Unit Test Document –
RDD-C-1-50-50 Critical Care Reduced Rate Monthly Report - Final

Document Reference : UTD- RDD-C-1-50-50
Version : 1.0
Document Status : *Initial*

Author : Jani

Last Revision Date : xx/xx/xxxx
Date Created : 03/28/2022
Date Printed : 03/28/2022

Document Information

Business Area	ELECTRIC MARKET OPERATIONS
GAP/CR ID/RICEFW	RDD-C-1-50-50
FS Definition Form ID	
SAP R/3 Version	
Global / Local	

Approval

Approved by	Name	Role	Signature	Date
Process Team Lead				
Development Team Lead				

Document History

Version	Reason for change	Date
1.0	Initial Draft	03/28/2022

Table of Contents

1.   General Information

Functional Design Spec ID:	RDD-C-1-50-50	Development ID:	
Development Title:	Critical Care Reduced Rate Monthly Report		
Implement. Phase			
Message Class:			
Develop. Class:			
Module:			
UTD User/User Group:			
Contact Details:			
Prepared By	张学友	**Prep Date**:	03/28/2019
	Phone Number:		XXXXXX
	Email Address:		XXXXX@centerpointenergy.com
Business/Functional Analyst:			
	Phone Number:		
	Email Address:		
Functional Area User Contact:			
PRIMARY:			
	Phone Number:		
	Email Address:		
Secondary:			
	Phone Number:		
	Email Address:		
Run Frequency		**Languages**	
Priority:		**Complexity**:	

Transport Information	

Transport Number	Transport Description
HZDK900500	RDD-C-1-50-50 Critical Care Reduced Rate Report - CP Dev
HZDK900508	RDD-C-1-50-50 Critical Care Reduced Rate Report - Query Dev

2. Description and Purpose

The system shall provide a calendar monthly report of all accounts being billed only for TC charges as a result of a rejected DNP for critical care. The report should show the actual bill amount, what the full bill amount would have been normally, the difference along with total counts and dollar amounts and ESI ID and CR details.

Note: Currently the basic data is generated by executing a query via EAI. The results of the query are then incorporated to the report to be delivered. The EMO-Service Orders Team adds the full billing amount. See attachments for copy of report.

If the Critical Care State is either "pending" or "active" and the Premise Registry Type is CCC (Critical Care Customer), CCCT (Critical Care Customer Temporary), CLI (Critical Load Industrial) or CLP (Critical Load Public Safety) and the request type is a 65001 with purpose code DC001, DC004, or DC005, (i.e. DNP market transaction) the system shall do the following:

- Generate the 650_02 reject with the reject code and description:
  - o CCC – Critical Care Customer - For Premise Registry Type CCC or CCCT
  - o CLC – Critical Load Customer - For Premise Registry Type CLI or CLP
- Update the transaction status of the 650_01 to Rejected
- Create a time sliced installation fact entry - 'Critical Care'. This installation fact entry is the indicator for the billing engine to assess only surcharge related charges (Reduced rate/TC charges).

This is a monthly report of all accounts that were billed with the reduced rate during the previous month and will include the ESI ID, CR, rate and usage details. This report goes into the monthly management report binder.

It should also include what would be the charges if the installation would have been using the full rate and the difference between the charges. Currently, the calculation for the full residential rate is manually being calculated. Going forward, the billing engine will calculate both 'full' and 'reduced' bill. Only the reduced billing will be invoiced to the market. The system will store and pass the invoiced components as well as the calculated full charges to the reporting repository. The report will include these fields and calculate the difference.

3. Unit Test Plan

Test 1: Installation is linked to the correct ESI ID, Rate Category, Revenue Area Code

Test Condition	Step	Step Description	Test Data	Expected Result	Actual Result	Executed By/Date	Remarks
Test Installation with correct ESI ID, Rate Category, Revenue Area Code	1	Run the report or preview data from HANA view		Analysis report value should match value from ECC T-Code ES32	Analysis report value matched value from ECC T-Code ES32	Tengran Liu– 03/28/2019	Pass

ECC

Display Installation: 76756

Installation	76756	Installation not disconnected	Facts
Division	10	Electricity	Devices
Premise	79090	HOUSTON, NAGLE ST 626 APT 1000	DevHist.
Current Contract	61829		
Current bus. partner	3000000757	SUSAN S PRICHARD / 626 NAGLE ST / HOUSTON TX 77003-...	

Time-dependent data

Valid fr.	Valid to	BClss	Rate cat.	Industry	Sy...	TempAr...	Franchise ...	Ex	MR
03/11/2014	12/31/9999	EMMK	E_RES						150

Billing/meter reading control

Time Zone	CST	Central Time (Dallas)
Base period category		⦿ Previous period ◯ Period of prev. year
MR control		
Blocking reason		Holiday Cal. ID

Further Information

Inst. type	ENDR	Metered non-IDR ...
Supply guarant.		
Volt.Level		

Deregulation

Serv. Type	0001	TDSP
Deregul. status	Z2	Active

Point of delivery

Grid	ELEC	Grid Level	01	Distr.	CNP
Valid Fr.	03/11/2014	Time	00:00:00	Valid To	12/31/9999	Time	23:59:59

Pnt of Deliv.ID 1008901006900330230109
Supply Scenario 000 Undefined

CNP Electric

ERCOT Load Profile	BUSHILF_COAST_NIDR_NWS_NOIOU
District	01 Houston
Revenue Area Code	009 HOUSTON
RAC Town Code	HOU HOUSTON

