

1. Purpose

The purpose of this **reliability standard** is to establish requirements for real time monitoring and analysis capabilities to support reliable system operations.

2. Applicability

This **reliability standard** applies to:

- (a) the **ISO**.

3. Requirements

R1 The **ISO** must implement an operating process or operating procedure, to address the quality of the real time data necessary to perform its real time monitoring and real time assessments, which must include:

R1.1 criteria for evaluating the quality of real time data;

R1.2 provisions to indicate the quality of real time data to the system operator; and

R1.3 actions to address real time data quality issues with each entity responsible for providing the data when data quality affects real time assessments.

R2 The **ISO** must implement an operating process or operating procedure to address the quality of analysis used in its real time assessments which must include:

R2.1 criteria for evaluating the quality of analysis used in its real time assessments;

R2.2 provisions to indicate the quality of analysis used in its real time assessments; and

R2.3 actions to address analysis quality issues affecting its real time assessments.

R3 The **ISO** must have an alarm process monitor that provides notification to its real time operating personnel when a failure of its real time monitoring alarm processor has occurred.

4. Measures

The following measures correspond to the requirements identified in section 3 of this **reliability standard**. For example, MR1 is the measure for requirement R1.

MR1 Evidence of implementing an operating process or operating procedure as required in requirement R1 exists. Evidence may include an operating process or operating procedure in electronic or hard copy format meeting all provisions of requirement R1 and evidence that the **ISO** implemented the operating process or operating procedure as called for in the operating process or operating procedure, such as dated operator or supporting logs, dated checklists, voice recordings, voice transcripts, or other equivalent evidence.

MR2 Evidence of implementing an operating process or operating procedure as required in requirement R2 exists. Evidence may include an operating process or operating procedure in electronic or hard copy format meeting all provisions of requirement R2 and evidence the **ISO** implemented the operating process or operating procedure as called for in the operating process or operating procedure, such as dated operator logs, dated checklists, voice recordings, voice transcripts, or other equivalent evidence.

MR3 Evidence of having an alarm process monitor that provides notification to the **ISO's** real time operating personnel as required in requirement R3 exists. Evidence may include operator logs, computer printouts, system specifications, or other equivalent evidence.

Alberta Reliability Standard
Reliability Coordination Real Time Reliability
Monitoring and Analysis Capabilities
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Revision History

Date	Description
2019-12-01	Initial release.