

**Maryland Extensible Markup Language
Test Plan and Certification
for
Competitive Gas Supply**

**Version 1.0
July 2011**

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1. Introduction

1.1 Version Control

Version/Date	Description
7/28/2011 Version 1	CGS Original Test Plan

1.2 Purpose of this Test Plan

The first goal of this Test Plan is to define objective criteria by which a competitive gas supplier (“CGS”) may validate that it is creating Extensible Markup Language (“XML”) transactions that adhere to uniform electronic transactions as described by the Maryland Competitive Gas Supply Process and Transaction Standards Manual (“Manual”).

The second goal of this Test Plan is to define objective criteria for a CGS and a gas company (“LDC”) to move into a production environment and begin competitive gas supply operations. This objective focuses on the process of testing CGSs’ systems so they may begin uniform electronic transaction (“UET”) communication with LDCs.

The third goal of this Test Plan is to define objective criteria for a CGS to validate that it is executing business processes as defined by Maryland Competitive Gas Supply Process and Transaction Standards. This objective focuses on testing UET communications between LDCs and CGSs.

1.3 Assumptions

1. This test plan has been developed to assist LDCs and CGSs by providing examples of various transactions that may be certified for testing by each LDC.
2. This test plan is designed to test UETs that CGSs and LDCs must exchange with each other.
3. This test plan assumes that participants will use automated processes when testing. Any manual interaction required to complete testing must be documented and communicated to CGSs at the beginning of the testing cycle.
4. This test plan only addresses electronic XML communication between LDCs and CGSs. It does not test the ability of either the LDC or CGS to render a bill or to validate the bill contents.
5. Each LDC is permitted to test scenarios according to its specific system requirements. The uniform XML Test Plans containing LDC specific system requirements will be made available for CGSs to review prior to testing.
6. The connectivity test will be performed with a sample of one outbound file per CGS.

1.4 Overview of Testing Process

1. The CGS contacts the LDC to indicate their readiness to begin testing.
2. The LDC will notify the CGS of the date testing will begin. The LDC is responsible for facilitating identification of exceptions to testing, by both the LDC and each CGS, as well as coordinating development of the testing schedule on a per-CGS basis.
3. CGS will send test files through an LDC test environment.
4. Each party will send these files to the other party through Internet XML, and notify the testing contact of the LDC or CGS that the files were sent.
5. LDC and CGS shall validate against the XML schema to confirm that files comply with the appropriate schema.
6. After testing has been completed successfully and is XML certified, the LDC will send a formal notice via e-mail.

2. Requirements of Testing Parties

In order to allow adequate planning, the CGS and the LDC must communicate before, during, and after testing in a mutually agreeable fashion. Prior to testing, the CGS shall provide a list of competitive gas supply services to the LDC they are expecting to offer. The LDC and CGS must cooperate to identify and resolve XML-related computer system problems. As referenced below, an LDC may be dealing with several CGSs concurrently, thus the LDC must maintain sufficient resources to provide the necessary information, communicate problems, and coordinate the test schedule. Prior to testing, the LDC will establish and provide a set of accounts with the necessary testing information for each CGS prior to the start of testing.

	CGS	LDC
Prior To Test	<ul style="list-style-type: none"> CGS must be licensed by the Commission, and must have completed all necessary agreements and requirements with the LDC Implement and maintain a test system Provide CGS information to LDC Identify the billing scenarios used with each LDC & notify the LDC of billing options to be tested. (Dual, Bill Ready, or Rate Ready) Identify non-compliance areas, test exceptions, manual processes Obtain test account numbers from LDC Read LDC's detailed documentation and schemas posted on the LDC website prior to testing 	<ul style="list-style-type: none"> Implement and maintain a test system Provide CGS with all necessary agreements and requirements Provide test account numbers to CGS Maintain website testing documentation Identify non-compliance areas, test exceptions, manual processes Establish testing schedule start date
During Test	<ul style="list-style-type: none"> Participate in any required conference calls with each LDC during the test period Keep up with test schedule established by LDC 	<ul style="list-style-type: none"> Facilitate any necessary testing conference calls with CGSs in testing Maintain testing requirements Maintain Test schedule Verify all test scenarios have been completed satisfactorily
After Test	<ul style="list-style-type: none"> Notify LDC of any additional use of XML transactions that were not used in the initial test plan Notify LDC of expected date of first XML transaction request 	<ul style="list-style-type: none"> Notify CGS of XML Certification Maintain testing requirements Notify CGSs of any major change to XML-related supplier web portal and billing systems Testing CGS on additional XML transactions that were requested for use after initial testing Notify CGS of production deployment

