	© <i>ISO New England Inc. 2024</i>	<b><i>Procedure: Review and Revise Regulation Parameters</i></b>
	<b><i>Process Name: Dispatch Regulation</i></b>	
	<b><i>Procedure Number: RTMKTS.0080.0040</i></b>	<b><i>Revision Number: 7.5</i></b>
	<b><i>Procedure Owner: William Henson</i></b>	<b><i>Effective Date: September 26, 2024</i></b>
	<b><i>Approved By: Director, Operations</i></b>	<b><i>Valid Through: September 26, 2026</i></b>

SOP-RTMKTS.0080.0040

Review and Revise Regulation Parameters

Contents

1. Objective .....

2. Background .....

3. Responsibilities .....

4. Controls.....

5. Instructions.....

6. Performance Measures .....

7. References .....

8. Revision History .....

9. Attachments.....

2

2

2

2

3


5

5

5

6

This document is controlled when viewed on the ISO New England Internet web site. When downloaded and printed, this document becomes **UNCONTROLLED**, and users should check the Internet web site to ensure that they have the latest version.

	© ISO New England Inc. 2024	<b>Procedure: Review and Revise Regulation Parameters</b>
	<b>Process Name: Dispatch Regulation</b>	
	<b>Procedure Number: RTMKTS.0080.0040</b>	<b>Revision Number: 7.5</b>
	<b>Procedure Owner: William Henson</b>	<b>Effective Date: September 26, 2024</b>
	<b>Approved By: Director, Operations</b>	<b>Valid Through: September 26, 2026</b>

## 1. Objective

The intent of this procedure is to define the process for reviewing and updating Regulation tuning parameters, based on historical analysis of past Regulation performance.

## 2. Background


ISO New England (ISO) uses a Regulation Selector within its Energy Management System (EMS) to select Resources to provide Regulation. The Regulation Selector has tuning parameters that can be revised as necessary to improve the selection process. These parameters are made known to Market Participants by posting the Excel spreadsheets “Regulation Selector and Regmon Tuning Parameters” on the ISO-NE external website in the ISO Express/Operations Reports (<https://www.iso-ne.com/isoexpress/web/reports/operations/-/tree/daily-regulation-requirement>).

## 3. Responsibilities

The Principal System Performance, Training and Integration (OPTI) Engineer (SPIE (or designee) is responsible for reviewing data and revising the Regulation tuning parameters.

## 4. Controls

The SPIE (or designee) will use the Excel spreadsheets “Regulation Selector and Regmon Tuning Parameters” to revise the current effective version of the tuning parameters.

	© ISO New England Inc. 2024	<b>Procedure: Review and Revise Regulation Parameters</b>
	Process Name: Dispatch Regulation	
	Procedure Number: RTMKTS.0080.0040	Revision Number: 7.5
	Procedure Owner: William Henson	Effective Date: September 26, 2024
	Approved By: Director, Operations	Valid Through: September 26, 2026

## 5. Instructions

1. The SPIE (or designee) monitors and reviews the Resources suggested for Regulation by the Regulation Selector.

### NOTE

The Regulation Selector runs automatically at approximately five (5) minutes after the top of hour. The Regulation Selector may also be run manually by the System Operators during the hour. The output of each run is automatically saved in a database and can be reviewed.


### NOTE

Any Regulation parameter marked with “- eligibility” is used by the Regulation Selector to determine Resources eligible for selection and is also used by the Regulation Clearing Price Calculator to establish Resource eligibility to set the Regulation Clearing Price.


Determination of the minimum allowable Regulation range (MW) parameter setting associated with a Resource valid Regulation Supply Offer is noted in ISO New England Manual for the Regulation Market, Manual M-REG (M-REG) in Section 1.1, Resource Criteria and Regulation Market Supply Offer Components with an eligibility reference made to ISO New England Inc. Transmission, Markets, and Services Tariff, Section III, Market Rule 1, Section III.14.2 – Regulation Market; Regulation Market Eligibility.

2. The SPIE (or designee) reviews the following Regulation parameters:

- Tie-breaker Multiplier
- Tie-breaker Reference Value
- Tie Breaker Days Since Submittal Multiplier
- Capacity Reservation Multiplier
- Slow Wide Time Up (minutes)
- Slow Wide Time Down (minutes)
- Production Cost Change Estimate Multiplier
- Look-Ahead Minutes Up
- Look-Ahead Minutes Down
- Look-Ahead Penalty Multiplier
- Far Away Minutes Up - eligibility

	© ISO New England Inc. 2024	<b>Procedure: Review and Revise Regulation Parameters</b>
	<b>Process Name: Dispatch Regulation</b>	
	<b>Procedure Number: RTMKT.S.0080.0040</b>	<b>Revision Number: 7.5</b>
	<b>Procedure Owner: William Henson</b>	<b>Effective Date: September 26, 2024</b>
	<b>Approved By: Director, Operations</b>	<b>Valid Through: September 26, 2026</b>

