
Report Definition Document – Functional Specification

RDD-C-1-50-90 Accounts Rate
Switch Report (175 To 111)

Version 1.0

刘德华



Report Definition Document

Version Control

Version	Date	Description	Author
1.0	09/08/19	Initial Draft	刘德华

Approvals

Date	Printed Name	Signature	Organizational Responsibility

Report Definition Document

Contents

1.	GENERAL INFORMATION	4
2.	BUSINESS NEEDS & REQUIREMENTS	5
3.	ASSUMPTIONS	5
4.	FREQUENCY AND TIMING	5
5.	OUTPUT TYPE (ONLINE/PRINT/SPREADSHEET).....	5
6.	AUDIENCE AND DISTRIBUTION	5
7.	DETAILED FUNCTIONAL REQUIREMENTS	6
8.	REPORT LAYOUT	7
9.	REPORT FIELD DETAILS	8
10.	VARIABLES / PARAMETERS	8
11.	EXCEPTIONS	9
12.	CONDITIONS.....	9
13.	CHARTS/GRAPHS	9
14.	DATA REQUIREMENTS	9
15.	SECURITY REQUIREMENTS / AUTHORIZATION DETAILS	9
16.	TESTING SCENARIOS	9
17.	REGRESSION IMPACTS.....	10

Report Definition Document

1. General Information

Object ID		RDD-C-1-50-90	
Object Description		ACCOUNTS RATE SWITCH REPORT (175 TO 111)	
Functional Owner		ELECTRIC MARKET OPERATIONS	
Dependent Developments			
Reference Documents (BPD/GAP)		C-1-50 Manage Critical Care	
Technical information			
1	Report Created Using	<input type="checkbox"/> Report Painter <input type="checkbox"/> Report Writer <input type="checkbox"/> SAP Query <input type="checkbox"/> ABAP program <input type="checkbox"/> Info system <input type="checkbox"/> R/3 <input checked="" type="checkbox"/> BW <input type="checkbox"/> Crystal Reports	
2	Characteristics Required	<input type="checkbox"/> Drilldown <input type="checkbox"/> Buttons <input type="checkbox"/> Sort <input type="checkbox"/> ALV Grid <input type="checkbox"/> ALV List <input type="checkbox"/> Entry file <input type="checkbox"/> Others: Call Transaction	
3	Execution Mode	SCHEDULED MONTHLY	
4	Volume of Data	<10,000	
5	Frequency	MONTHLY	

Report Definition Document

2. Business Needs & Requirements

The system shall provide a calendar monthly report of all accounts that switched from billing rate 175 to billing rate 111 during the previous month. The report should include ESI ID details, CR details, date the rate changed occurred and the market transaction that triggered the rate change.

Note: for implementation the nomenclature is changing: 111 is will be known as RES (Residential) and will be identified as 'full' or full rate throughout the rest of this document. 175 will be triggered by a time-sliced indicator; thus, 175 will be identified as 'reduced' or 'reduced rate.'

3. Assumptions

- Billing will calculate charges for both full and reduced. The reduced rate will be sent to the market. The full rate charges will be extracted to BW for reporting.
- BOBJ has necessary configuration to download into SharePoint.

4. Frequency and Timing

- The Ad Hoc report will be assessed from CenterPoint reporting portal
- Report File Name - Accounts Rate Switch Report (No longer on reduced rate)

5. Output Type (Online/Print/Spreadsheet)

- Online – This report will be run using Excel Analysis BOBJ Tool

6. Audience and Distribution

Audience Group	Use/Distribution	Estimated Number Users
Electric Market Operations	BOBJ Portal	NA

Report Definition Document

7. Detailed Functional Requirements

The main criteria for this report is all the ESI IDs which have an installation fact record (Operand – CriticalCare) which got end dated in the previous month i.e. valid till date = Current Month – 1. This will give us a list of ESI-IDs that switched from reduced billing rate (175) to full billing rate (111) during the previous month.

Business Process Flow –

1. When a customer is on critical care (CCC or CCCT) and disconnect for non-pay (DNP) request with purpose codes DC001 or DC005 comes into the system, it will get rejected.
2. When this DNP request is rejected, an entry to the installation fact (Operand – CriticalCare) is added. This will have a valid from and valid till date, which will put the account in a reduced rate (Rate 175)
3. Reconnect (650_01 with purpose code RC002) – This transaction will be rejected as the disconnect was not executed; however, it should result in the premise returning to full invoiced rate. (In the current, legacy system this is reflected by the three digit rate 175 changing back to 111.) The change in rate happens immediately.
4. Switch (worked complete) – This transaction changes the Competitive Retailer (CR) and the DNP situation does not exist with that CR.
5. Move-out (worked complete)
6. Any Move-In (worked complete. A Move In is the market's transaction for indicating there is a new customer.)