2.1 CGS Requirements

1. Review the test plan as available on the Commission and LDC Website.
2. Review each LDC's testing requirements documentation.
3. Contact the LDC and request to be scheduled for testing.
4. Obtain test account numbers and test plan from the LDC. Create and submit UETs according to the test plan for those accounts.
5. Test scenarios for each billing method the CGS will offer.
6. Participate in any required testing meetings held by the LDC.
7. Send UETs according to schedule.
8. Notify, via E-mail, the LDC when the CGS sends UETs. The LDC will notify the CGS when it sends UETs.

2.2 LDC Requirements

1. In the event the LDC completes a major system upgrade which impacts XML processing, LDCs have the option to complete all internal testing before conducting any external testing with CGSs.
2. Communicate a testing schedule to the CGS.
3. Compile testing requirements and schemas specific to each LDC's test and production environment. Information should include URL's, schemas, and error messages.
4. Provide a contact and an email address to which manual and automated protocol and exchange failure messages are sent.
5. Send test account numbers to the CGS.
6. Upon CGS request, provide sample bill prints to CGS testing Rate Ready or Bill Ready consolidated billing scenarios. This may be a sample bill with or without actual CGS test data or a general sample to provide the CGS a sample of the manner in which their charges will be presented on the LDC consolidated bill.
7. Send UETs according to scheduled UET sequence. The LDC will notify the CGS via E-mail when the LDC sends UETs. When the CGS sends UETs, it will notify the LDC via E-mail.

3. Test Plan Components

3.1 Testing Schedule and Priority

The LDC and CGS shall begin enrollment and billing testing on the agreed upon date.

3.2 Certification

Certification is granted to a CGS by an LDC upon successful completion of all required XML testing scenarios. The LDC should notify the CGS via email upon successful completion of XML testing.

3.3 XML Transactions Subject to Testing

All transactions below that will be used by the CGS will be tested by the LDC.

Transaction Name
ACCOUNT_RQST_TO_LDC - (E, D, C, X)
ACCOUNT_RESP
ACCOUNT_RQST_TO_CGS - (S, R, D, T, I, A)
CHARGES_RQST_TO_LDC
CHARGES_RESP
CHARGE_RQST_TO_CGS
CONSUMPTION_RQST
CONSUMPTION_RESP
FINANCIAL DATA
RATECHANGE_RQST
RATECHANGE_RESP
USAGE_DATA
WRITEOFF DATA

Legend: A - Account Number Change, C - Change, D - Drop, E - Enrollment, I - Cut Out in Error, R - Reinstatement, S - Switch, T - Terminate, X - Cancel

4. Overview of Test Scenarios

4.1 Internet Connectivity Testing Scenarios

LDC provides URL internet site in order for the CGS to ensure the username and password is working properly.

Internet Testing Goals

1. Establish Internet XML connectivity for CGSs, including secure internet connections (“HTTPS”).
2. Validate that normal testing XML files can be sent.

4.2 Account Request and Bill Test Plan Scenarios

The test plan scenarios listed below are the foundation for Account Request and billing testing. Each LDC starts with this list and makes adjustments based on their business practices. For example, Bill Ready Utilities will waive all Rate Ready test scenarios. Parties may mutually agree to make exceptions to the test plan based upon the competitive gas supply services to be offered by the CGS. Any changes to test plans should be documented and communicated to CGSs prior to beginning testing.