Permit Requirements

Move In N Order Y New Meter Y

BOBJ Analysis or Join Node Preview in HANA View

0FISCPER	0UCINSTALLA	0UCINSTALLA_0UC_POD_EXT
2017002	0000076756	1008901006900330230109

Critical Care Reduced Rate Monthly Report
Detail List for Previous Month

Rate Category	ESI ID	Competitive Retailer (CR) Code	Revenue Area Code	Invoice Code	Billing Cycle
RES	1008901006900330230109	RERS	9	01	15

Test 2: Example record is linked with correct CR Code

Test Condition	Step	Step Description	Test Data	Expected Result	Actual Result	Executed By/Date	Remarks
Test CR code value	1	Run the report		Example ESI ID is linking the correct CR code with ECC	Example ESI ID has been linked the correct CR code with ECC	Tengran Liu– 03/28/2019	Pass

ECC

Display contract: 61829

Contract 61829
Division 10 Electricity
Company Code 0003 CNP Houston Electric, LLC

Page 1 | Page 2 | Page 3

Billing-relevant data
Joint Invoicing 2   Alt. portion
Tax Jur. USTX7700323410
Bill.blck.reas.   Bill manually ☐
Release reason
Outsort.chk.grp
Man. OS billing   No. outsortings 0
Dunning Proc.   M/i/o dunn prc
Invoicing Lock

Account assignment data
Act determ. ID PZ
CO Acct Assgmt 1101202
                Segment

Deregulation
Serv. Provider CNP   SP reference no
Inv. Serv. Prov RERS   Payment Class 0001

BOBJ Analysis or Join Node Preview in HANA View

Rate Category	ESI ID	Competitive Retailer (CR) Code	Revenue Area Code
RES	100890100690033023010 9	RERS	9

Test 3: Test Billing Amount

Test Condition	Step	Step Description	Test Data	Expected Result	Actual Result	Executed By/Date	Remarks
Validate Data between ECC & Analysis Report for Billing Amount	1	Run the report		Billing amount from ECC should match with amount from Analysis report	Billing amount from ECC matched with amount from Analysis report	Tengran Liu– 03/28/2019	Pass

ECC

BOBJ Analysis or Join Node Preview in HANA View

ESI ID	Competitive Retailer (CR) Code	Revenue Area Code	Invoice Code	Billing Cycle	Billing Period Start Date	Billing Period End Date	Reduced Rate Bill Amount - Previous Month
100890100690033023010	RERS	9	01	15	01/01/2015	12/09/2016	951.28

Unit Test Document

Test 4: Whether Billing Periods are correct

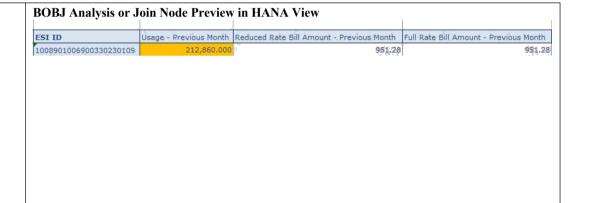| Test Condition	Step	Step Description	Test Data	Expected Result	Actual Result	Executed By/Date	Remarks
Validate billing period between ECC & Analysis Report	1	Run the report		Billing period should match between T-code es32 & Analysis Report	Billing period matched between T-code es32 & Analysis Report	Tengran Liu– 03/28/2019	Pass

ECC

BOBJ Analysis or Join Node Preview in HANA View

Unit Test Document

Test 5: Validate Usage Data

Test Condition	Step	Step Description	Test Data	Expected Result	Actual Result	Executed By/Date	Remarks
Compare between ZCBI06O0 DSO and BOBJ Analysis Report Value	1	Run the report		Value from ZCBI06O0 will Match with BOBJ Analysis Report	Value from ZCBI06O0 Matched with BOBJ Analysis Report	Tengran Liu– 03/28/2019	Pass

BW

2017002	2017	0000076756	1008901006900330230109		
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109		
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109	273,757	KWH
2017002	2017	0000076756	1008901006900330230109	273,914-	KWH
2017002	2017	0000076756	1008901006900330230109	273,857	KWH
2017002	2017	0000076756	1008901006900330230109		
2017002	2017	0000076756	1008901006900330230109		
2017002	2017	0000076756	1008901006900330230109		
2017002	2017	0000076756	1008901006900330230109		
2017002	2017	0000076756	1008901006900330230109	8.729,00	KWH
2017002	2017	0000076756	1008901006900330230109	5.141,00	KWH
2017002	2017	0000076756	1008901006900330230109	5.992,00	KWH
2017002	2017	0000076756	1008901006900330230109	304,00	KWH
2017002	2017	0000076756	1008901006900330230109	1.400,00	KWH
				▪ 212.860,00	KWH

BOBJ Analysis or Join Node Preview in HANA View

ESI ID	Usage - Previous Month	Reduced Rate Bill Amount - Previous Month	Full Rate Bill Amount - Previous Month
1008901006900330230109	212,860.000	951.28	951.28

Error Handling - functionality in case of errors (e.g. Customer not found, Record already exists)

Test Condition	Step	Step Description	Test Data	Expected Result	Actual Result	Executed By/Date	Remarks

---

4. Review Checklists