- Far Away Minutes Down - eligibility
  - Minimum Allowable Regulating Range Unit (MW) - eligibility
  - Minimum Allowable Regulating Range ATRR (MW) - eligibility
  - Minimum Allowable AGC Response Rate (MW/min) - eligibility
  - Minimum Transmission Sensitivity - eligibility
  - Minimum Constraint Marginal Value - eligibility
  - Commitment Bias
  - Regulation Capacity Penalty Factor
  - Regulation Service Penalty Factor
  - Planned Shutdown Threshold in Minutes - eligibility
  - Ineligibility Condition WRT Setpoint Deadbands (Unit) - eligibility
  - Ineligibility Condition WRT Setpoint Deadbands (ATRR) - eligibility
  - Relax Eligibility (Reg Low) - eligibility
  - Relax Eligibility (Reg High) - eligibility
3. If any of the Regulation parameters require changing, the SPIE (or designee) documents the changes with associated reference materials.
  4. If any of the Regulation parameters require changing, the SPIE (or designee) updates the Excel spreadsheet “Regulation Selector and Regmon Tuning Parameters” with the new values.
  5. The SPIE (or designee) forwards the Excel spreadsheet “Regulation Selector and Regmon Tuning Parameters” with the required changes to Information & Cyber Security Services – Energy Management Systems Applications for updating the Energy Management System (EMS) and posting to the ISO-NE external website.

	© ISO New England Inc. 2024	<b>Procedure: Review and Revise Regulation Parameters</b>
	<b>Process Name: Dispatch Regulation</b>	
	<b>Procedure Number: RTMKTS.0080.0040</b>	<b>Revision Number: 7.5</b>
	<b>Procedure Owner: William Henson</b>	<b>Effective Date: September 26, 2024</b>
	<b>Approved By: Director, Operations</b>	<b>Valid Through: September 26, 2026</b>

## 6. Performance Measures

None.


## 7. References

ISO New England Inc. Transmission, Markets, and Services Tariff Section III, Market Rule 1 - Standard Market Design (Market Rule 1), Section III.14 Regulation Market.

ISO New England Manual for the Regulation Market, Manual M-REG (M-REG)

## 8. Revision History

Rev. No.	Date	Reason	Contact
Original	09/30/05	Original	Mike Potishnak
1	10/04/07	Added another Regulation Selector parameter to be reviewed	Mike Potishnak
2	10/03/08	Annual Review by Procedure Owner, no changes required.	Mike Potishnak
3	03/17/09	Revised for periodic review	Mike Potishnak
4	01/31/11	Biennial review by procedure owner; Header updated copyright date; Footer replaced page numbers with Page x of Y format; Section defined acronym ISO; Various, used correct title for Principal Engineer, Operations; Step 5.5 correct Manual 11 title and defined the acronym; NOTE prior to step 5.6 used acronym Manual 11; Section provided correct titles for Market Rule 1 and Manual 11	Mike Potishnak
5	01/21/13	Biennial review by procedure owner; Headers, updated copyright date, Procedure Owner; 1 <sup>st</sup> page Footer, deleted disclaimer 2 <sup>nd</sup> paragraph; Global, added “or designee” language where Principal Engineer Operations is referenced; NOTE prior to step 5.6, last sentence, added ‘...and referred in Manual 11 as “minimum regulating range”.’	William Henson
6	01/14/15	Biennial review by procedure owner; Replaced Principal Engineer, Operations with Operations Performance, Training and Integration (OPTI) Engineer (or OPTI, Engineer as applicable) ; Globally corrected Process Name from “Manage Regulation” to Dispatch Regulation” in Header; Globally (per direction from ROC) eliminated use of “shall” from directed actions;	William Henson
7	03/31/15	Modified Section 5.2 to identify new review parameters established for FERC Order 755 requirements	William Henson
7.1	12/20/16	Periodic review performed requiring no changes; Made administrative changes required to publish a Minor Revision (added corporate identity to footers);	William Henson
7.2	10/18/18	Periodic review performed requiring no changes; Made administrative changes required to publish a Minor Revision	William Henson

	© <b>ISO New England Inc. 2024</b>	<b>Procedure: Review and Revise Regulation Parameters</b>
	<b>Process Name: Dispatch Regulation</b>	
	<b>Procedure Number: RTMKTS.0080.0040</b>	<b>Revision Number: 7.5</b>
	<b>Procedure Owner: William Henson</b>	<b>Effective Date: September 26, 2024</b>
	<b>Approved By: Director, Operations</b>	<b>Valid Through: September 26, 2026</b>

Rev. No.	Date	Reason	Contact
7.3	10/05/20	Periodic review performed requiring minor changes; Made administrative changes required to publish a Minor Revision	William Henson
7.4	10/03/22	Periodic review performed requiring minor changes; Made administrative changes required to publish a Minor Revision	William Henson
7.5	09/26/24	Biennial review by procedure owner requiring no changes; Made administrative changes required to publish a Minor Revision.	William Henson

## 9. Attachments

None