Billing test scenarios are further categorized by the billing method. All scenarios for a particular consolidated billing method must be tested with any CGS planning to use that consolidated billing method.

4.3 Summary of Test Scenario Categories

Category	Abbr	Description
Account Requests	E, D, C, X	Tests primarily aimed at enrollment, drops, changes and cancels
Charges	C	Tests primarily aimed at charges, rates and usage
Rates	n/a	Tests primarily aimed at rates
Usage	n/a	Tests primarily aimed at usage
Financials	n/a	Tests primarily aimed at CGS remittance information
Write Offs	n/a	Tests primarily aimed at charges returned to CGS
Consumption Requests	n/a	Tests primarily aimed at historical usage

Legend: A - Account Number Change, C - Change, D - Drop, E - Enrollment, I - Cut Out in Error, R - Reinstatement, S - Switch, T - Terminate, X - Cancel

Test scenarios are identified according to the category above.

4.4 Summary of Billing Method Test Scenario Categories

Category	Description
Dual Billing	Tests aimed at the dual billing method, where the both the LDC and the CGS are calculating and sending their own bills to customers.
Rate Ready Consolidated	Tests aimed at the rate ready LDC consolidated billing method, where the LDC is calculating and sending consolidated bills to customers.
Bill Ready Consolidated	Tests aimed at the bill ready LDC consolidated billing method, where both the LDC and CGS are calculating their bills, and the LDC is sending consolidated bills to customers. This may include Budget Billing and Non Budget Billing charges.
CGS Consolidated (Bill Ready)	Tests aimed at the CGS consolidated billing method, where both the LDC and CGS are calculating their bills, and the CGS is sending consolidated bills to customers.

5. Test Scenarios

Actual results will be documented by the testing parties. If actual result is different than expected result, testing will continue until results match expectations.

5.1 Internet Connectivity Scenario

Internet: Connectivity Test				
Test the ability to send an XML UET via the Internet standard protocol.				
Account #:				
Party	UET	Description	Expected Result	Actual Result
CGS	Any	CGS uploads any type of XML file to the LDC to test connectivity. File should have correct header information for the LDC	CGS receives successful message from LDC.	
LDC		LDC responds with an XML file to complete connectivity test	CGS successfully downloads the XML file.	

5.2 Account Request to LDC Scenarios

5.2.1 Failed Enrollment by CGS (E) – invalid account number				Bill:	ANY
Test an enrollment where the account number on the Account Request Transaction cannot be found in LDC's customer database as a valid account number. This enrollment request must be rejected.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Enrollment: Create and upload enrollment request with an account number that does not exist in LDC's customer database	Request File created and uploaded to LDC		
LDC	ACCOUNT_RESP	Enrollment Response: LDC will process request and create a response rejecting the enrollment due to an invalid account number	Response file with –reject code: R0023: Invalid Account Number		

5.2 Account Request to LDC Scenarios – continued

5.2.2 Failed Enrollment by CGS (E) – not first in				Bill:	ANY
Test an enrollment where the account number is valid and an already a pending enrollment for this customer account with another CGS within the account administration window and the enrollment is rejected.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Enrollment: Create and upload enrollment request with an account number that exists in LDC's customer database	Request file: created and uploaded to LDC		
LDC	ACCOUNT_RESP	Enrollment Response: LDC will process request and create a response rejecting the enrollment due to invalid first in	Response file with reject code: R0032: Invalid First In		

5.2.3 Enrollment by CGS (E) within the current account request window				Bill:	ANY
Test an enrollment where the account number is valid and the enrollment is accepted.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Enrollment: Create and upload enrollment request with an account number that exists in LDC's customer database	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Enrollment Response: LDC will process request and create a response accepting the Enrollment	Response file with Effective date and Accepted code: A0001 Accepted.		

