

Enrollment and Billing Test Plan Scenarios – Dual and Rate-Ready Billing

Internet Connectivity Scenario

C.501: Internet: Connectivity Test						
Test the ability to send a file via the Internet standard protocol.						
Account #: Arbitrary File						
C.501	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Utility	Any	Utility sends any type of X12 file to the Supplier to test connectivity. File should have correct header information for the Supplier	X12 file sent to Supplier	
	F2	Supplier	997	Supplier responds with a 997 FA to complete connectivity test	997 sent to Utility	

Enrollment Level 2 Scenarios

E.001: Failed Enrollment						
Test an enrollment where the account number on the 814e can not be found in Utility's customer database as a valid account number. This enrollment request must be rejected.						
Account #: 999999999999						
E.001	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request with an account number that does not exist in Utility's customer database	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response: Utility will send back a response rejecting the enrollment due to an invalid account number	REF02 = A76 (Reject Reason Code), REF03 = Account Not Found	

E.002: Historical Usage + Change by Supplier

Test an enrollment with a request for the Utility to send to the supplier, historical usage information. The Utility replies with an enrollment response, 814er, accepting the enrollment, along with historical usage information, 867hu. The Supplier will send a Change Request, the Utility will send the Change Response.

Account #:

E.002	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request with account having single meter	814e created and sent to Utility	
	F1	Supplier	814e or 814h	Hist Usage Request: On enrollment, 814e, request historical usage OR send separate 814H request for historical usageE.0	Historical Usage requested	
	F2	Utility	814er	Enrollment Response: Utility will send back response accepting the enrollment request.	814er created and sent to Supplier	
	F2	Utility	814er or 814hr	Hist Usage Response: Utility will send back response accepting the historical usage request.	On the 814er, verify 'ok' to receive historical usage information	
	F2	Utility	867hu	Hist Usage: Utility send 12 month historical usage information to Supplier	867hu created and sent to Supplier	
	F3	Supplier	814c	Change from Supplier: Supplier will request a change (any change)	Any valid REF*TD change	
	F4	Utility	814cr	Change Response from Utility: Utility will reject or accept the change	Change accepted or rejected	

E.003: Change by Utility

Test any valid Utility change, and the Supplier will reply with a Change Response.

Account #:

E.003	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request.	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response: Utility will send back response accepting the enrollment request.	814er created and sent to Supplier	
	F3	Utility	814c	Change from Utility: Utility will send a change	Any valid REF*TD change	
F4	Supplier	814cr	Change Response from Supplier: Supplier will accept a change	Change accepted		

E.004: Drop by Supplier

Test a request to drop the customer, 814d, from the Supplier, then the Utility replies with a drop response, 814dr, accepting the drop.

Account #:

E.004	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request.	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response: Utility will send back response accepting the enrollment request.	814er created and sent to Supplier	
	F3	Supplier	814d	Drop from Supplier: Supplier requests to drop the customer	REF02 = B38 (Dropped by customer request)	
	F4	Utility	814dr	Drop from Supplier Response: Utility sends response accepting drop	Ex: ASI = ASI*WQ*024	

Dual Billing Level 2 Scenarios

B.101: Dual Billing: Usage, Cancel/Restate

Test Dual Billing usage plus cancel and restating usage. The Supplier sends an enrollment request, 814e, for a customer. The Utility replies with an enrollment response ,814er accepting the enrollment. Include cancelled and restated usage.

Account #:

B.101	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request with account having multiple meters. Request dual billing.	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response	814er created and sent to Supplier	
	F3	Utility	867mu	Usage/Monthly: Utility will send first month usage	867mu created and sent to Supplier	
	F5	Utility	867mu	Usage/Monthly: Utility will cancel first month usage	867mu created and sent to Supplier	
	F5	Utility	867mu	Usage/Monthly: Utility will restate first month usage	867mu created and sent to Supplier	
	F5	Utility	867mu	Usage/Monthly: Utility will send second month usage w/ bad account number	867mu created and sent to Supplier	
	F6	Supplier	824	?? bad account number	824 created and sent to Supplier	

Rate Ready Billing Level 2 Scenarios

B.201: Rate Ready: Remittance, Prev/Curr Balance, Taxes

Test multiple meters, Usage, Invoices, and Remittance Test having previous and current balance, taxes, usage. Does NOT include ACH payment test.

Account #:

B.201	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request.	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response: Utility will send back response accepting the enrollment request.	814er created and sent to Supplier	
	F3	Utility	867mu	Usage/Monthly: Utility will send first month usage	867mu created and sent to Supplier	
	F3	Utility	810	Invoice: Utility will send first month invoice	810 created and sent to Supplier	
	F4	Utility	568	Customer makes payment. Utility sends 568 Collections	568 created and sent to Supplier	
	F4	Utility	820	Remittance: Utility will send first month remittance detail. ACH payment will NOT be tested; only remittance detail	820 created and sent to Supplier	

B.202: Rate Ready: Demand and Consumption

Test both demand and consumption (Electric - KW & KWH, Gas - HH Only).

Account #:

B.202	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request with a meter that measures both demand and consumption.	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response: Utility will send back response accepting the enrollment request.	814er created and sent to Supplier	
	F3	Utility	867mu	Usage/Monthly: Utility will send first month usage	867mu created and sent to Supplier	
F3	Utility	810	Invoice: Utility will send first month invoice	810 created and sent to Supplier		

B.204: Rate Ready: Cancel/Restate

Test where usage and invoice had to be cancelled and restated.

Account #:

B.204	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F1	Supplier	814e	Enrollment: Create and send enrollment request with single meter	814e created and sent to Utility	
	F2	Utility	814er	Enrollment Response: Utility will send back response accepting the enrollment request.	814er created and sent to Supplier	
	F3	Utility	867mu	Usage/Monthly: Utility will send first month usage	867mu created and sent to Supplier	
	F3	Utility	810	Invoice: Utility will send first month invoice	810 created and sent to Supplier	
	F5	Utility	867mu	Usage/monthly: Utility will cancel first month usage	867mu created and sent to Supplier	
	F5	Utility	810	Invoice: Utility will cancel first month invoice	810 created and sent to Supplier	
	F5	Utility	867mu	Usage/monthly: Utility will restate first month usage	867mu created and sent to Supplier	
F5	Utility	810	Invoice: Utility will restate first month invoice	810 created and sent to Supplier		

GAS 850DDR Test Scenario

G.100: 850 DDR - Not Applicable to Electric

Test the 850 DDR transaction.

G.100	Frame	Resp	Trans	Description	Expected Result	Actual Result
	F5	Utility	850DDR	Utility creates and sends 850DDR transaction to Supplier	850DDR created and sent to Supplier	