	© ISO New England, Inc. 2024	Master/LCC Procedure No. 12 - Identification and Coordination of ISO and LCC TOP Responsibilities
		Revision Number: 16.1 Revision Date: May 20, 2024
Owner: ISO Manager, Control Room Operations		Approved by: M/LCC Heads
		Review Due Date: May 20, 2026

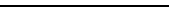
Master/Local Control Center Procedure No. 12

(M/LCC 12)

Identification and Coordination of ISO and LCC TOP Responsibilities

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1. References

- North American Electric Reliability Corporation (NERC) Reliability Standards
- Transmission Operating Agreements
- ISO New England Operating Procedure No. 1, Central Dispatch Operating Responsibilities and Authority (OP-1)
- ISO New England Operating Procedure No. 1, Central Dispatch Operating Responsibilities and Authority, Appendix A - Assignment of Responsibilities (OP-1A)

2. Background


2.1 M/LCC Heads Charter

Section 4 of this document contains the Master/Local Control Center (M/LCC) Heads Charter, which summarizes the responsibilities and activities of the group comprised of the entities registered as Transmission Operators (TOPs) in New England. These TOP entities include ISO New England (ISO), which serves as the Master Control Center (MCC), and each of the Local Control Centers (LCCs). This group was established to share information, identify and resolve operational issues and help coordinate the reliable operation of the New England transmission system.

2.2 TOP Responsibilities Matrix

Section 5 of this document establishes the process for delineating the responsibilities of ISO and the LCCs for compliance with tasks that pertain to North American Electric Reliability Corporation (NERC) Reliability Standards Requirements applicable to the TOP function. Under the Federal Energy Regulatory Commission (FERC)-approved Regional Transmission Organization (RTO) structure for New England, certain New England entities play a role in performing some but **not** all of the tasks associated with the TOP function for which they are registered.

The delineation of responsibilities between ISO and LCCs with regard to system operations is governed by an important principle. ISO has ultimate authority for the Real-Time operation of the New England Transmission System as reflected in the FERC-approved Transmission Operating Agreement (TOA) at Section 3.02(d). To the extent there is any disagreement between ISO and an LCC during Real-Time system conditions, ISO judgment ultimately prevails, thus maintaining a “one set of hands on the wheel” philosophy in system operations that is also reflected in ISO Operating Procedures (OPs). Of course, when ISO and LCCs confer on operating decisions, the more conservative approach to maintaining system reliability consistent with FERC-approved rules is always respected. In this manner, the execution of TOP tasks between ISO and LCCs as specified in their procedures is carried out in a highly reliable manner. The delineation of TOP responsibilities

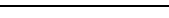
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reflects the fact that ISO, as the RTO, has the ultimate oversight and governing documentation for many of these tasks that are performed jointly by ISO and the LCCs. ISO New England Operating Procedure No. 1, Central Dispatch Operating Responsibilities and Authority (OP-1) and the associated OP-1 Attachment A - Assignment of Responsibilities (OP-1 A) are the governing ISO New England Operating Documents that discuss the operational relationships that are employed within the New England Reliability Coordinator Area/Balancing Authority Area (RCA/BAA).

3. Responsibilities

1. ISO and the LCCs are responsible for meeting the responsibilities and performing the actions described in Section 4 of this document.
2. ISO and the LCCs are jointly responsible for establishing and updating a TOP Responsibilities Matrix that delineates the responsibilities of ISO and the LCCs with respect to the Requirement(s) of each NERC Reliability Standard applicable to TOPs.¹
3. The ISO Reliability & Operations Compliance (ROC) business unit is responsible for primary maintenance of the TOP Responsibilities Matrix, developing proposed updates to reflect new/revised NERC Reliability Standards or revisions for other reasons, as necessary, distributing the document to the M/LCC Heads for review and approval, and for verifying that the approved document is posted on the Satellite website.
4. ISO and the LCCs are responsible for reviewing the TOP Responsibilities Matrix on an annual basis to discuss and delineate responsibilities for new or revised NERC Reliability Standards Requirements applicable to TOPs or to discuss any other matters pertaining to the document that may be raised by ISO or an LCC.
5. When there is a change in the membership of the Heads group, the M/LCC Heads Chair is responsible for updating the following ISO email distribution lists: "M S Head Only" and "M S Heads Full Distribution List".

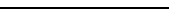
¹ The TOP Responsibilities Matrix, which is part of the broader "Assignment of NERC Reliability Standard Responsibilities for TOP, TP and TSP Functions in New England" spreadsheet file, is posted on the Satellite website, with a filter applied to show only the NERC Requirements applicable to the TOP. The Revision History Worksheet within the file documents the approvals of revisions to this file.

