceptions
Invoice, Invalid Data from Bill Ready ESP other then dates not matching - Test receiving an 810 with invalid data	
Invoice, Multiple Months out of sequence from Bill Ready ESP - For Bill Ready GDCs, test receiving an 810 for Month 2 prior to the 810 for Month 1. Not valid for PSEG.	
Reinstatement, Multiple Meters - Test creating an 814r with multiple meters.	
Remittance, BPR02 Total = $0 - Test creating an 820 when the 820 total is less than or equal to 0 dollars, and BPR02 is zero.	
Stress test –Test receiving 2.5% of total Gas customers' enrollments in a day.	

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2. INTERNAL TESTS TO BE DONE BY ESPs

Internal Test Description	Comments or Exceptions
Enrollment Response, Fail=Invalid data from GDC - Test receiving an Enrollment Response when a GDC rejects your Enrollment for invalid data.	
Enrollment Response, Fail=Required data missing from GDC - Test receiving an Enrollment Response when a GDC rejects your Enrollment when required data (e.g. Contract Effective Date) is missing.	
Change by GDC, Fail= GDC Acct # not a customer of ESP - Test when you receive a change from the GDC when that Acct is not your customer	
Reinstatement, Fail=Invalid Date from GDC - Test receiving an invalid Reinstatement date from a GDC	
Reinstatement, Multiple Meters - Test receiving a reinstatement with multiple meters	
Usage/Interval, Fail=Account not valid from GDC - Test receiving an 867 with an Account that is not yours	
Usage/Interval, Fail=Invalid data from GDC - Test receiving an 867 with invalid data	
Usage/Interval, Fail=Required data missing from GDC - Test receiving an 867 with required data missing	
Invoice, Fail=Account not valid, Bill=RR - For Rate Ready, test receiving an 810 with an Account that is not yours, or the number is not valid.	
Invoice, Fail=Invalid Data, Bill=RR - For Rate Ready, test receiving an 810 with invalid data	
Invoice, Bill=RR, Tax Exempt percentage from Rate Ready GDC - Test receiving an 810 that has tax exemption applied to it.	
Remittance, BPR Total = 0 Dollars - Test receiving an 820 when the 820 total is less than or equal to 0 dollars, and BPR02 is zero.	

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Internal Test Description	Comments or Exceptions
Stress Test –Test receiving >= 5,000 enrollment responses in a day.	

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Understanding Your Responsibilities

Please review the list below and document any exceptions or comments. Submitting this worksheet implies understanding with the item unless noted.

1. BOTH GDC and ESP

Understanding	Comments or Exceptions
I understand testing includes 'EDI transactions', 'business processes', 'data dictionary', and 'communications'	
I understand that there should be minimal data manipulation by humans, and only where required, and I will document areas where manual processing/manipulation will be used	
I understand that the BPU/PUC retains final call on all levels of 'trading partner certification', and that they will moderate testing.	
I understand that I must complete Level 1 certification of my transactions prior to beginning testing with any trading partners.	
I understand that I must document any areas where I am not compliant with the Consensus Plan, and dates for when I will be compliant	
I understand that I am to have a dedicated test system in place during testing.	
I understand that I must provide trading partner EDI information to my trading partners prior to beginning testing with that trading partner.	
I understand that I must send 997/Functional Acknowledgements for all tests.	
I understand that I must document any scenarios of the test plan that I will NOT test (exceptions)	

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2. GDC ONLY

Understanding	Comments or Exceptions
I understand that I must conduct daily test teleconferences with all ESPs that I am in testing.	
I understand that I must provide all ESPs account numbers.	
I understand that I must maintain an FAQ documenting frequently asked questions and answers for my Choice EDI environment.	

3. ESP ONLY

Understanding	Comments or Exceptions
I understand that I will notify the GDC of billing scenarios (Dual, Rate Ready, Bill Ready) I am using.	
I understand that I must be licensed prior to beginning testing with any GDCs.	
I understand that I must keep up with the established test schedule of the GDC while in testing	
I understand that I must participate in daily teleconferences conducted by the GDC while in testing.	
I understand that I must send price schedules to Rate-Ready GDCs prior to testing with those GDCs.	

