



# Summary of M-03A Rev 14 Changes 2<sup>nd</sup> Read

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## Discussion of Changes to new Section 5.6 since 1<sup>st</sup> read:

- TOP-010 Requirement 3 is focus with TOP-010 effective April 1, 2018
- Updates based on Stakeholder feedback of 1st Read presentations
- The Supplemental Materials section gives insights into example specifics and a Rationale
- Minor editorial changes for clarity
- Removed notification e-mail requirement
- Clarified notification timeframe – 15 minutes once known
- For 30 minute criteria, adjusted references to IRO-008-1; R4 and TOP-001; R13 & R14.

## Overview of Changes (Section 5):

- TO staff shall implement an Operating Process/Procedure to address the quality of analysis used in its Real-time Assessments.
- TO shall have periodic monitoring of solution quality for Real-time Assessments.
  - 30 minute or less frequency, consistent with NERC Standard IRO-008-1, Requirement 4
- TO shall notify PJM when:
  - Analysis quality issues affecting its Real-time Assessment have existed for 30 minutes.
  - Real-Time Assessment quality is back to normal.

## Group

## 1<sup>st</sup> Read

## 2<sup>nd</sup> Read

DMS

1 / 25 / 2018

3 / 2 / 2018 (joint with SOS-T)

SOS

2 / 1 / 2018

3 / 1 / 2018

OC

2 / 6 / 2018

3 / 6 / 2018

MRC

2 / 22 /2018

3 / 22 / 2018

TOP-010 has effective date of 4/1/2018

Note: DMS reviewed TOP-010-1(i) at mtgs: 11/16/2017, 1/9/2018

RSCS and TTMS reviewed as informational

2<sup>nd</sup> Read: Request for endorsement

# Appendix

## 5.6 Quality of Analysis Used In Real-time Assessments

The Member TO shall implement an Operating Process or Operating Procedure to address the quality of analysis used in its Real-time Assessments (see TOP-010 R3). The Operating Process or Operating Procedure shall include:

- Criteria for evaluating the quality of analysis used in its Real-time Assessments
- Provisions to indicate the quality of analysis used in its Real-time Assessments to PJM
- Actions to address analysis quality issues affecting its Real-time Assessments

Member TOs performing Real-time Assessments shall have periodic monitoring of quality of analysis used in their Real-time Assessments.<sup>8</sup> Each Member TO-defined solution quality criteria for Real-time Assessment shall have at least a frequency of 30 minutes, consistent with the current NERC requirement for conducting a Real-time Assessment. .<sup>9</sup>

The Member TO shall notify PJM when:

- Analysis quality issues affecting its Real-time Assessment have existed for 30 minutes. Notification shall be verbally communicated to PJM Control Room (“Real-time Assessment Notification”). Notification should be made within 15 minutes of Member TO recognition that analysis quality issues affecting the Member TO’s Real-time Assessment have existed for 30 minutes.
- Real-time Assessment quality is back to normal. Notification shall be verbally communicated to PJM Control Room (“Real-time Assessment Recovered”). Notification should be made within 15 minutes of Member TO’s determination that the Real-time Assessment quality is back to normal.

<sup>8</sup> See NERC Standard TOP-010, Supplemental Material – Requirement R3

<sup>9</sup>See NERC Standard IRO-008-1, R4: <http://www.nerc.com/files/iro-008-1.pdf> and the related NERC Standard TOP-001 R13 and R14 (<http://www.nerc.com/pa/Stand/Reliability%20Standards/TOP-001-3.pdf>)