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4. M/LCC Heads Charter

4.1 M/LCC Heads Member Organizations Listing and Working Groups

- The M/LCC Heads is a group of individuals with membership comprised of lead operations persons from each of the following organizations:
 - ISO
 - CONVEX²
 - Maine³
 - New Hampshire²
 - NGRID⁴
 - NSTAR²
 - RIE⁶
 - VELCO⁵
- The following is a list of the Working Groups formed by and reporting to the M/LCC Heads:
 - Joint Trainers Task Force (JTTF)
 - System Restoration Working Group (SRWG)
 - Voltage Task Force (VTF)
 - Transmission Outage Coordination Working Group (TOCWG)
 - Network Modeling Working Group (NMWG)
 - Cyber Security Working Group (CSWG)
 - System Protection Working Group (SPWG)
 - Data Communications Task Force (DCTF)

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² Eversource is the NERC-registered entity for the TOP functional registration encompassing the CONVEX, New Hampshire, and NSTAR LCCs. The legacy individual LCC names may be used throughout ISO-NE Operating Documents in order to specifically identify an Eversource LCC.

³Central Maine Power Company (CMP) is the NERC-registered entity for the TOP functional registration for the Maine LCC. The legacy LCC name may be used throughout ISO-NE Operating Documents in order to specifically identify the Maine LCC

⁴New England Power Company is the NERC-registered entity for the TOP functional registration for the NGRID LCC. The legacy LCC name may be used throughout ISO-NE Operating Documents in order to specifically identify the NGRID LCC.

⁵Vermont Transco, LLC is the NERC-registered entity for the TOP functional registration for the VELCO LCC. The VELCO name may be used throughout ISO-NE Operating Documents in order to specifically identify the LCC.

⁶Narragansett Electric Company d/b/a Rhode Island Energy is the NERC-registered entity for the TOP functional registration for the RIE LCC. The RIE name may be used throughout ISO-NE Operating Documents in order to specifically identify the LCC.

4.2 M/LCC Heads General Responsibilities and Activities

1. ISO and each LCC shall designate a member (and alternate member) to serve as an M/LCC Heads member with direct responsibility for representing their respective organization as required to perform tasks.

A. The ISO member (or alternate member) shall be the M/LCC Heads Chair.

2. Meetings

A. Meeting Schedule:

- Annually, the M/LCC Heads Chair, with input from LCC members, shall develop a proposed schedule of monthly meetings for the following year, specifying dates, locations and meeting minute responsibilities. When applicable, this proposed schedule shall also include the dates for ISO-conducted audits.

B. Quorum:


- Four M/LCC Heads members must be present to establish a quorum for a meeting of the M/LCC Heads.

C. Voting:

- Unanimous affirmative voting must be reached for a motion to be passed by the M/LCC Heads.

D. Minutes:


- The responsibility for drafting M/LCC Heads meeting minutes shall be rotated through the LCCs and ISO, meeting-by-meeting, as assigned in the schedule of meetings for the year developed by the M/LCC Heads

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Chair.

E. Agenda:

- The agenda for each M/LCC Heads meeting shall be developed by the M/LCC Heads Chair, with input from M/LCC Heads Members and may include but **not** be limited to topics pertaining to the M/LCC Heads responsibilities listed in Section 4.2.3, below.
3. M/LCC Heads responsibilities include but are **not** limited to the following:
- A. Discussing and resolving issues of mutual responsibility and/or interest pertaining to reliable operation of the New England Reliability Control Area (RCA), in accordance with the FERC-approved TOA, applicable NERC/Northeast Power Coordinating Council Inc. (NPCC) Requirements and other applicable regulatory standards
 - B. Sharing information regarding the operation of the New England RCA, including Resource and transmission outages
 - C. Developing, reviewing, and approving M/LCC Procedures
 - D. Reviewing and approving ISO New England OPs
 - E. Reviewing and approving proposed additions and deletions of Designated Blackstart Resources (DBRs)
 - F. Reviewing results of monthly simulated load shed tests
 - G. Reviewing results of monthly Satellite phone tests
 - H. Providing direction to and reviewing results from its Working Groups
 - I. Executing obligations as defined in other applicable governing documents
 - J. Assisting ISO in meeting ISO's responsibilities to schedule and conduct audits of each LCC, in accordance with TOA Section 3.02(i), to assess each LCC's compliance with ISO Operating Procedures and performance of certain functions listed in TOA Section 3.06.

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5. TOP Responsibilities Matrix

5.1 Developing and Maintaining the TOP Responsibilities Matrix

1. ISO and the LCCs shall jointly develop and maintain a TOP Responsibilities Matrix spreadsheet to delineate responsibilities for meeting the applicable NERC Reliability Standards Requirements applicable to TOPs.

NOTE

The assignments of applicable TOP responsibilities are intended to communicate an understanding of compliance responsibility between ISO and the LCCs as defined through the TOA and various ISO Operating Procedures.

1. Assigned ISO ROC Analysts shall meet with the M/LCC Heads as needed and at least annually to discuss updates to the TOP Responsibilities Matrix.
2. When the M/LCC Heads agree to proposed changes to the TOP Responsibilities Matrix, the assigned ISO ROC Analyst shall prepare the document for posting on the Satellite website.

5.2 Using the TOP Responsibilities Matrix

1. The approved TOP Responsibilities Matrix shall be posted and is available on the ISO-NE Intranet using the following links:

Internal to ISO:

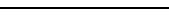
http://isoweb.iso-ne.com/satellite/master_local_control_center_heads/TOP-ResponsibilitiesSplit/

External to ISO (this link requires a digital certificate):

<https://smd.iso-ne.com>

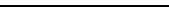
The previous versions may also be accessed at these links.