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B - Enrollment Request Field Assignments for Billing and Metering Scenarios

	GDC Provides Meter Services			
	Separate 'Dual' Bills	**GDC Rate Ready Bills**	**GDC Bill Ready Bills**	**ESP or 3rd-Party Bills, See Process Flow Document for GDC spec's.**
Bill Type (REF*BLT)	DUAL	GDC	GDC	ESP
Bill Calculation Method (REF*PC)	DUAL	GDC	ESP	DUAL
% Tax Exempt (AMT*DP)	N/A	Provide valid value	N/A	N/A
ESP Rate Code (REF*RB)	N/A	Provide valid value	N/A	N/A

C - Supported Billing Options by GDC

	Dual Billing	**GDC Rate Ready Billing**	**GDC Bill Ready Billing**	**ESP, See Process Flow Document for GDC spec's.**
Elizabethtown	Y	N	Y	N
New Jersey Natural Gas	Y	Y	N	N
South Jersey Gas	Y	N	Y	N
PSE&G	Y	N	Y	N

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D - Test Scenarios and Accounts

Primary Test Goals	Rate Ready Acct #	Bill Ready Acct #
Account Maintenance		
Invalid Accounts - Test an enrollment of an invalid account number with a Historical Usage request.	1	[Same a
Enroll+Hist Usage - Test an enrollment of a multi-meter account, dual bill option, with a Historical Usage (HU) request, (HU either in the same 814e transaction as the Enrollment itself, or as a separate 814e transaction).	2	[Same a
ESP Change - • Test an enrollment of a Combine meter account,dual bill option, with a Historical Usage request, (HU either in the same 814e transaction as the Enrollment itself, or as a separate 814e transaction). • Post enrollment acceptance, test an ESP initiated change	3	[Same a
GDC Change - • Test an enrollment of a single meter account, dual bill option, with at least 12 months of historical usageand aHistorical Usage request, (HUeither in the same 814e transaction as the Enrollment itself, or as a separate 814e transaction) Post enrollment acceptance, test a GDC initiated change PSE&G - Account Number Change (refolio). NJNG – Read cycle change	4	[Same a
ESP Drop - • Test an enrollment of a single meter account,dual bill option with less then 12 months of historical usage and a Historical Usage request, (HU either in the same 814e transaction as the Enrollment itself, or as a separate 814e transaction). • Post enrollment acceptance, test an ESP initiated drop.	5	[Same as RR]
GDC Drop, Reinstatement - • Test an enrollment of a single meter account, dual bill option and a Historical Usage request, (HU either in the same 814e transaction as the Enrollment itself, or as a separate 814e transaction). • Post Enrollment acceptance, test a GDC initiated Drop and a subsequent reinstatement	6	[Same as RR]

Primary Test Goals	Rate Ready Acct #	Bill Ready Acct #
Dual Billing		
Dual Bill, Mtr=Multiple, Cancel/Restate 1 Month - Test an account with multiple meters, Dual billing, and Usage that is then cancelled and restated. (reference RR Acct #2 under Account Maintenance)	7	[Same as RR]
Dual Bill, Mtr=Combine - Test an account with interval meters, through Usage. (reference RR Acct #3 under Account Maintenance)	8	[Same as RR]

Primary Test Goals	Rate Ready Acct #	Bill Ready Acct #
GDC Rate Ready and Bill Ready Consolidated Billing		
Cons Bill, Mtr=Multiple, Remittance, Payment - Test an account with multiple meters, Usage, Invoices, and Payment/Remittance. Payment is via the ACH system; Bill Ready, test having Account level charges, and message.	9	14
Cons Bill, Mtr=Single, Remittance w/ Adjust - Test an account with both demand and consumption, and where the remittance has an adjustment; in Rate Ready, test having charges in the 810 Rate loop	10	15
Cons Bill, Mtr=Single - Test an account with a single meter through usage and invoicing; in Bill Ready, test the Missed Bill Window scenario.	11	16
Cons Bill, Mtr=Unmetered - Test an account with unmetered service through usage and invoicing, in Bill Ready, test the bad 810 scenario NJNG – Test bad 810, exclude meter number in SAC15	12	17
Cons Bill, Cancel/Restate (C/R) 1 Month - Test an account where the usage and invoice had to be cancelled and restated.	13	18
ESP Drop, Bill Month 1, cancel/rebill after drop date, Mtr=Single - Test an account where customer is dropped and then a cancel/rebill occurs for a period when ESP was active ESP.	19	[Same as RR]
Cons Bill, Bill Month 1, Cancel/Restate (C/R) 2 Months, Mtr=Single - Test an account where the usage and invoice had to be cancelled and restated for a multi-month period.	20	[Same as RR]
Total Number of Accounts	15	15

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E - Summary of Required Accounts

