Report Definition Document –

Specification Document

RDD-C-3-50-1 PUCT Report for Switch Holds (BW)

Version 1.0

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Report Definition Document

Version Control

Version	Date	Description	Author
1.0	12/08/19	Initial Draft	刘德华

Approvals

Date	Printed Name	Signature	Organizational Responsibility

Contents

Report Definition Document

1. General Information

Object ID	RDD-C-3-50-1
Object Description	PUCT Repot for Switch Holds (BW)
Functional Owner	Electric Market Operations – Service Order Team
Dependent Developments	RDD-C-3-20-2 Switch Docs Extractor
Reference Documents (BPD/GAP)	BPD C-3-50 Market Service Orders - 650's No BRD reference

Technical information		
1	**Report Created Using**	☐ Report Painter ☐ Report Writer ☐ SAP Query ☐ ABAP program ☐ Info system ☐ R/3 ☒ BW/BOBJ
3	**Execution Mode**	SCHEDULED MONTHLY
4	**Volume of Data**	~19K+ ACTIVE WITH DPP; ~2.4M TOTAL REPORT IS COUNTS OF ACTIVE PREMISES AS WELL AS DETAIL OF THE ACTIVE DPP ITEMS
5	**Frequency**	SCHEDULED MONTHLY

2. Business Needs & Requirements

Currently CenterPoint Energy sends a switch-hold summary report to PUCT every month. (Also referred to as Deferred Payment Plan, DPP, holds.) The data for that report comes out of EAI. During the November 1, 2018 design discussion, it was discovered that once CIS migration completes, EAI will only maintain lookup data. ECC will be maintaining the needed data elements; thus, the monthly PUCT report must be provided via the reporting repository.

This report requirement was supplied via email subsequent to the meeting.

Reporting Criteria/Timeline:

14.1 All monthly reports will be filed as confidential to the PUCT and each filing will be due on the 10th business day of the following month making the first monthly report due July 15, 2011 for the first reporting period of June 1, 2011 through June 30, 2011.

14.2 Cover (worksheet 1) of this Excel workbook will provide an aggregate of all Active CRs for the calendar month's reporting period and all subsequent pages of the Excel workbook will provide CR specific information.

14.3 For the CR specific information if a CR doesn't have any Payment Plan Switch-Hold(s) for any of their active Residential Premise types then the TDU will provide zero (0) in their reports for rows 2, 3 and/or 4 above to ensure that all active CRs are included into the workbook for the month's reporting period.

14.4 Monthly report statistics will be limited to Active Residential Premise types.

14.5 Monthly report statistics will be limited to Active Competitive Retailers operating in TDU's service territory.

14.6 Monthly reporting period will include statistics for the first calendar date through last calendar date of each month.

3. Assumptions

All the data elements needed for reporting exist in SAP ECC.

4. Frequency and Timing

- The weekly report will run automatically every month and be stored in CenterPoint reporting portal

5. Output Type (Online/Print/Spreadsheet)

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

6. Audience and Distribution

Audience Group	Use/Distribution	Estimated Number Users
EMO	CenterPoint Reporting Portal	NA

7. Detailed Functional Requirements

Currently CenterPoint Energy sends a switch-hold summary report to PUCT every month. The data for that report comes out of EAI. During the November 1, 2018 design discussion, it was discovered that once CIS migration completes, EAI will only maintain lookup data. ECC will be maintaining the needed data elements; thus, the monthly PUCT report must be provided via the reporting repository.

The current monthly PUCT report is attached. Basically this current report provides 4 different kinds of information:

(1) First Information

Measure	Parameters for Reporting	Numbers	Type
Snapshot Number of ESI IDs	Snapshot of the number of ESI IDs as of the last calendar day of the reporting Month that are for Active Residential Premise types assigned to Active CR(s) in TDU's service territory	2125184	Residential Premises

Initially the list of contracts (EVER-VERTRAG) for electric (division EVER-SPARTE = '10') will be searched. In order to find active contracts by the end of previous month, those contracts with move-in date (EVER-EINZDAT) <= last day of previous month, and move-out date (EVER-AUSZDAT) > last day of previous month will be filtered. The corresponding installations (EVER-ANLAGE) for residential with billing class (EANLH-AKLASSE) = 'ERES' (residential service electric) could be found based on active contracts. Since ESI ID (BW InfoObject 0UC_POD_EXT) is an attribute of installation (BW InfoObject 0UCINSTALLA), the total count of ESI ID can be obtained.

(2) Second Information

Measure	Parameters for Reporting	Numbers	Type
Snapshot Number of ESI IDs on Payment Plan Switch-Hold	Snapshot of the number of ESI IDs as of the last calendar day of the reporting Month that are for Active Residential Premise types assigned to Active CR(s) in TDU's service territory that are on a Payment Plan Switch-Hold.	19740	Residential Premises

In order to find all ESI ID on payment plan switch-hold, the installations from (1) will be fed into installation fact table (ETTIFN) with operand (ETTIFN-OPERAND) = 'SWTHOLDPPL' (Switch Hold Indic. Payment Plan), valid-to date (ETTIFN-BIS) > last day of previous month, and flag (ETTIFN-STRING3) = 'X'. Then the total count of installations from installation fact table is the total count of ESI ID on payment plan switch-hold.

