

NPRR146 – Grey-Boxed Language

(Disclaimer - this version is being provided to aid in review of current Protocol language and is not a substitute for the official TAC Report)**

NPRR Number	146	NPRR Title	ICCP Telemetry Information Submittals
Nodal Protocol Section Grey-Boxed		3.10.1, Time Line for Network Operations Model Change Requests	

Current Grey-Boxed Protocol Language

3.10.1 Time Line for Network Operations Model Changes

- (1) ERCOT shall perform periodic updates to the Network Operations Model. Market Participants may provide Network Operations Model updates to ERCOT to implement planned transmission and Resource construction one year before the required submittal date below. TSPs and Resource Entities must timely submit Network Operations Model changes pursuant to the schedule in this Section to be included in the updates.
- (2) For a facility addition, revision, or deletion to be included in any Network Operations Model update, all technical modeling information must be submitted to ERCOT pursuant to the ERCOT NOMCR process or the applicable Resource asset registration process for Resource Entities.
- (3) TSPs and Resource Entities shall submit Network Operations Model updates at least three months prior to the physical equipment change. ERCOT shall update the Network Operations Model according to the following table:

Deadline to Submit Information to ERCOT	Model Complete and Available for Test	Updated Network Operations Model Testing Complete	Update Network Operations Model Production Environment	Target Physical Equipment In-Service Date
Note 1	Note 2	Note 3		Note 4
Jan 1	Feb 15	March 15	April 1	Month of April
Feb 1	March 15	April 15	May 1	Month of May
March 1	April 15	May 15	June 1	Month of June
April 1	May 15	June 15	July 1	Month of July
May 1	June 15	July 15	August 1	Month of August
June 1	July 15	August 15	September 1	Month of September
July 1	August 15	September 15	October 1	Month of October
August 1	September 15	October 15	November 1	Month of November
September 1	October 15	November 15	December 1	Month of December
October 1	November 15	December 15	January 1	Month of January (the next year)

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Deadline to Submit Information to ERCOT	Model Complete and Available for Test	Updated Network Operations Model Testing Complete	Update Network Operations Model Production Environment	Target Physical Equipment In-Service Date
Note 1	Note 2	Note 3		Note 4
November 1	December 15	January 15	February 1	Month of February (the next year)
December 1	January 15	February 15	March 1	Month of March (the next year)

Notes:

1. TSP and Resource Entity data submissions complete per the NOMCR process or other ERCOT-prescribed process applicable to Resource Entities for inclusion in next update period.
2. Network Operations Model data changes and preliminary fidelity test complete by using the Network Operations Model test facility described in paragraph (3) of Section 3.10.4, ERCOT Responsibilities. A test version of the Redacted Network Operations Model will be posted to the MIS Secure Area for Market Participants and Network Operations Model to the MIS Certified Area for TSPs as described in paragraph (8) of Section 3.10.4, for market review and further testing by Market Participants.
3. Testing of the Redacted Network Operations Model by Market Participants and Network Operations Model by TSPs is complete and ERCOT begins the Energy Management System (EMS) testing prior to placing the new model into the production environment.
4. Updates include changes starting at this date and ending within the same month. The schedule for Operations Model load dates will be published by ERCOT on the MIS Public Area.

[NPRR146: Replace paragraph (3) above with the following upon system implementation:]

- (3) TSPs and Resource Entities shall submit Network Operations Model updates at least three months prior to the physical equipment change. ERCOT shall update the Network Operations Model according to the following table:

Deadline to Submit Information to ERCOT	Model Complete and Available for Test	Updated Network Operations Model Testing Complete	Update Network Operations Model Production Environment	Target Physical Equipment included in Production Model
Note 1	Note 2	Note 3 Paragraph (6)		Note 4
Jan 1	Feb 15	March 15	April 1	Month of April
Feb 1	March 15	April 15	May 1	Month of May
March 1	April 15	May 15	June 1	Month of June
April 1	May 15	June 15	July 1	Month of July
May 1	June 15	July 15	August 1	Month of August
June 1	July 15	August 15	September 1	Month of September

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July 1	August 15	September 15	October 1	Month of October
August 1	September 15	October 15	November 1	Month of November
September 1	October 15	November 15	December 1	Month of December
October 1	November 15	December 15	January 1	Month of January (the next year)
November 1	December 15	January 15	February 1	Month of February (the next year)
December 1	January 15	February 15	March 1	Month of March (the next year)

Notes:

1. TSP and Resource Entity data submissions complete per the NOMCR process or other ERCOT-prescribed process applicable to Resource Entities for inclusion in next update period.
2. Network Operations Model data changes and preliminary fidelity test complete by using the Network Operations Model test facility described in paragraph (3) of Section 3.10.4, ERCOT Responsibilities. A test version of the Redacted Network Operations Model will be posted to the MIS Secure Area for Market Participants and Network Operations Model to the MIS Certified Area for TSPs as described in paragraph (8) of Section 3.10.4, for market review and further testing by Market Participants.
3. Testing of the Redacted Network Operations Model by Market Participants and Network Operations Model by TSPs is complete and ERCOT begins the Energy Management System (EMS) testing prior to placing the new model into the production environment.
4. Updates include changes starting at this date and ending within the same month. The schedule for Operations Model load dates will be published by ERCOT on the MIS Public Area.

- (4) ERCOT shall only approve energization requests when the Transmission Element is satisfactorily modeled in the Network Operations Model.
- (5) Changes to an existing NOMCR that modify only Inter-Control Center Communications Protocol (ICCP) data object names shall be provided prior to the completion of the testing for the Network Operations Model in which the Transmission Elements represented by the ICCP data object names were first modeled (reference table in paragraph (3) above). NOMCR modifications containing only ICCP data object names shall not be subject to Independent Market Monitor (IMM) and Public Utility Commission of Texas (PUC) reporting (reference paragraph (5) of Section 3.10.4), according to the following:

<i>NOMCR that contains ICCP Data and is submitted ...</i>	<i>ERCOT shall ...</i>	<i>Subject to IMM & PUC Reporting</i>
Beyond 90 days of the energization date	Allow modification of an existing NOMCR with only ICCP data	No
Prior to the completion of the	Allow modification of an existing	No

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market testing	NOMCR with only ICCP data	
After the completion of market testing	Require a new NOMCR to be submitted containing the ICCP data	Yes

[NPRR146: Replace paragraph (5) above with the following upon system implementation:]

- (5) Changes to an existing NOMCR that modify only Inter-Control Center Communications Protocol (ICCP) data object names shall be provided 15 days prior to the Network Operations Model load date. NOMCR modifications containing only ICCP data object names shall not be subject to interim update reporting to the Independent Market Monitor (IMM) and Public Utility Commission of Texas (PUC) (reference paragraph (5) of Section 3.10.4), according to the following:

<i>NOMCR that contains ICCP Data and is submitted ...</i>	<i>ERCOT shall ...</i>	<i>Subject to IMM & PUC Reporting</i>
Beyond 90 days of the energization date	Allow modification of only ICCP data for an existing NOMCR	No
Between 90 and 15 days prior to the scheduled database load.	Allow modification of only ICCP data for an existing NOMCR	No
Less than 15 days before scheduled database load.	Require a new NOMCR to be submitted containing the ICCP data	Yes