5.2.4 Enrollment by CGS (E) outside the current account request window				Bill:	ANY
Test an enrollment where the account number is valid and the enrollment is outside the enrollment window where the result of the enrollment is accepted.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Enrollment: Create an enrollment request with an account number that exists in LDC's customer database and upload it after the enrollment window closes	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Enrollment Response from LDC: LDC will accept the Enrollment	Response file with subsequent Effective date and Accepted code: A0001 Accepted		

5.2 Account Request to LDC Scenarios – continued

5.2.5 Drop by CGS (D)				Bill:	ANY
Test a CGS Drop where the account number is valid and the Drop is accepted.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Drop: Create and upload drop request with an account number currently active with CGS	Request file created and uploaded to LDC DropTermReason to Display S1		
LDC	ACCOUNT_RESP	Drop Response from LDC: LDC will accept the Drop	Response file with Effective date and Accepted code: A0001 Accepted		

5.2.6 Failed Drop by CGS (D) – account is not currently with CGS				Bill:	ANY
Test a CGS Drop where the account number is valid but the customer account is not currently with the CGS and the Drop is rejected.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Drop: Create and upload request with an account number currently not active with CGS	Request file created and uploaded to LDC DropTermReason to Display S1		
LDC	ACCOUNT_RESP	Drop Response from LDC: LDC will reject the request	Response file with reject code R0001 – Account Not Active For This Supplier Accepted		

5.2.7 Change by CGS (C)				Bill:	ANY
Test a CGS Change where the account number is valid and the Change is accepted.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Change: Create and upload request with an account number currently active for CGS	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Change Response from LDC: LDC will accept the Change	Response file with acceptance code A0001 – Accepted		

5.2 Account Request to LDC Scenarios – continued

5.2.8 Cancel by CGS (X)				Bill:	ANY
Test a CGS Cancel where the account number is valid and the Cancel is accepted.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Cancel: Create and upload cancel request with an account number currently active for CGS	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Cancel Response from LDC: LDC will accept the Cancel	Response file with acceptance code A0001 – Accepted		

5.2.9 Failed Cancel by CGS (X) – no pending transaction exists				Bill:	ANY
Test a CGS Cancel where there is no prior transaction and the Cancel is rejected.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Cancel: Create and upload request with an account number not active with CGS, nor enrolled in the current active enrollment window	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Cancel Response from LDC: will be rejected with the Cancel	Response file with reject code R0049 – No Updates to Process		

5.3 Account Request to CGS Scenarios

5.3.1 Drop by LDC (D)				Bill:	ANY
Test a LDC Drop where the account number is valid and the Drop is sent to CGS. This occurs when a Nonresidential Customer requests to terminate their relationship with the supplier.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	ACCOUNT_RQST_TO_CGS	Drop: Create request with an account number currently active with CGS and place on website for CGS to download	Request file created and placed on website for CGS to download. <DropTermReason> displays L4		
CGS	ACCOUNT_RQST_TO_CGS	CGS downloads request file and processes	CGS able to download request file and process		

5.3.2 Termination by LDC (T)				Bill:	ANY
Test a LDC Termination where the account number is valid and the Termination is sent to CGS. This occurs when a customer's LDC service account is closed.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	ACCOUNT_RQST_TO_CGS	Termination: Create request with an account number currently active with CGS and place on website for CGS to download	Request file created and placed on website for CGS to download. <DropTermReason> displays L1		
CGS	ACCOUNT_RQST_TO_CGS	CGS downloads request file and processes	CGS able to download request file and process		

5.3.3 Cutout in Error by LDC (I)				Bill:	ANY
Test a LDC Cutout in Error where the account number is valid and the Cutout in Error is sent to CGS. This occurs when a customer is finaled by the LDC in error and subsequently restored.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	ACCOUNT_RQST_TO_CGS	Cutout in Error from LDC: LDC sends a Cutout in Error	Account RQST to CGS created and sent to CGS "re-established"		
CGS	ACCOUNT_RQST_TO_CGS	CGS downloads request file and processes	CGS able to download request file and process		