(3) Third Information

Measure	Parameters for Reporting	Numbers	Type
Total number of Payment Plan Switch-Hold removal requests received from the REP of Record by the TDU by 1:00 PM on a business day during the reporting month.	Total number of Payment Plan Switch-Hold removal requests received from the REP of Record by the TDU by 1:00 PM on a business day during the reporting month. This total is for Active Residential Premise types only. **Note**: Initially this will be MarkeTrak based reporting until the implementation of TX SET 4.0 where TX SET transactions will replace the MarkeTrak process for REP of Record requested Payment Plan Switch Hold Removals.	8178	Residential Premises

In order to find ESI ID with payment plan switch-hold removal requests received, the active ESI ID in (1) will be fed into table EIDESWTDOC (Switch Document Header) with switch type (EIDESWTDOC-SWITCHTYPE) = '81' (service order), purpose code (EIDESWTDOC-ZZPURPOSECODE) = 'SH002' (Remove Payment Plan Switch Hold Indicator), and status

time (EIDESWTDOC-STATUSTIME) <= 1pm on the last day of previous month. The total count of those found records is the total number of payment plan switch-hold removal requests received.

(4) Fourth Information

Measure	Parameters for Reporting	Numbers	Type
Total number of Payment Plan Switch-Holds the were removed by the TDU by 8:00 p.m. of the same business day when the REP of Record's request was received by 1:00 p.m. on a business day during the reporting month,	Total number of Payment Plan Switch-Holds the were removed by the TDU by 8:00 p.m.on same business day when the REP of Record's request was received by 1:00 p.m. on a business day during the reporting month. This total is for Active Residential Premise types only. **Note**: Initially this will be MarkeTrak based reporting until the implementation of TX SET 4.0 where TX SET transactions will replace the MarkeTrak process for REP of Record requested Payment Plan	8178	Residential Premises

In order to find ESI ID with payment plan switch-hold removed, the switch document number (EIDESWTDOC-SWITCHNUM) with payment plan switch-hold removal requests received found in (3) will be fed into table EIDESWTDOCSTEP (Switch Document Step) with activity for change of service (EIDESWTDOCSTEP-ACTIVITY) = 'Z97' (installations fact updated), and timestamp (EIDESWTDOC-TIMESTAMP) <= 8pm on the last day of previous month. The total count of those found records is the total number of payment plan switch-hold removed.

The attached current report shows the result of all CRs is summarized on the first tab, and then the result for each CR with its DUNS number is summarized on each different tab. The CR (BW InfoObject 0UCSERV_ID) is an attribute of contract (BW InfoObject 0UCCONTRACT), and the DUNS number (BW InfoObject 0UCSRV_IDEX) is an attribute of 0UCSERV_ID.

8. Report Layout

DPP Switch Hold PUC
Report - 2016-10-01

9. Report Field Details

Report Field Description	SAP Table	SAP Field Name	Calculation	Business Rules/Notes/Comments
Total count of active residential ESI ID				
Total count of active residential ESI ID on payment plan switch-hold				
Total count of payment plan switch-hold removal requests				
Total count of payment plan switch-hold removed				

10. Input Prompts/Selection Screen

Note: One of the following fields should be completed by the business client. The result will show all DG premises if no date is input.

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

11. Exceptions

- None

12. Conditions

- None

13. Charts/Graphs

- None

14. Data Requirements/Pre-requisites

This report uses tables-

1. ETTIFN - Installation Facts
2. EIDESWTDOC - Switch Document Header
3. EIDESWTDOCSTEP - Switch Document Step
4. EVER – IS-U Contract
5. EANL – Installation
6. EANLH – Installation (Time Slice)
7. ESERVPROV - Service provider

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)

Roles & Security			
Role Name	**Roles / Security Description**	**Access**	**Employee IDs assigned to**

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		needed (C, R, U, D)	role
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	Create data in ECC for (1) active electric residential premise (2) some of them on payment plan switch-hold (3) some payment plan switch-hold removal request from switch document (4) some switch-hold payment plan removed
2	Load all data to BW
3	The report should show expected result
4	
Exception - special logic or exceptions	
5	
6	
Error Handling - functionality in case of errors	
7	
8	

17. Regression Impacts

- None

18. References

Document Title	Document Location
BPD C-3-50 Market Service Orders - 650's	*http://teams.cnptoday.com/IT/SAP/MM/CIS/Deliverables/Business%20Process%20Documents%20(BPDs)/03-Final/BPD%20C-3-50%20Market%20Service_Orders%20650%27s%20-%20Final.docx*
RDD-C-3-20-2 Switch Docs Extractor	Not yet complete; to be added later

19. Report Data Source Details

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NOTE – This section will be completed during development if applicable

19.1 Reporting Data Provider (InfoProvider)	
Technical Name	**Description**

19.2 Semantic Layer Details (View/Universe/BEx Query)

Universe/View/BEx Name	Description	Notes/Comments (Eg. Table join details)

Field Name	Field Description	Field Type (Dimension / Attribute / Measure)	Notes/Comments

20.   Report Location Details

NOTE – This section will be completed during development if applicable

Reports			
Report Name			
Report Location		**CU ID**	
Report Type		**Frequency Run**	
Report Screenshots			
Report Scheduling Screenshots			

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