

A. Introduction

1. **Title:** Documentation of the Accounting Methodology for the Effects of Demand-Side Management in Demand and Energy Forecasts.
2. **Number:** MOD-021-1
3. **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 Demand-Side Management (DSM) programs is needed.
4. **Applicability:**
 - 4.1. Load-Serving Entity
 - 4.2. Transmission Planner
 - 4.3. Resource Planner
5. **(Proposed) Effective Date:** The first day of the first calendar quarter after applicable regulatory approval; or in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter after Board of Trustees' adoption.

B. Requirements

- R1. The Load-Serving Entity, Transmission Planner and Resource Planner's forecasts shall each clearly document how the Demand and energy effects of DSM programs (such as conservation, time-of-use rates, interruptible Demands, and Direct Control Load Management) are addressed.
- R2. The Load-Serving Entity, Transmission Planner and Resource Planner shall each include information detailing how Demand-Side Management measures are addressed in the forecasts of its Peak Demand and annual Net Energy for Load in the data reporting procedures of Standard MOD-016-0_R1.
- R3. The Load-Serving Entity, Transmission Planner and Resource Planner shall each make documentation on the treatment of its DSM programs available to NERC on request (within 30 calendar days).

C. Measures

- M1. The Load-Serving Entity, Transmission Planner and Resource Planner forecasts clearly document how the demand and energy effects of DSM programs (such as conservation, time-of-use rates, interruptible demands, and Direct Control Load Management) are addressed.
- M2. The Load-Serving Entity, Transmission Planner and Resource Planner information detailing how Demand-Side Management measures are addressed in the forecasts of Peak Demand and annual Net Energy for Load are included in the data reporting procedures of Reliability Standard MOD-016-0_R1.
- M3. The Load-Serving Entity, Planning Authority and Resource Planner shall each provide evidence to its Compliance Monitor that it provided documentation on the treatment of DSM programs to NERC as requested (within 30 calendar days).

D. Compliance

1. **Compliance Monitoring Process**
 - 1.1. **Compliance Enforcement Authority**

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Regional Entity.

1.2. Compliance Monitoring Period and Reset Timeframe

On request (within 30 calendar days).

1.3. Compliance Monitoring and Enforcement Processes:

Compliance Audits

Self-Certifications

Spot Checking

Compliance Violation Investigations

Self-Reporting

Complaints

1.4. Data Retention

None specified.

1.5. Additional Compliance Information

None.

2. Violation Severity Levels (no changes)

E. Regional Differences

1. None identified.

Version History

Version	Date	Action	Change Tracking
0	April 1, 2005	Effective Date	New
0.1	April 15, 2009	R1. – comma inserted after Load-Serving Entity	
0.1	December 10, 2009	Approved by FERC — Added effective date	Update
1	TBD	Modified to address Order No. 693 Directives contained in paragraph 1300.	Revised.

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Appendix QC-MOD-021-1

Provisions specific to the standard MOD-021-1 applicable in Québec

This appendix establishes specific provisions for the application of the standard in Québec. Provisions of the standard and of its appendix must be read together for the purposes of understanding and interpretation. Where the standard and appendix differ, the appendix shall prevail.

A. Introduction

1. **Title:** **Documentation of the Accounting Methodology for the Effects of Demand-Side Management in Demand and Energy Forecasts**
2. **Number:** MOD-021-1
3. **Purpose:** No specific provision
4. **Applicability:** No specific provision
5. **Effective Date:**
 - 5.1. Adoption of the standard by the Régie de l'énergie: April 26, 2016
 - 5.2. Adoption of the appendix by the Régie de l'énergie: April 26, 2016
 - 5.3. Effective date of the standard and its appendix in Québec: July 1, 2016

B. Requirements

Specific provision applicable to requirement R2: reference to the standard MOD-016-0 is replaced by reference to the standard MOD-016-1.1

C. Measures

Specific provisions applicable to measure M2: reference to the standard MOD-016-0 is replaced by reference to the standard MOD-016-1.1

D. Compliance

1. Compliance Monitoring Process

1.1. Compliance Enforcement Authority

The Régie de l'énergie is responsible, in Québec, for enforcement of the reliability standard and its appendix that it adopts.

1.2. Compliance Monitoring Period and Reset Timeframe

No specific provision

1.3. Compliance Monitoring and Enforcement Processes

No specific provision

1.4. Data Retention

No specific provision

1.5. Additional Compliance Information

No specific provision

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**Appendix QC-MOD-021-1
Provisions specific to the standard MOD-021-1 applicable in Québec**

2. Violation Severity Levels

Requirement	Lower	Moderate	High	Severe
R1	The responsible entity's forecasts document how the Demand and energy effects of DSM programs but failed to document how one (1) of the following elements of the Demand and energy effects of DSM programs are addressed: conservation, time-of-use rates, interruptible Demands or Direct Control Load Management.	The responsible entity's forecasts document how the Demand and energy effects of DSM programs but failed to document how two (2) of the following elements of the Demand and energy effects of DSM programs are addressed: conservation, time-of-use rates, interruptible Demands or Direct Control Load Management.	The responsible entity's forecasts document how the Demand and energy effects of DSM programs but failed to document how three (3) of the following elements of the Demand and energy effects of DSM programs are addressed: conservation, time-of-use rates, interruptible Demands or Direct Control Load Management.	The responsible entity's forecasts failed to document how the Demand and energy effects of DSM programs are addressed.
R2	N/A	N/A	N/A	The responsible entity failed to include information detailing how Demand-Side Management measure(s) are addressed in the forecasts of its Peak Demand and annual Net Energy for Load in the data reporting procedures of Standard MOD-016-1.1_R1.
R3	The responsible entity provided documentation on the treatment of its DSM programs more than 30 calendar days but less than or equal to 40 calendar days following the request from NERC.	The responsible entity provided documentation on the treatment of its DSM programs more than 40 calendar days but less than or equal to 50 calendar days following the request from NERC.	The responsible entity provided documentation on the treatment of its DSM programs more than 50 calendar days but less than or equal to 60 calendar days following the request from NERC.	The responsible entity provided documentation on the treatment of its DSM programs more than 60 calendar days following the request from NERC. OR The responsible entity failed to provide documentation on the treatment of its DSM programs following a request from NERC.

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Appendix QC-MOD-021-1

Provisions specific to the standard MOD-021-1 applicable in Québec

E. Regional Differences

No specific provision

Revision History

Revision	Adoption Date	Action	Change Tracking
0	April 26, 2016	New Appendix	New