# of Accounts		Account specs
Rate Ready	Bill Ready	
1	1	Account not in GDC's system
1	1	Single meter account with at least 12 months usage
1	1	Single meter account with less then 12 months usage
8	8	Single meter account
2	2	Multi-meter account
1	1	Unmetered Account
1	1	Combine
15	***15***	***Total***

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F - Summary Of Frames

Transaction	Who Sends	Test Condition Description
FRAME 1		
		All
814E	ESP	To attempt to enroll an accounts with valid and invalid account numbers. Appropriate accounts with a secondary service request for historical usage. Test Account #1 invalid, #2-20 valid. Historical Usage Request Test Accounts #1- 6 Energy Consultant where applicable Test Accounts #1 - 6 &17
FRAME 2		
		All
814ER	GDC	To ensure that GDC accepts/rejects the appropriate Enrollments. Test Accounts #1-20, Test Account #1 rejected, #2-20 accepted
814HUR	GDC	To ensure that GDC accepts the historical usage request. Test Account #1 rejected, #2-6, 17 accepted
867HU	GDC	To ensure that GDC provides the ESP with historical usage. Test Accounts # 2-6, 17 Energy Consultant Where applicable

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Transaction	Who Sends	Test Condition Description
FRAME 3		
		Account Maintenance
814C	ESP	To attempt to change the billing option (if ESP practices bill ready) or ESP account number (if dual) for a customer. Test Account #3
		ESP must send an 814C to GDC.
814C	GDC	To attempt to change an GDC account number. Test Account #4
		The ESP will receive an 814C from GDC.
814D	ESP	To simulate a drop request from a ESP. Test Account #5, 19 (GDC Consolidated Billing only)
		The ESP will send an 814D to GDC.
814D	GDC	To simulate a drop request from GDC. Test Account #6
		GDC will send an 814D to the ESP.

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Transaction	Who Sends	Test Condition Description
		Dual Billing
867MU	GDC	To provide dual bill usage for one month. Test Accounts #7,8
		The ESP will receive an 867MU from GDC.
		GDC Rate Ready Consolidated Billing
867MU	GDC	To provide bill ready usage for one month. Test Accounts #9-13,19,20
		The ESP will receive an 867MU from GDC.
810	GDC	To provide a rate ready invoice. Test Accounts #9-13,19,20 Test Account # Test Account #10 to include a Rate loop charge (if used by GDC)
BILL	GDC	The ESP will receive a printed bill from GDC. Test Accounts #9-12,19,20
		GDC Bill Ready Consolidated Billing
867MU	GDC	To provide bill ready usage for one month. Test Accounts #14-20
		The ESP will receive an 867MU from GDC.

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Transaction	Who Sends	Test Condition Description
FRAME 4		
		Account Maintenance
814CR	GDC	To ensure that GDC accepts the change. Test Account #3
814CR	ESP	To ensure that the ESP accepts the change. Test Account #4
		The ESP will send an 814CR to GDC.
814DR	GDC	To ensure that the drop request is accepted. Test Account #5
		GDC will send an 814DR to the ESP.
814DR	ESP	To ensure that the drop request is accepted. Test Account #6
		The ESP will send an 814DR to GDC.
		Dual Billing
File	ESP	The ESP will validate 867 values (BB loop only!) with a spreadsheet to GDC. Test Accounts #7-8

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Transaction	Who Sends	Test Condition Description
		GDC Rate Ready Consolidated Billing
File	ESP	The ESP will validate 867 values (BB loop only!) with a spreadsheet to GDC. Test Accounts #9-13,19,20
820	GDC	To simulate a payment from the customer. Test Accounts #9-12,19,20
867MU	GDC	To cancel / restate the month(1) usage. Test Account #13
810	GDC	To provide a rate ready invoice. Test Account #13
BILL	GDC	The ESP will receive a printed bill from GDC. Test Account #13
		GDC Bill Ready Consolidated Billing
File	ESP	The ESP will validate 867 values (BB loop only!) with a spreadsheet to GDC. Test Accounts #14-20
810 (1)	ESP	To provide a bill ready invoice. Test Accounts #14-20 - month 1 Invoice for Test Account #16 maybe omitted – if sent GDC must remove before processing 810 in order to generate 824 for account.
867MU	GDC	To cancel the previous month's usage. Test Account #18
867MU	GDC	To restate the corrected usage for the customer. Test Account #18