5.3 Account Request to CGS Scenarios - continued

5.3.4 Account Number Change by LDC (A)				Bill:	ANY
Test a LDC Account Number Change that is sent to CGS. This occurs when the LDC changes a customer's account number.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	ACCOUNT_RQST_TO_CGS	Account Number Change from LDC: Create a request with an account number currently active with CGS and place on website for CGS to download	Request file created and placed on website for CGS to download		
CGS	ACCOUNT_RQST_TO_CGS	CGS downloads request file and processes	CGS able to download request file and process		

5.3.5 Switch by LDC (S)				Bill:	ANY
Test a LDC Switch where the account number is valid and the Switch is sent to CGS. This UET changes the customer's supplier.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Enrollment: Create and upload enrollment request with an account number that exists in LDC's customer database currently enrolled with a different CGS	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Enrollment Response: LDC will process request and create a response accepting the Enrollment	Response file with Effective date and Accepted code: A0001 Accepted		
LDC	ACCOUNT_RQST_TO_CGS	Switch from LDC: LDC will create a request file to notify original CGS of the termination date of the customer enrolled by new CGS	Request file created and placed on the website for the original CGS		
CGS	ACCOUNT_RQST_TO_CGS	Original CGS downloads request file and processes	Original CGS able to download request file and process		

5.3 Account Request to CGS Scenarios - continued

5.3.6 Switch/Reinstate by LDC (S/R)				Bill:	ANY
<p>Test a LDC Switch/Reinstate where the account number is valid and the Switch and Reinstate is sent to CGS. This UET returns a customer to the original CGS prior to the switch when a new CGS has canceled its enrollment.</p>					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	ACCOUNT_RQST_TO_LDC	Enrollment: Create and upload enrollment request with an account number that exists in LDC's customer database currently enrolled with a different CGS	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Enrollment Response: LDC will process request and create a response accepting the Enrollment	Response file with Effective date and Accepted code: A0001 Accepted		
LDC	ACCOUNT_RQST_TO_CGS	Switch from LDC: LDC will create a request file to notify original CGS of the termination date of the customer enrolled by new CGS	Request file created and placed on the website for the original CGS		
CGS	ACCOUNT_RQST_TO_LDC	Cancel: New CGS creates request for an account enrolled in the same enrollment window	Request file created and uploaded to LDC		
LDC	ACCOUNT_RESP	Cancel Response: LDC will process the request and accept the Cancel	Response file with Effective date and Accepted code: A0001 Accepted		
LDC	ACCOUNT_RQST_TO_CGS	Reinstate Request: LDC will create a request for the original CGS	Account RQST to CGS Request file created and placed on the website for the original CGS		
CGS	ACCOUNT_RQST_TO_CGS	Original CGS downloads request file and processes	Original CGS able to download request file and process		

5.4 Rate Change by CGS Scenarios

5.4.1 Rate Change by CGS (C)				Bill:	Rate Ready
Test customer Usage Data, Rates and Charges information sent from LDC to CGS to be placed on customer's bill for Rate Ready customer.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Data from LDC: Create a request with an account number currently active with CGS	Request file created and placed on website for CGS to download		
CGS	USAGE_DATA	Usage Data Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
CGS	RATECHANGE_RQST	Rate Change Request: creates request	Request file created and uploaded on the LDC website		
LDC	RATECHANGE_RESP	Rate Change Response: Request file processed by LDC. Response file generated for CGS	Response file with acceptance code A0001 – Accepted placed on the website for the CGS to download		
LDC	CHARGES_RQST_TO_CGS	Charges Request from LDC: creates request file for an account number currently active with CGS	Request file created and uploaded on the LDC website		
CGS	CHARGES_RQST_TO_CGS	Charges Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		

