



# Summary of M-03A Rev 14 Changes

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## Overview of M-03A Changes

### Overview of Changes – Section 5:

- Focus is on Section 5 updates per TOP-010-1(i) Requirement 3
  - Added Section 5.6: Quality of Analysis Used In Real-time Assessments
- TOP-010-1(i) becomes effective April 1, 2018

**R3.** Each Transmission Operator shall implement an Operating Process or Operating Procedure to address the quality of analysis used in its Real-time Assessments. The Operating Process or Operating Procedure shall include: [Violation Risk Factor: Medium] [Time Horizon: Real-time Operations]

- 3.1. Criteria for evaluating the quality of analysis used in its Real-time Assessments;
- 3.2. Provisions to indicate the quality of analysis used in its Real-time Assessments; and
- 3.3. Actions to address analysis quality issues affecting its Real-time Assessments.



## Overview of M-03A: New Section 5.6

### 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 2
- 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.



## M3A, Revision 14 Schedule

| <b>Group</b> | <b>1<sup>st</sup> Read</b> | <b>2<sup>nd</sup> Read</b> |
|--------------|----------------------------|----------------------------|
| DMS          | 1 / 25 / 2018              | TBD                        |
| SOS          | 2 / 1 / 2018               | 3 / 1 / 2018               |
| OC           | 2 / 6 / 2018               | 3 / 6 / 2018               |
| MRC          | 2 / 22 / 2018              | 3 / 22 / 2018              |

TOP-010(i) has effective date of 4/1/2018

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



# Appendix



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

In accordance with TOP-010-1 R3 when a member TO performs 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. 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
- Actions to address analysis quality issues affecting its Real-time Assessments

When a Member TO performs Real-time Assessments, the Member TO shall have periodic monitoring of quality.\* Each TO-defined solution quality criteria for Real-Time Assessment shall have at least a frequency of 30 minutes, consistent with the current NERC State Estimator requirement for solution.\*\*

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 and sent to [outage@pjm.com](mailto:outage@pjm.com) with subject line including "Real-time Assessment Notification".
- Real-Time Assessment quality is back to normal. Notification shall be verbally communicated to PJM Control Room and sent to [outage@pjm.com](mailto:outage@pjm.com) with subject line including "Real-time Assessment Recovered".

\* See NERC Standard TOP-010-1, Supplemental Material – Requirement R3

\*\* See NERC Standard IRO-008-1, R2: <http://www.nerc.com/files/iro-008-1.pdf> and the related NERC Standard IRO-002-2, R6: <http://www.nerc.com/files/IRO-002-2.pdf>.