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Transaction	Who Sends	Test Condition Description
FRAME 5		
		Account Maintenance
814R	GDC	To simulate the reinstatement of the customer account by GDC. Test Account #6
		GDC will send an 814R to the ESP.
		GDC Rate Ready Consolidated Billing
820	GDC	To simulate a payment from the customer. Test Account #13
867MU	GDC	To cancel the month(1) usage. Test Accounts #19,20
		The ESP will receive an 867 cancel from GDC.
867MU	GDC	To provide bill ready usage for month (restate 1). Test Account #19,20
		The ESP will receive an 867 from GDC.
810	GDC	To provide a rate ready invoice. Test Accounts #19,20
BILL	GDC	The ESP will receive a printed bill from GDC. Test Accounts #19,20

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Transaction	Who Sends	Test Condition Description
		GDC Bill Ready Consolidated Billing
BILL	GDC	The ESP will receive a printed bill from GDC. Test Accounts #14-20, Test Accounts #16 to show a bill without ESP charges
		The ESP will notify GDC of any problems with the bill or sign off that the format is correct.
824	GDC	To provide the ESP with an 824 to simulate missed bill window Test Account #16
820	GDC	To simulate a payment from the customer. Test Accounts #14,15,17-20
		The ESP will receive an 820 from GDC
867MU	GDC	To cancel the month(1) usage. Test Accounts #19,20
		The ESP will receive an 867 cancel from GDC.
867MU	GDC	To provide bill ready usage for month (2). Test Account #16
		The ESP will receive an 867 from GDC.
867MU	GDC	To provide bill ready usage for month (restate 1). Test Account #19,20
		The ESP will receive an 867 from GDC.

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Transaction	Who Sends	Test Condition Description
FRAME 6		
		Account Maintenance
814RR	ESP	To ensure that the reinstatement is accepted.
		The ESP will send an 814RR to GDC. Test Account #6
		GDC Rate Ready Consolidated Billing
File	ESP	The ESP will validate 867 values (BB loop only!) with a spreadsheet to GDC. Test Accounts #19,20
		GDC Bill Ready Consolidated Billing
File	ESP	The ESP will validate 867 values (BB loop only!) with a spreadsheet to GDC. Test Accounts #19,20
810 (3)	ESP	The ESP will send a second 810 to GDC reflecting updated balances, including the payment. Test Accounts #19,20 and account #16 month 1 &2 (Missed bill window account) For those GDCs that do not support billing for ESP after Dropped date, TPS should not be sending a 810 to GDC.
FRAME 7		
		GDC Bill Ready Consolidated Billing
BILL	GDC	The ESP will receive a printed bill from GDC with values from the second 810 or restated 1 &2. Test Accounts #16,19,20

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G - Test Conditions by Account

TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
Account Maintenance (Accounts 1-6)				
	Energy Consultant (If able to send 814E else just 814HU) (Where applicable)			
1	814E	1	1	To attempt to enroll an account with an invalid accou request for historical usage. ESP must send an 814E to GDC.
2	814ER	1	2	To ensure that GDC rejects the enrollment. The ESP will receive an 814ER from GDC.
3	814HUR	1	2	To ensure that GDC rejects the historical usage requ
	Energy Consultant (If able to send 814E else just 814HU) (Where applicable)			
4	814E	2	1	To attempt to enroll a multi-meter account with a req and a dual billing option. ESP must send an 814E to GDC.
5	814ER	2	2	To ensure that GDC accepts the enrollment.
6	814HUR	2	2	To ensure that GDC accepts the historical usage rec
7	867HU	2	2	To ensure that GDC provides the ESP with historica

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
	Energy Consultant			(Where applicable)
8	814E	3	1	To attempt to enroll a Combine Metered Account wit with a request for historical usage. ESP must send an 814E to GDC.
9	814ER	3	2	To ensure that GDC accepts the enrollment of a Cor
10	814HUR	3	2	To ensure that GDC accepts the historical usage rec
11	867HU	3	2	To ensure that GDC provides the ESP with historica Metered Account)
12	814C	3	3	To attempt to change the billing option (if ESP practi account number (if dual) for a customer. ESP must send an 814C to GDC.
13	814CR	3	4	To ensure that GDC accepts the change. The GDC will send an 814CR to ESP.

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
	Energy Consultant			(Where applicable)
14	814E	4	1	To attempt to enroll a single-meter account with at le with a dual billing option with a request for historical ESP must send an 814E to GDC.
15	814ER	4	2	To ensure that the enrollment request is accepted. The ESP will receive an 814ER from GDC.
16	814HUR	4	2	To ensure that GDC accepts the historical usage rec
17	867HU	4	2	To ensure that GDC provides the ESP with historica months of data available)
18	814C	4	3	To attempt to change an GDC account number. The ESP will receive an 814C from GDC.
19	814CR	4	4	To ensure that the ESP accepts the change. The ESP will send an 814CR to GDC.