5.4.2 Failed Rate Change by CGS (C)				Bill:	Rate Ready
Test a Rate Change from CGS with an invalid Supplier Group Number or Supplier Code causing the Rate change to be rejected.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	RATECHANGE_RQST	Rate Change Request: creates request file with an invalid SupplierGroupNumber and/or SupplierCode and uploads to the LDC website	Request file created with invalid SupplierGroupNumber and/or SupplierCode and successfully uploads the file to the LDC website		
LDC	RATECHANGE_RESP	Rate Change Response: LDC will process the file and reject the rate change	Response file with reject code R0037 – Invalid Supplier Code OR R0038 – Invalid Supplier Group Number		

5.5 Usage, Charges and Financial Scenarios

5.5.1 Usage by LDC				Bill:	ANY
Test customer Usage Data sent from LDC to CGS.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		

5.5.2 Usage and Charges by LDC				Bill:	Bill Ready
Test customer Usage Data and Charges information sent from CGS to LDC to be placed on customer's bill for Bill Ready customer.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
CGS	CHARGES_RQST_TO_LDC	Charges Request: CGS creates file and uploads to LDC website	CGS creates request file and successfully uploads file on LDC website		
LDC	CHARGES_RESP	Charges Response: Charges request is processed with response file created	Response file with acceptance code A0001 – Accepted placed on the website for the CGS to download		

5.5 Usage, Charges and Financial Scenarios - continued

5.5.3 Usage and Charges by LDC – CGS submitted after window				Bill: Bill Ready
Test customer Usage Data, Charges, and Financial Data sent from LDC to CGS for Bill Ready customer received after the 72 hr window.				
Account #:				
Party	UET	Description	Expected Result	Actual Result
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website	
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system	
CGS	CHARGES_RQST_TO_LDC	Charges Request: CGS creates file and uploads to LDC website after 72 hour window	CGS creates request file and successfully uploads file on LDC website	
LDC	CHARGES_RESP	Charges Response: Charges request is processed with response file created	Response file with acceptance code A0001 – Accepted placed on the website for the CGS to download. Charge to appear on customer's subsequent bill	

5.5 Usage, Charges and Financial Scenarios - continued

5.5.4 Financial Data by LDC				Bill: Bill Ready
Test customer Usage Data, Charges, and Financial Data sent from LDC to CGS for Bill Ready customer.				
Account #:				
Party	UET	Description	Expected Result	Actual Result
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website	
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system	
CGS	CHARGES_RQST_TO_LDC	Charges Request: Create file and uploads to LDC website	CGS creates request file and successfully uploads file on LDC website	
LDC	CHARGES_RESP	Charges Response: Process request file and creates response file. File uploaded to LDC website	CGS creates request file and successfully uploads file on LDC website	
LDC	FINANCIAL_DATA	Financial Request: Create request file and post to LDC website to be downloaded	Request file created and posted to website	
CGS	FINANCIAL_DATA	Financial Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system	

5.5 Usage, Charges and Financial Scenarios - continued

5.5.5 Financial Data by LDC				Bill:	Rate Ready
Test customer Usage Data, Charges, and Financial Data sent from LDC to CGS for Rate Ready customer.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	CHARGES_RQST_TO_CGS	Charges Request: Create file and uploads to LDC website	CGS creates request file and successfully uploads file on LDC website		
CGS	HARGES_RQST_TO_CGS	Charges Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	FINANCIAL_DATA	Financial Request: Create request file and post to LDC website to be downloaded	Request file created and posted to website		
CGS	FINANCIAL_DATA	Financial Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		

5.5 Usage, Charges and Financial Scenarios - continued

5.5.6 Usage Cancellation by LDC				Bill:	Bill Ready
Test customer Usage Data, Charges, and Financial Data sent from LDC to CGS with cancelled and rebilled usage for Bill Ready customer.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
CGS	CHARGES_RQST	Charges Request: Create file and uploads to LDC website	CGS creates request file and successfully uploads file on LDC website		
LDC	CHARGES_RESP	Charges Response: Process request file and create response file. File uploaded to LDC website	LDC process request file and creates response file with acceptance code: A0001 Accepted and posts to LDC website		
LDC	USAGE_DATA	Usage Request: create file with cancel/rebill usage and post to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	FINANCIAL_DATA	Financial Request: Create request file and post to LDC website to be downloaded	Request file created and posted to website		
CGS	FINANCIAL_DATA	Financial Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		