2. The following provides an explanation for certain data columns contained in the TOP Responsibilities Matrix
 - A. Standard Number: The applicable NERC Reliability Standard number and version pertaining to TOPs.
 - B. Requirement Number: The specific Requirement number of the applicable NERC Reliability Standard pertaining to a TOP.
 - C. Text of Requirement: The text of the Requirement pertaining to TOPs.


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- D. Assigned Responsibilities: The TOP entity (entities) responsible for performing action(s) to maintain compliance with Requirements. Table 1, (below) describes the various categories for how TOP responsibilities are delineated between ISO and the LCCs, as such responsibilities are defined in the TOA and reflected in ISO Operating Procedures.

Table 1		
Category	Description	Example
Joint	A NERC Requirement pertaining to the TOP function for which the assigned responsibilities classification is "Joint" means that ISO and the other TOPs each meet the Requirement in a joint manner, with ISO, as the RTO, having the ultimate oversight of the process and control of the governing documentation. Other New England TOPs may have local area-specific documentation based on ISO governing documentation. ISO and other New England TOPs perform coordinated functions to meet the Requirement.	<ul style="list-style-type: none"> • Restoration Plan • Normal transmission operations • Monitoring for and responding to limit exceedances
Both	A NERC Requirement pertaining to the TOP function for which the assigned responsibilities classification is "Both" means that both ISO and other New England TOPs perform tasks to meet the Requirement, typically in a more independent manner and without necessary oversight by ISO.	<ul style="list-style-type: none"> • Maintaining accurate computer models • Outage reliability assessments • Training personnel <p>Note: ISO does not have oversight or control of LCC documentation.</p>
ISO	A NERC Requirement pertaining to the TOP function for which the assigned responsibilities classification is "ISO" means that ISO alone performs the tasks to meet the Requirement in New England and that other New England TOPs are not expected to perform task(s) to meet the Requirement. For those Requirements that are not performed in New England (e.g., due to absence of equipment or absence of	<ul style="list-style-type: none"> • Inter-area operations • Coordination through NPCC • Establishing mechanisms for obtaining ancillary operating services

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	service), these will be labeled as "N/A" (not applicable)	
LCC	A NERC Requirement pertaining to the TOP function for which the assigned responsibilities classification is "LCC" means that the Local Control Centers (who are each registered as a TOP) perform the tasks to meet the Requirement in New England and that ISO, although also registered as a TOP, is not expected to perform the tasks to meet the Requirement.	<ul style="list-style-type: none"> • Providing transmission outage requests • Disconnecting facilities
N/A	A NERC Requirement for which the assigned responsibilities classification is "N/A" means that the TOP Requirement does not apply in New England due to the way New England owners, users and operators of the Bulk Electric System in New England conduct business in New England, in accordance with the ISO New England Inc. Transmission, Markets, and Services Tariff, Transmission Operating Agreements and ISO New England Operating Documents.	<ul style="list-style-type: none"> •

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6. Revision History

Rev. No.	Date	Reason
-	08/27/18	For previous revision history, refer to Rev 10.1 available through Ask ISO
11	08/27/18	Biennial review completed by procedure owner; Section 3.2, updated to reflect changes to the TOP Responsibilities Matrix, including revisions to descriptions of Assigned Responsibilities categories and added footnote 1; Section 4.1.1 bullets, replaced :REMVEC/NGRID" with "NGRID and arranged bullets in alphabetical order; Section 4.2.2.A, 1 st bullet, modified Heads responsibility to schedule LCC audits to be less specific (i.e., replaced "In the 4 th quarter of..." with "Annually..."); Section 4.2.3.A defined NPCC; Added Section 4.2.3.J, Heads responsibility regarding scheduling and conducting LCC audits; Section 5.2.2, replaced "...each data column..." with "...certain data columns..."; Section 5.2.2.D replaced "Responsible TOP:" with "Assigned Responsibilities:"; Table 1, Replaced the all of the rows data content in Description column and modified the first 2 rows data content in the Example column; Truncated the Revision History per SOP-RTMKTS.0210.0010 Section 5.6
12	10/30/18	Section 4.1.2, added System Protection Working Group (SPWG);
13	01/27/20	Section 3.5, added an additional responsibility to update distribution lists when M/LCC Heads membership changes;
13.1	07/22/20	Biennial review completed by procedure owner; no intent changes required. Performed minor edits required to publish document including TOCWG title and acronym correction.
14	05/02/22	Biennial review completed by procedure owner; Added Footnote 2 referencing Eversource as the registered NERC TOP for CONVEX, NH, and NSTAR.
15	02/13/23	Biennial review completed by procedure owner; Section 4.1.2: added Data Communications Task Force (DCTF); References section defined NERC acronym; Section 4.2.3 changed generator to Resource; Section 5.1.1 & 2 changed personnel to analyst.
16	10/05/23	Added footnotes to 4.1.
16.1	05/20/24	Biennial review completed by procedure owner; Added RIE to 4.1.1.

7. Attachments

None