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
	Energy Consultant			(Where applicable)
20	814E	5	1	To attempt to enroll an single-meter account with les with a dual billing option with a request for historical ESP must send an 814E to GDC.
21	814ER	5	2	To ensure that the enrollment is accepted
22	814HUR	5	2	To ensure that GDC accepts the historical usage rec
23	867HU	5	2	To ensure that GDC provides the ESP with historica
22	814D	5	3	To simulate a drop request from a ESP. The ESP will send an 814D to GDC.
23	814DR	5	4	To ensure that the drop request is accepted. GDC will send an 814DR to the ESP.

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
	Energy Consultant			(Where applicable)
24	814E	6	1	To attempt to enroll an account with single meter an The ESP will send an 814E to GDC.
25	814ER	6	2	To ensure that the enrollment request is accepted.
26	814HUR	6	2	To ensure that GDC accepts the historical usage rec
27	867HU	6	2	To ensure that GDC provides the ESP with historica
26	814D	6	3	To simulate a drop request from GDC. GDC will send an 814D to the ESP.
27	814DR	6	4	To ensure that the drop request is accepted. The ESP will send an 814DR to GDC.
28	814R	6	5	To simulate the reinstatement of the customer accou GDC will send an 814R to the ESP.
29	814RR	6	6	To ensure that the reinstatement is accepted. The ESP will send an 814RR to GDC.

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
Dual Billing (Accounts 7-8)				
30	814E	7	1	To attempt to enroll an account with an multiple mete with a request for historical usage.. The ESP will send an 814E to GDC.
31	814ER	7	2	To ensure that the enrollment request is accepted. The ESP will receive an 814ER from GDC.
32	867MU	7	3	To attempt to provide the ESP with dual billing usage GDC will send an 867MU to the ESP.
33	File	7	4	The ESP will validate 867 values with a spreadsheet
34	867MU	7	4	To cancel the previous month's usage.
35	867MU	7	4	To restate the corrected usage for the customer.
36	File	7	5	The ESP will validate 867 values (BB loop only!) wit

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
37	814E	8	1	To attempt to enroll an account with an Combine me The ESP will send an 814E to GDC.
38	814ER	8	2	To ensure that the enrollment request is accepted.
39	867MU	8	3	To attempt to provide the ESP with dual billing usag GDC will send an 867MU to the ESP.
40	File	8	4	The ESP will validate 867 values (BB loop only!) wit

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
GDC Rate Ready Consolidated Billing (Accounts 9-13)				
41	814E	9	1	To attempt to enroll an account with multiple meters option. The ESP will send an 814E to GDC.
42	814ER	9	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
43	867MU	9	3	To provide rate ready usage for one month. The ESP will receive an 867MU from GDC.
44	810	9	3	To provide a rate ready invoice The GDC will send an 810 to ESP The ESP will notify GDC of any problems with the 8
45	BILL	9	3	The ESP will receive a printed bill from GDC. The ESP will notify GDC of any problems with the bi format is correct.
46	File	9	4	The ESP will validate 867 values with a spreadsheet
47	820	9	4	To simulate payment from the customer. ESP will re

