

Use Case – Create Real Time Settlement File COWM.P01RunRTMarket_UC_CreateRTSettlementFile_V0.4

Name: Create the Settlement File for the Real Time MMS Model

Summary:

Create the RT Settlement File for the Real Time MMS Model using the NMMS software and the current days model for a specified date. The output is a CSV file. The RT Settlement File will be packaged with the corresponding Real Time Model for that date 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
SAMR	Special Action Model Request
TSP	Transmission Service Provider
RT	Real Time

Actor(s):

Name	Role description
MC at ERCOT	Creates the RT Settlement File for a specified date that corresponds to the Real Time Model.

Participating Systems:

System	Services or information provided
Market Management System (MMS)	Receives the RT 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 RT Settlement File information from the NMMS database for the specified date and time. The RT 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:

- The RT Settlement File is generated each time the Real Time Model is created

Normal Sequence:

Use Case Step	Description	From - To	Information Content
Step 1	Based on inputs from the MC, the NMMS software exports the RT 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 the specified date.
Step 2	NMMS software creates the RT Settlement File in a CSV format and sends the file to the MMS. This file is generated and sent with the corresponding Real Time Model for the specified date.	(from) NMMS to (to) MMS	A CSV file that contains the Settlement Points in the model for the 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.P04RunRTMarket_UC_CreateMMSRTModel

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