To get the market transaction that triggered this change, need to find below switch documents for the ESI IDs that got the critical care installation fact end dated.

From the ESI-ID, get switch doc, with below conditions

Type of transaction causing change

1. 'Reconnect'
 - a. SwitchDoc Type =81 (EIDESWTDOC-SWITCHTYPE)
 - b. SwitchDoc Status = Z3 (EIDESWTDOC-STATUS)
 - c. Purpose Code = RC002 (EIDESWTDOC-ZZPURPOSECODE)
2. 'Switch'
 - a. SwitchDoc Type =73 (EIDESWTDOC-SWITCHTYPE)
 - b. SwitchDoc Status = Z3 (EIDESWTDOC-STATUS)
3. 'Move Out'
 - a. SwitchDoc Type =72 (EIDESWTDOC-SWITCHTYPE)
 - b. SwitchDoc Status = Z3 (EIDESWTDOC-STATUS)
4. 'Move In'
 - a. SwitchDoc Type =71 (EIDESWTDOC-SWITCHTYPE)
 - b. SwitchDoc Status = Z3 (EIDESWTDOC-STATUS)
5. 'Expired'
 - a. If no market transaction exists, check the premise registry expiration date

Last Billed to date – For the installation, find the last invoice that was created from table - ERDK- BLDAT

Note –

- If activity caused by 'Reconnect' the critical care expiration date will be null. If activity cause by Move Out, or approval expiration, the critical care expiration date will have a date.
- Rate Changed Valid From Date should be the ending date of the reduced rate indicator.

Report Definition Document

8. Report Layout

ESI ID	Account #	Rate Change Valid From Date	Premise Registry approval/entry date	Premise Registry expiration date	Status	Rate Category	Rep Name	Rep Abbreviation Code	CR DUNS Number	Last billed to date	Transformer	Line Fuse	Section Code	Circuit Code	Switch Document Number	Global Process ID	Market Transaction Causing change

Report Definition Document

9. Report Field Details

Data Elements on the Default Report

Report Field Description	Business Rules/Comments/Notes/Table-Field
ESI ID	EUITRANS-EXT_UI
Account #	Look up from ESI ID/Contract FKKVKP-VKONT
Rate Change Valid From Date	The Day installation fact record ended ETTIFN-BIS
Premise Registry approval/entry date	ZCSS_CRTC_CARE -AB
Premise Registry expiration date	ZCSS_CRTC_CARE -BIS
Rate Category	EANLH-TARIFTYP
CR DUNS Number	Contract attribute text ESERVPROV-EXTERNALID
Last Billed Date	ERDK- BLDAT
Rep Name	Contract attribute text ESERVPROV-SP_NAME
Rep Abbreviation Code	Contract attribute ESERVPROV-SERVICEID
Status	ZCSS_CRTC_CARE-STATUS
Transformer	Exists as an attribute of TMD for a particular installation/ESI ID
Line Fuse	Exists as an attribute of TMD for a particular installation/ESI ID
Section Code	Exists as an attribute of TMD for a particular installation/ESI ID
Circuit Code	Exists as an attribute of TMD for a particular installation/ESI ID
Switch Document	Market Transaction Document in SAP EIDESWTDOC-SWITCHNUM
Global Process ID	EIDESWTDOC-ZZGLBPRCID
Market Transaction	Possible values – Reconnect Switch Move Out Move In Expired

Free Characteristics –

Field Description	Business Rules
NA	

10. Variables / Parameters

Field Description	Mandatory vs. Optional	Single Value, Multiple Values or Range
Calendar Month	Mandatory	Single Value

Report Definition Document

11. Exceptions

- If no Critical Care accounts change from the reduced rate back to the full rate, the report should reflect : 'No ESI-IDs met the criteria'

12. Conditions

- Critical Care Installation Fact valid end date = Current Month – 1

13. Charts/Graphs

- None

14. Data Requirements

Data for this report comes from below sources -

1. Billing data – Sales statistic cube
2. Installation Facts - ETTIFN
3. Switch Document Table - EIDESWTDOC

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 changed From reduced rate i.e. R/C requests in previous month
2	No customers changing from reduced rate in the prior month
3	
4	
Exception - special logic or exceptions	
5	
6	
Error Handling - functionality in case of errors	
7	

Report Definition Document

8	
---	--

17. Regression Impacts

None