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
48	814E	10	1	To enroll an account with a single meter and a GDC The ESP will send an 814E to GDC.
49	814ER	10	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
50	867MU	10	3	To provide rate ready usage for one month. The ESP will receive an 867MU from GDC.
51	810	10	3	To provide a rate ready invoice with charges in the r The GDC will send an 810 to ESP The ESP will notify GDC of any problems with the 8
52	BILL	10	3	The ESP will receive a printed bill from GDC. The ESP will notify GDC of any problems with the bi format is correct.
53	File	10	4	The ESP will validate 867 values with a spreadsheet
54	820	10	4	To simulate a payment from the customer with adjus The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
55	814E	11	1	To attempt to enroll an account with a single meter a option. The ESP will send an 814E to GDC.
56	814ER	11	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
57	867MU	11	3	To provide rate ready usage for one month. The ESP will receive an 867MU from GDC.
58	810	11	3	To provide a rate ready invoice. The GDC will send an 810 to ESP The ESP will notify GDC of any problems with the 8
59	BILL	11	3	The ESP will receive a printed bill from GDC. The ESP will notify GDC of any problems with the bi format is correct.
60	File	11	4	The ESP will validate 867 values with a spreadsheet
61	820	11	4	To simulate a payment from the customer. The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
62	814E	12	1	To attempt to enroll an unmetered and a GDC consc
				The ESP will send an 814E to GDC.
63	814ER	12	2	To ensure that the enrollment request is accepted.
				The ESP will notify GDC if there are any problems o with the transaction.
64	867MU	12	3	To provide rate ready usage for one month.
				The ESP will receive an 867MU from GDC.
65	810	12	3	To provide a rate ready invoice.
				The GDC will send an 810 to ESP
				The ESP will notify GDC of any problems with the 81
66	BILL	12	3	The ESP will receive a printed bill from GDC.
				The ESP will notify GDC of any problems with the bi format is correct.
67	File	12	4	The ESP will validate 867 values with a spreadsheet
68	820	12	4	To simulate a payment from the customer.
				The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
Cancel / Rebill				
69	814E	13	1	To enroll an account with a single meter and a GDC The ESP will send an 814E to GDC.
70	814ER	13	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
71	867MU	13	3	To provide rate ready usage for one month. The ESP will receive an 867MU from GDC.
72	810	13	3	To provide a rate ready invoice. The GDC will send an 810 to ESP The ESP will notify GDC of any problems with the 8
73	File	13	4	The ESP will validate 867 values with a spreadsheet
74	867MU	13	4	To provide rate ready cancel / restate usage for one The ESP will receive an 867MU from GDC.
75	810	13	4	To provide a rate ready invoice. The GDC will send an 810 cancel / restate to ESP The ESP will notify GDC of any problems with the 8

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
76	BILL	13	4	The ESP will receive a printed bill from GDC. The ESP will notify GDC of any problems with the bi format is correct.
77	File	13	5	The ESP will validate 867 values with a spreadsheet
78	820	13	5	To simulate a payment from the customer. The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
GDC Bill Ready Consolidated Billing (Accounts 14-18)				
79	814E	14	1	To attempt to enroll an account with multiple meters bill option. The ESP will send an 814E to GDC.
80	814ER	14	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
81	867MU	14	3	To provide bill ready usage for one month. The ESP will receive an 867MU from GDC.
82	File	14	4	The ESP will validate 867 values with a spreadsheet
83	810	14	4	To provide a bill ready invoice. The ESP will send an 810 to GDC
84	BILL	14	5	The ESP will receive a printed bill from GDC. The ESP will notify GDC of any problems with the bi format is correct.
85	820	14	5	To simulate a payment from the customer. The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
86	814E	15	1	To attempt to enroll an single meter account and a G option. The ESP will send an 814E to GDC.
87	814ER	15	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
88	867MU	15	3	To provide bill ready usage for one month. The ESP will receive an 867 from GDC.
89	File	15	4	The ESP will validate 867 values with a spreadsheet
90	810	15	4	To provide a bill ready invoice. The ESP will send an 810 to GDC
91	BILL	15	5	The ESP will receive a printed bill from GDC with va The ESP will notify GDC of any problems with the bi format is correct.
92	820	15	5	To simulate a payment from the customer for the firs The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
93	814E	16	1	To attempt to enroll an account with a single meter a bill option. The ESP will send an 814E to GDC.
94	814ER	16	2	To ensure that the enrollment request is accepted.
95	867MU	16	3	To provide bill ready usage for one month. The ESP will receive an 867 from GDC.
96	File	16	4	The ESP will validate 867 values with a spreadsheet
97	810	16	4	To provide a bill ready invoice outside of the normal GDC must not process 810 if sent in order to simulat The ESP will send an 810 to GDC
98	824	16	5	To provide the ESP with an 824 to simulate missed
99	BILL	16	5	The ESP will receive a printed bill from GDC.
100	867MU	16	5	The ESP will receive an 867 with a second month's u
101	810	16	6	To provide a bill ready invoice for months 1 & 2 for M The ESP will send an 810 to GDC
102	BILL	16	7	The ESP will receive a printed bill from GDC. The ESP will notify GDC of any problems or sign off

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
	Energy Consultant			(Where applicable)
103	814E	17	1	To attempt to enroll an account with unmetered serv consolidated bill option. The ESP will send an 814E to GDC.
104	814ER	17	2	To ensure that the enrollment request is accepted. The ESP will notify GDC if there are any problems o with the transaction.
105	814HUR	17	2	To ensure that GDC accepts the historical usage rec
106	867HU	17	2	To ensure that GDC provides the ESP with historica
105	867MU	17	3	To provide bill ready usage for one month. The ESP will receive an 867 from GDC.
106	File	17	4	The ESP will validate 867 values with a spreadsheet
107	810	17	4	To provide a bill ready invoice. The ESP will send an incorrect 810 to GDC
108	824	17	4	To provide the ESP with an 824 to simulate an 810 r

