Report Definition Document –

Functional Specification

RDD-C-1-50-50 Critical Care Reduced Rate Monthly Report

Version 1.1

Jani

Report Definition Document

Version Control

Version	Date	Description	
1.0	09/08/20	Initial Draft	Jani
1.1	09/20/20	Updated few table and field names	Jani

Approvals

Date	Printed Name	Signature	Organizational Responsibility

Contents

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1. General Information

Object ID	**RDD-C-1-50-50**
Object Description	**CRITICAL CARE REDUCED RATE MONTHLY REPORT**
Functional Owner	**ELECTRIC MARKET OPERATIONS/REGULATORY**
Dependent Developments	
Reference Documents (BPD/GAP)	C-1-50 Manage Critical Care

Technical information		
1	**Report Created Using**	☐ Report Painter ☐ Report Writer ☐ SAP Query ☐ ABAP program ☐ Info system ☐ R/3 ☒ BW ☐ Crystal Reports
2	**Characteristics Required**	☐ Drilldown ☐ Buttons ☐ Sort ☐ ALV Grid ☐ ALV List ☐ Entry file ☐ Others: Call Transaction
3	**Execution Mode**	**SCHEDULED MONTHLY**
4	**Volume of Data**	**<10,000**
5	**Frequency**	**MONTHLY**

2. Business Needs & Requirements

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. Assumptions

- Billing will calculate charges for both reduced rate (known in the legacy system as rate 175) and full rate (known in the legacy system as rate 111) and only send reduced rate charges to the market. Full rate charges will be extracted to BW for reporting.
- BOBJ has necessary configuration to download into SharePoint

4. Frequency and Timing

- The report should be run automatically every first week of every month and stored in CenterPoint reporting portal
- Report File Name - Critical Care Reduced Rate Monthly Report

5. Output Type (Online/Print/Spreadsheet)

- Spreadsheet – Monthly scheduled run placed in a SharePoint site

6. Audience and Distribution

Audience Group	Use/Distribution	Estimated Number Users
Electric Market Operations	CenterPoint Reporting Portal	NA
Regulatory	CenterPoint Reporting Portal	NA

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7. Detailed Functional Requirements

The main criteria for this report is all the ESI IDs which have an installation fact record denoting that it's in 'reduced' rate and it's been billed in the previous month.

The report will have the below views –
- 'Reduced' rate aging counts – This shows counts of ESI IDs and the number of month's those ESI IDs have been on reduced rate

  The 'from date' of the installation fact record will tell when the installation is set up for 'reduced' rate. Difference between this date and current date will give us the aged months

  Same view is also obtained by creating pivot table on the 'detail list' tab data on the spreadsheet in section 8.

  Example view –

Reduced Rate Aging Months	Number of ESI ID
2	4
3	2
4	2
5	24

- Detail list for current month –This report tab/view lists out all the ESI IDs that were billed in the previous month with 'reduced' rate. The list of fields in this view are provided in section 9

- Year to Date Monthly revenue difference – For every month in the year, this report tab will show 4 key figures

  o Usage – Sum of all the usages for all ESI'ID for that month
  o Amount charged with 'reduced' rate – Sum of all the invoiced charges for all ESI IDs for that month o Amount calculated with 'full' rate – Sum of all the 'simulated billing' charges (or non-post relevant line items) if that ESI ID would have been on full rate.

  Example –

Month	Usage	Amount charged w/ rate 175	Amount charged w/ rate 111	Difference
January	60,909	$514.90	$2,723.63	$2,208.73
February	48,497	$406.48	$2,180.86	$1,774.38
March	42,630	$352.66	$1,810.25	$1,457.59
April	53,533	$442.98	$2,258.23	$1,815.25
May	54,795	$452.30	$2,290.32	$1,838.02
June				
July				
August				
September				
October				
November				
December				
Grand Total	**260,364**	**$2,169.32**	**$11,263.29**	**$9,093.97**

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8. Report Layout

Sample report – 'MAY' tab in below spreadsheet is the report content from current process, the other two tabs in the spreadsheet are manually created

RATE175_MAY16.xlsx

9. Report Field Details

Data Elements on the Default Report

Report Field Description	Table-Field	Business Rules	Comments
Rate Category	EANLH-TARIFTYP	Reduced rate indicator must have been active at time of billing	
ESI ID	EUITRANS-EXT_UI	Only those ESI_IDs billed with a reduced rate	
Competitive Retailer (CR) Code	ESERVPROV-SERVICEID		Contract attribute
Revenue Area Code	ZCEEF_REG_STR-RA_CODE		
Invoice Code	Billing Transaction in SAP - ERDK-ABRVORG	All invoice types billed using a reduced rate.	Periodic Billing (PB) or Final Billing (FB)
Billing Cycle	EANLH-ABLEINH	The first 2 digits gives the cycle number - Eg. E33IDR - Cycle - 33	
Billing Period Start Date	ERCH-BEGABRPE		
Billing Period End Date	ERCH-ENDABRPE		
Usage	ZCEEB_810_867- ZCE810KHW		Using the 810 (invoice) usage
Reduced Rate Bill Amount	ERDK-TOTAL_AMNT		
CR DUNS Number	ESERVPROV-EXTERNALID		
Aging	N/A	Calculated: system date – reduce rate indicator active date	Provides how long the installation has been in 'reduced' rate state.
Full Rate Bill Amount	*Action Item: Need to get relevant indicators/ Z line item types from billing functional team.*		Simulated charges as if the installation were on full rate *Possibly non relevant post items in a billing document.*
Difference	N/A	Calculated: Sum of Full charges – Sum of reduced rate invoiced excluding any	Reflects the difference between Bill Amount (full rate) and Bill

		discretionary charges	Amount (reduced rate)

Free Characteristics –

Field Description	Business Rules
NA	

10. Variables / Parameters

Field Description	Mandatory vs. Optional	Single Value, Multiple Values or Range
Fiscal Period	Mandatory	Single Value

11. Exceptions

- None

12. Conditions

- None

13. Charts/Graphs

- None

14. Data Requirements

Data for this report comes from below sources -

1. Billing data – Sales statistic cube – Which has billdoc (ERCH), Printdoc (ERDK) and corresponding line items associated with it

2. Installation Facts – ETTIFN

3. Switch Documents - EIDESWTDOC

4. Z 810 Table - ZCEEB_810_867

5. Revenue Area Code table - ZCEEF_REG_STR

15. Security Requirements / Authorization Details

For users to be able to run the report ad-hoc, business users would need access to business objects (BOBJ)

Role (List role name; Role Names should come from Security Roles)	Level of Security (For e.g. Create/Change/Display, etc.)
BOBJ Security role is yet to be determined	Users will be able to display the report. They can also customize the reports, but the customized version can only be saved in the users' favorite folder. The default version of the report cannot be changed by business users.

16. Testing Scenarios

ID	Description
Normal Functionality – test cases that ensure the conversion requirement as it should	
1	Critical care customers that have completed invoicing process
2	Critical care customer that have been consecutively for several months (Aging)
3	
4	
Exception - special logic or exceptions	
5	
6	
Error Handling - functionality in case of errors	
7	
8	

17. Regression Impacts

As the electric customers are all within the same system, there is remote potential for the industrial customers to have a DNP executed.