

Use Case – Create Day Ahead Model Settlement File COWM.P01RunDAMarket_UC_CreateDASettlementFile_V0.4

Name: Create the Settlement File for the Day Ahead Model

Summary:

Create the DA Settlement File for the Day Ahead Model using the NMMS software and the Day Ahead Model for a specified date. The output is a CSV file. The DA Settlement File will be packaged with the corresponding Day Ahead Model and distributed to the MMS system.

Acronyms:

| | |
|--------------|---|
| ERCOT | Electric Reliability Council of Texas |
| MMS | Market Management System |
| MP | Market Participant |
| NMMS | Network Model Management System |
| NOMCR | Network Operations Model Change Request (AKA: Project Files) |
| MC | ERCOT Model Coordinator |
| TSP | Transmission Service Provider |
| DAM | Day Ahead Model |

Actor(s):

| Name | Role description |
|-------------|--|
| MC at ERCOT | Creates the DA Settlement File for a specified date that corresponds to the Day Ahead Model. |

Participating Systems:

| System | Services or information provided |
|--------------------------------|---|
| Market Management System (MMS) | Receives the DA Settlement File after the Case Builder completes the Settlement processing and extraction of the information |
| NMMS at ERCOT | The MC uses the Case Builder within the NMMS to extract the DA Settlement File information from the NMMS database for the specified date and time. The DA Settlement File is generated based on the ERCOT specified CSV format |

Pre-conditions:

NONE

Design Considerations:

- None

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 | Based on inputs from the MC, the NMMS software exports the DA Settlement File information from the NMMS data base | (from) NMMS to (to) NMMS | A CSV file that contains the Settlement Points in the model for a specified date. |
| Step 2 | NMMS software creates the DA Settlement File in a CSV format and sends the file to the MMS. This file is generated and sent with the corresponding Day Ahead Model for the specified date. | (from) NMMS to (to) MMS | A CSV file that contains the Settlement Points in the model for a specified date. |

Exceptions / Alternate Sequences:

NONE

Post-conditions:

NONE

References:

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

- COWM.P01RunDAMarket_UC_CreateMMSDAMModel

The following Standards and other documents are referenced by this case:

- ERCOT Nodal Protocols
- ERCOT NMMS Requirements

Issues:

| ID | Description | Status |
|-----------|--|---------------|
| 1. | Settlement information needs to be modeled as well as maintained within the NMMS | |
| | | |

Revision History:

| No | Date | Author | Description |
|-----------|-------------|---------------|----------------------|
| 0 | | J. Winkel | Initial Version |
| 1 | 8/26/06 | M. Goodrich | Reviewed and Revised |

| | | | |
|---|---------|-------------|---------------------------------------|
| 2 | 9/10/06 | M. Goodrich | Added comments from Crews and Moseley |
| 3 | 9/12/06 | M. Goodrich | Added edits from NMG |