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
Cancel / Rebill				
109	814E	18	1	To attempt to enroll an account with a single meter a bill option. The ESP will send an 814E to GDC.
110	814ER	18	2	To ensure that the enrollment request is accepted.
111	867MU	18	3	To provide bill ready usage for one month. The ESP will receive one 867MUs from GDC.
113	File	18	4	The ESP will validate 867 values with a spreadsheet
114	867MU	18	4	To cancel the previous month's usage.
115	867MU	18	4	To restate the corrected usage for the customer.
116	810	18	4	To provide a bill ready invoice. The ESP will send one 810 to GDC.
117	BILL	18	5	The ESP will receive a printed bill from GDC.
118	820	18	5	The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
Cancel Rebill for GDC Consolidated Billing (Accounts 19-20) **(Both Rate Ready (RR) and Bill Ready (BR))**				
119	814E	19	1	To attempt to enroll an account with a single meter a bill option. The ESP will send an 814E to GDC.
120	814ER	19	2	To ensure that the enrollment request is accepted.
121	867MU	19	3	To provide bill ready usage for month(1). The ESP will receive an 867 from GDC.
122	File	19	4	The ESP will validate 867 values with a spreadsheet
122	810	19	3(RR)/4(BR)	To provide a bill ready invoice. The ESP (BR) or GDC (RR) will send an 810 to GDC
123	BILL	19	3(RR)/5(BR)	The ESP will receive a printed bill from GDC with va month(1) 810. The ESP will notify GDC of any problems with the bi format is correct.

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
124	820	19	4(RR)/5(BR)	To simulate a payment from the customer for the firs
				The ESP will receive an 820 from GDC
125	867MU	19	5	To cancel the month(1) usage.
				The ESP will receive an 867cancel from GDC.
126	867MU	19	5	To provide bill ready usage for month (restate 1&2).
				The ESP will receive an 867 from GDC.
127	File	19	6	The ESP will validate 867 values with a spreadsheet
127	810	19	5(RR)/6(BR)	The ESP (BR) or GDC (RR) will send a second 810 updated balances, including the payment.
128	BILL	19	5(RR)/7(BR)	The ESP will receive a printed bill from GDC with va for months (restated 1&2) .

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
129	814E	20	1	To attempt to enroll an account with a single meter a bill option. The ESP will send an 814E to GDC.
130	814ER	20	2	To ensure that the enrollment request is accepted.
131	814D	20	3	To simulate a drop request from a ESP. The ESP will send an 814D to GDC.
132	867MU	20	3	To provide bill ready usage for month(1). The ESP will receive an 867 from GDC.
133	File	20	4	The ESP will validate 867 values with a spreadsheet
134	810	20	3(RR)/4(BR)	To provide a bill ready invoice. The ESP (BR) or GDC (RR) will send an 810 to GDC
135	814DR	20	4	To ensure that the drop request is accepted.
136	BILL	20	3(RR)/5(BR)	The ESP will receive a printed bill from GDC with va month(1) 810. The ESP will notify GDC of any problems with the bi format is correct.
137	820	20	4(RR)/5(BR)	To simulate a payment from the customer for the mc The ESP will receive an 820 from GDC

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TEST CONDITION	EDI DOC	ACCOUNT #	FRAME	TEST CONDITION DESCRIPTION
138	867MU	20	5	To cancel the month (1) usage.
139	867MU	20	5	To provide bill ready restated usage for month 1. Fc not support billing for ESP after Dropped date, 867 v option is changed to DUAL. GDC may need top cha customer in system to have this 867MU g
140	File	20	4	The ESP will validate 867 values with a spreadsheet
141	810	20	5(RR)/6(BR)	To provide a bill ready invoice.
				The ESP BR) or GDC (RR) will send an 810 to GDC do not support billing for ESP after Dropped date the returned.
142	BILL	20	5(RR)/7(BR)	The ESP will receive a printed bill from GDC with va for months (restated 1&2).

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H – Internet EDI Recommended Internal Tests

This is a list of tests that should be conducted by each party prior to testing with a trading partner.

1. Stress Test – Ability to receive large production files from a trading partner.
2. Failure test – Test any automated processes triggered by a protocol or exchange failure.

