

**Comparison between NERC MOD-018-0 and Alberta MOD-018-AB-0
Reports of Actual and Forecast Demand Data**

Section	NERC MOD-018-0	Alberta MOD-018-AB-0	Reason for Difference ¹
Purpose	To ensure that Assessments and validation of past events and databases can be performed, reporting of actual demand data is needed. Forecast demand data is needed to perform future system assessments to identify the need for system reinforcement for continued reliability. In addition, to assist in proper real-time operating, load information related to controllable Demand-Side Management programs is needed.	<u>The purpose of this reliability standard is to ensure the performance of that the reporting of actual demand data is performed in order to allow for the assessments and validation of past events and databases. can be performed, reporting of actual demand data is needed and that the reporting of Forecast demand data is needed is needed to performed to allow for the future system assessments required to identify the need for the need for system reinforcement needs for continued reliability. In addition, to assist in proper real-time operating, load information related to controllable Demand-Side Management programs is needed.</u>	Alberta does not currently have demand system management program. Writing style changes.
Applicability	4.1. Load-Serving Entity 4.2. Planning Authority 4.3. Transmission Planner 4.4. Resource Planner	<u>This reliability standard applies to:</u> <ul style="list-style-type: none"> • 4.1. Load-Serving Entity <u>ISO</u> 4.2. Planning Authority 4.3. Transmission Planner 4.4. Resource Planner 	To identify the responsible entity in Alberta.
Effective	April 1, 2005	<u>Ten calendar days after the date of</u>	To identify the effective

¹ The following revisions have been made throughout this proposed reliability standard:

- Identified the responsible entities in Alberta.
- Applied a consistent writing style and added clarity.
- Changed passive terms such as “shall” to “must.”
- Developed measures specific to the requirements

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Date		<u>approval by the Commission. April 1, 2005</u>	date in Alberta.
Definitions		<u>Italicized terms used in this reliability standard have the same meanings as set out in the Alberta Reliability Standards Glossary of Terms and Part 1 of the ISO Rules.²</u>	
Requirement	R1. The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner's report of actual and forecast demand data (reported on either an aggregated or dispersed basis) shall:	R1 The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner ISO's report of actual and forecast demand data reported on either an aggregated or dispersed basis shall <u>must</u> :	
Measure		<u>MR1 Document or report contains all data elements as specified in requirements R1.1 to R1.3.</u>	
Requirement	R1.1. Indicate whether the demand data of nonmember entities within an area or Regional Reliability Organization are included, and	R1.1 Indicate whether the demand data of nonmember entities not within the Alberta balancing authority area or Regional Reliability Organization is included.	To identify the responsible entity in Alberta
Measure		<u>MR1.1 Document or report contains all data elements as specified in requirement R1.1.</u>	
Requirement	R1.2. Address assumptions, methods, and the manner in which uncertainties are treated in the forecasts of aggregated peak demands and Net Energy for Load.	R1.2 Address assumptions, methods, and the manner in which uncertainties are treated in the forecasts of	

² Defined terms are not italicized in this document, but will appear in the Alberta reliability standards document when it is developed.

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		aggregated peak demands and net energy for load.	
Measure		<u>MR1.2 Document or report contains all data elements as specified in requirement R1.2.</u>	
Requirement	R1.3. Items (MOD-018-0_R1.1) and (MOD-018-0_R1.2) shall be addressed as described in the reporting procedures developed for Standard MOD-016-0_R1.	R1.3 Items (MOD-018-0_R1.1) and (MOD-018-0_R1.2) <u>in requirements R1.1 and R1.2 shall</u> must be addressed as described in the reporting procedures <u>requirements</u> developed for <u>Reliability</u> sStandard MOD-016-AB-0.	
Measure	M1. The Load-Serving Entity, Planning Authority, Transmission Planner, and Resource Planner shall each provide evidence to its Compliance Monitor that its actual and forecast demand data were addressed as described in the reporting procedures developed for Reliability Standard MOD-018-0_R1	<u>MR1.3 Document or report contains all data elements as specified in requirement R1.3. Evidence exists that the data reported by the ISO meet the requirements.</u> Load-Serving Entity, Planning Authority, Transmission Planner, and Resource Planner shall each provide evidence to its Compliance Monitor that its actual and forecast demand data were addressed as described in the reporting procedures developed for Reliability Standard MOD-018-0_R1	Developed measure specific to the requirement.
Requirement	R2. The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner shall each report data associated with Reliability Standard MOD-018-0_R1 to NERC, the Regional Reliability Organization, Load-Serving Entity, Planning Authority, and Resource	R2 The Load-Serving Entity, Planning Authority, Transmission Planner and Resource Planner <u>ISO shall</u> must each report data associated with Reliability Standard MOD-018-0_ in requirement	To identify the responsible entity in Alberta; and to whom this data is sent.

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	Planner on request (within 30 calendar days).	R1 to the WECC NERC, the Regional Reliability Organization, Load-Serving Entity, Planning Authority, and Resource Planner if requested by WECC and on request within a minimum 30 calendar days notice of such request.	
Measure	M2. The Load-Serving Entity, Planning Authority, Transmission Planner, and Resource Planner shall each report current information for Reliability Standard MOD-018-0_R1 to NERC, the Regional Reliability Organization, Load-Serving Entity, Planning Authority, and Resource Planner on request (within 30 calendar days).	MR2 Confirmation exists that the <u>information has been sent and was sent within the timelines as specified in requirement R2.</u> The Load-Serving Entity, Planning Authority, Transmission Planner, and Resource Planner shall each report current information for Reliability Standard MOD-018-0_R1 to NERC, the Regional Reliability Organization, Load-Serving Entity, Planning Authority, and Resource Planner on request (Evidence exists that shows the data was reported within 30 calendar days of the request.	Developed measure specific to the requirement.
Procedures		<u>None identified.</u>	
Compliance	<u>To view the compliance section D of the NERC reliability standard follow this link:</u> http://www.nerc.com/files/MOD-018-0.pdf		There is no compliance section currently proposed in the Alberta Reliability Standards. A compliance program will be developed at a later date for Alberta Reliability

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			Standards that recognizes the compliance monitoring and enforcement structure in Alberta. This approach is deemed consistent with the existing ISO Rules.
Regional Differences	None identified.	None identified.	Not applicable in Alberta

Proposed Terms for the Alberta Reliability Standards Glossary:

None

Existing Defined Terms used in this standard:

(As included in the ISO Rules Definitions or Alberta Reliability Standards Glossary)

- balancing authority area
- Commission
- day
- demand*
- ISO
- load
- MW
- net energy for load

* Term appears in the Alberta Reliability Standards Glossary of Terms – July 2009 rules cycle



- reliability
- reliability standard
- system
- WECC