5.5 Usage, Charges and Financial Scenarios - continued

5.5.7 Usage Cancellation by LDC				Bill:	DUAL
Test customer Usage Data sent from LDC to CGS with cancelled and rebilled usage for Dual customer.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website		
LDC	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		

5.5 Usage, Charges and Financial Scenarios - continued

5.5.8 Usage Cancellation by LDC				Bill:	Rate Ready
Test customer Usage Data, Charges and Financial Data with cancelled and rebilled usage sent from LDC to CGS for Rate Ready customer.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	USAGE_DATA	Usage Request: create file and posts to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	CHARGES_RQST_TO_CGS	Charges Request from LDC: creates request file for an account number currently active with CGS	Request file created and uploaded on the LDC website		
CGS	CHARGES_RQST_TO_CGS	Charges Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	USAGE_DATA	Usage Request: create file with cancel/rebill usage and post to website for CGS to download	Request file created and posted to website		
CGS	USAGE_DATA	Usage Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	CHARGES_RQST_TO_CGS	Charges Request: CGS downloads request file with cancel/rebill charges and processes in system	CGS successfully downloads request file and processes in system		
CGS	CHARGES_RQST_TO_CGS	Charges Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		
LDC	FINANCIAL_DATA	Financial Request: Create request file and post to LDC website to be downloaded	Request file created and posted to website		
CGS	FINANCIAL_DATA	Financial Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		

5.5 Usage, Charges and Financial Scenarios – continued

5.5.9 Consumption Request by CGS				Bill:	ANY
Test pre-enrollment historical usage information request from CGS using valid Bill Account Number.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	CONSUMPTION_RQST	Consumption request: create file using a valid account number and post to LDC website	Request file created and posted to LDC website		
LDC	CONSUMPTION_RESP	Consumption response: LDC processes request in system, creates response file, and posts to LDC website	LDC process request file and creates response file with acceptance code: A0001 Accepted and posts to LDC website		

5.5.10 Consumption Request by CGS				Bill:	ANY
Test pre-enrollment historical usage information request from CGS using Account Name and Account Address.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	CONSUMPTION_RQST	Consumption request: create file using a customer name and service address and post to LDC website	Request file created and posted to LDC website		
LDC	CONSUMPTION_RESP	Consumption response: LDC processes request in system, creates response file, and posts to LDC website	LDC process request file and creates response file with acceptance code: A0001 Accepted and posts to LDC website		

5.5.11 Consumption Request by CGS				Bill:	ANY
Test pre-enrollment historical usage information request from CGS using invalid Bill Account Number.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
CGS	CONSUMPTION_RQST	Consumption request: create file using an invalid account number and post to LDC website	Request file created and posted to LDC website		
LDC	CONSUMPTION_RESP	Consumption response: LDC processes request in system, creates response file, and posts to LDC website	LDC process request file and creates response file with reject code: R0022 Invalid Account Name and Service Address and posts to LDC website		

5.6 Write-Off Data View Scenario

5.6.1 Write Off Data to CGS				Bill:	Pro Rata
Test a write-off file sent by the LDC to the CGS. Write-offs occur when the Billing party stops collection efforts on the Non-Billing party charges.					
Account #:					
Party	UET	Description	Expected Result	Actual Result	
LDC	WRITEOFF_DATA	Writeoff request: Create request file and post to LDC website to be downloaded	Request file created and posted to website		
CGS	WRITEOFF_DATA	Writeoff Request: CGS downloads request file and processes in system	CGS successfully downloads request file and processes in system		