I – Relevant Sections of the GISB EDM Version 1.4

The following sections of the GISB EDM Version 1.4 are determined to be relevant and controlling for New Jersey's Retail Choice implementation of GISB:

1. In the Section entitled BUSINESS PROCESS AND PRACTICES, Subsection C. Electronic Delivery Mechanism Related Standards, the Sub-Subsection entitled Standards: Standards 4.3.7 through 4.3.15 inclusive.
2. The Section entitled TECHNICAL IMPLEMENTATION - INTERNET EDI/EDM & BATCH FF/EDM, subject to the following modifications and clarifications:
   - 2.1 - Ignore all references to "BATCH FF/EDM", "FF/EDM", "deadlines", "pipelines", and "nominations".
   - 2.2 - In the Data Dictionary For Internet EDI, the Format of the Business Name transaction-set refers to specific 8-character codes which are not relevant for our purposes. The Internet EDI Subgroup will develop a list of relevant codes.
   - 2.3 - Under the Subsection entitled SENDING TRANSACTIONS, Sub-Subsection entitled Client Specifications, the reference to Central Time (Central Standard / Central Daylight) should be changed to Eastern Time (Eastern Standard / Eastern Daylight).
   - 2.4 - Under the Subsection entitled RECEIVING TRANSACTIONS, the Sub-Subsection entitled URL/CGI Implementation Guidelines is informational in nature only and has no force and effect. This Sub-Subsection shall not be construed as to impose any requirements on any GDC or supplier.
   - 2.5 - Under the Subsection entitled RECEIVING TRANSACTIONS, Sub-Subsection entitled Server Specifications, the reference to Central Time (Central Standard / Central Daylight) should be changed to Eastern Time (Eastern Standard / Eastern Daylight).
3. Appendix A of GISB EDM.
4. Appendix B of GISB EDM.

The GISB EDM Version 1.4 is available at http://www.gisb.org.

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J – Internet EDI Sample Test Script

This appendix includes a sample test script. It is provided for information only, and should not be viewed as required.

Tests to be conducted after the trading partners (identified as Host and Trading Partner) have exchanged URL, PGP private key, and X12 ISA/GS information. The test sequence can be initiated from either the GDC or supplier, as agreed by the partners.

Test Event and Acceptance Criteria	Completion Date	Status (Pass/Fail)
1.0 Successful transfer of outbound data from Host's translator to Host's GISB EDM server (Optional test, at the discretion of the testing party) **1.1** Back end system successfully places translated outbound X12 data in the outbound directory on the GISB EDM system. *Compare file in outbound directory to file sent from backend system to validate that they are the same.*		
2.0 **Successful send of large production X12 file from the Host to the Trading Partner** 2.1 Valid X12 test file signed, encrypted, and sent to Trading Partner. *Place the test file in the Host's outbound directory and send the file. Verify with Trading Partner that the file was received and correctly decrypted.* **2.2** Time stamped response received from Trading Partner. V*erify that the file was sent and the timestamp was received.*		
3.0 Successful receipt of upload from a Trading Partner to the Host's GISB EDM server 3.1 X12 file received, decrypted, authenticated, and placed in inbound directory *Look in the Host's inbound directory and verify that the file was received and correctly decrypted.* **3.2** Trading Partner received timestamp with correct status information *Verify with Trading Partner that they received the timestamp.*		
4.0 Successful transfer of inbound data to backend system (Optional test, at the discretion of the testing party) 4.1 Backend successfully retrieves file 4.2 Inbound file successfully run through translator **4.3** Backend system deletes file on GISB EDM system after successful transfer		
5.0 Successful delivery of GISB standard error message to Trading Partner 5.1 Trading Partner sends X12 file with wrong DUNS number in "to" field. *Verify that a timestamp was sent indicating an error in the HTTP header.* **5.2** Trading Partner sends X12 file encrypted with wrong key. V*erify that a GISB standard error file was sent. Contact Trading Partner and verify that they received the error file.*		
6.0 Proper processing of GISB standard error messages received from Trading Partner 6.1 Send file to Trading Partner indicating wrong DUNS number in the "to" field V*erify receipt of a timestamp indicating an error in the HTTP header.* **6.2** Send file encrypted with wrong PGP key to Trading Partner. *Encrypt a test file with a key other than the Trading Partner's public key. Send a test file using the bad key. After the test, make sure to replace the Trading Partner's key.* **6.3** Receive error file from Trading Partner indicating decryption failure. *Verify that a GISB standard error file was received.*		

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Test a GDC dropping an account, then reinstating the account and