Use Case – Process Planning Model Change Request
CPPS.P01 PlanFutureBaseCases_UC_ProcessPMCR_V0.3

Name: Process PMCR – Incremental Changes

Summary:

Process all additions, deletions or modifications that apply to the Planning models to the ERCOT modeling group using an IDV, Python or RAWD file attached to a Planning Model Change Request. The PMCR consists of the change data (PSS/E formatted file) plus a summary file (the PMCR form). The sending entity is responsible for all corrections to the PMCR as required to accurately implement the change.

Acronyms:

MIS	**Management Information System**
NMMS	**Network Model Management System**
NMG	**Network Model Group**
NOMCR	**Network Operating Model Change Request**
OS	**Outage Scheduler**
PMCR	**Planning Model Change Request**
PSS/E	**Power System Simulator/ Engineering**
RAWD	**Raw Data, a PTI planning model**

Actor(s):

Name	Role description
ERCOT Planner	The ERCOT planner processes the PMCRs.
TSP Planner	TSP Planner who creates the Planning Model Change Request
NMG Staff	Using the facilities, the NMG staff may assist in processing the PMCRs or provide assistance to the ERCOT planner as requested.

Participating Systems:

System	Services or information provided
NMMS	ERCOT Network Model Management System, which is the central repository for all NOMCRs, SAMRS, and PMCRs
MIS Secure Area	ERCOT Management Information System Secure Area. This is a web-based system, which allows market participants to access and download ERCOT Network, Planning and other data. The MIS Secure Area includes log-on, user authentication, and the management of user access control rights.

Pre-conditions:

- MIS Secure area contains the annual planning models
- NMMS is up and running

- The NMMS contains a copy of all approved PMCRs, NOMCRS, and SAMRs.
- The NMMS contains a copy of all candidate PMCRs
- The ERCOT user has logged-on to NMMS and has the authority to work on all data referenced in this use case. An ERCOT or TSP planner has uploaded a PMCR on the NMMS site
- The NMMS has sent notification to the ERCOT Planner and the NMG staff that a new PMCR has been uploaded to NMMS

Design Considerations:

- The NMMS is considered a black box. Files inside NMMS only indicate that the request made by the ERCOT or TSP planner causes NMMS to make this data available to the ERCOT user for his private use in user areas (workspace).
- The user must be able to execute the NMMS functions to process an IDV or RAWD file.
- The NMMS must allow the TSP direct access to use the functions described above.

Examples of Processing are:

- The ERCOT planner needs to evaluate a PMCR submitted by a TSP Planner

Known assumptions, limitations, constraints, or variations that may affect this use case:

NONE

Normal Sequence:

Use Case Step	Description	From - To	Information Content
Step 1	ERCOT Planner or the NMG staff receives notification that a new (revised) PMCR has been posted in NMMS	NMMS to ERCOT Planner & NMG staff	Notification message (email)
Step 2	ERCOT Planner downloads the new (revised) PMCR into computer	NMMS - ERCOT planner	PMCR in PSS/E formats (IDVs, python, etc)
Step 3	ERCOT planner manages the state of the new PMCR. The exact states will need to be identified with ERCOT. Example states taken from the RFI include: • Received • Checked • In test • Approved • Case Setting • Returned for errors • Rejected • Accepted ERCOT Planners use PTI's PSS/E software to check PMCRs.	ERCOT planner-NMMS	New status to be updated in NMMS
Step 4	The ERCOT Planner updates the status of the new (revised) PMCR in order to indicate that revisions are needed to the PMCR or that the PMCR is	ERCOT Planner to NMMS	Update of status information

	accepted		
Step 5	If the status indicates that revisions are needed, NMMS notifies the TSP Planner that revisions are needed	NMMS – TSP Planner	Notice that revisions are needed to PMCR.
Step 6	If notified that revisions are needed, the TSP Planner revises the PMCR and uploads revised PMCR to NMMS. The ERCOT Planner then rechecks and processes the PMCR.	TSP Planner to NMMS	Revised PMCR
Step 7	If the PMCR is submitted, NMMS uploads the approved PMCR to the ERCOT MIS Secure Area	ERCOT-NMMS	PMCR files
Step 8	If accepted, NMMS notifies the TSP planner and the NMG Staff of accepted PMCRs.	NMMS – ERCOT Participant Planners	Notification message (email)

Exceptions / Alternate Sequences:

NONE

Post-conditions:

- PMCR is in NMMS, ready for download and evaluation by ERCOT.

References:

Use Cases referenced by this use case, or other documentation that clarifies the requirements or activities described.

- CPPS.P01_PlanFutureBaseCases_UC_CreatePlanningModel
- CPPS.P01_PlanFutureBaseCases_UC_CreatePMCR

The following Standards and documents are referenced by this case:

- IEC 61970-503, CIM XML Model Exchange Format Rev6 20050505 Standard
- IEC 61970-501, CIM RDF Schema
- ERCOT Nodal Protocols
- ERCOT NMMS Requirements

Issues:

ID	Description	Status
1.	TSP planner must be able to access NMMS and the MIS secure area	Open

Revision History:

No	Date	Author	Description
0	08/04/06	J. Waight	Initial draft for internal review
1	08/08/06	J. Moseley	Initial Review
2	08/26/06	M. Goodrich	Added Use Case Formatting, accepted changes, added

			revisions and clarifications and changed the title to match the naming convention.
3	9/11/06	M. Goodrich	Added edits from NMG