

## Use Case – Create CRR Settlement File COWM.P05RunCRRMarkets\_UC\_CreateCRRSettlementFile\_V0.4

**Name: Create the Settlement File for the CRR Market Model**

**Summary:**

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

**Acronyms:**

<b>ERCOT</b>	<b>Electric Reliability Council of Texas</b>
<b>CRRS</b>	<b>Congestion Revenue Rights System</b>
<b>MP</b>	<b>Market Participant</b>
<b>NMMS</b>	<b>Network Model Management System</b>
<b>NOMCR</b>	<b>Network Operations Model Change Request (AKA: Project Files)</b>
<b>MC</b>	<b>ERCOT Model Coordinator</b>
<b>SAMR</b>	<b>Special Action Model Request</b>
<b>TSP</b>	<b>Transmission Service Provider</b>
<b>CU</b>	<b>CRRS User</b>

**Actor(s):**

<b>Name</b>	<b>Role description</b>
CU at ERCOT	Creates the CRR Settlement File for a specified date that corresponds to the CRR Model.

**Participating Systems:**

<b>System</b>	<b>Services or information provided</b>
Congestion Revenue Rights System (CRRS)	Receives the CRR Settlement File after the Case Builder completes the Settlement processing and extraction of the information
NMMS at ERCOT	The CU uses the Case Builder with the NMMS to extract the CRR Settlement File information from the NMMS database for the specified date and time.  The 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 CU, the NMMS Software exports the CRR 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 CRR Settlement File in a CSV format and sends the file to the CRRS. This file is generated and sent with the corresponding CRR Model for the specified date.	(from) NMMS to (to) CRRS	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.P05ConductCRRMarket\_UC\_CreateCRRModel

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 group