

ISO new england	CROP.34010 Transmission Limits	
© 2024	Approved By: Director, Operations	Effective Date: 09/16/2024
Rev # 21	Procedure Owner: Manager, Control Room Operations	Valid Through: 09/16/2026

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References

1. RSKMGT.0020.0010, Appendix 2 - ISO Records Retention Schedule
2. CROP.34011 Protection Systems (SPS or ACS)
3. OP 19 - Transmission Operations
4. MLCC 15 - System Operating Limits Methodology

Procedure Background

A verbal weather sensitive limit is acceptable while waiting for written documentation of the limit set. Written documentation is provided during the current business day. When the verbal notice occurs outside of normal business hours, written documentation can be provided on the next business day. In those instances, where a verbal limit is provided, the voice-recorded conversation acts as the authority for its use. The Security Operator only uses a weather sensitive limit for the time period specified or until rescinded by the Transmission Owner.

Weather sensitive limits can be based on ambient temperature only or on ambient temperature and wind speed.

The Short Term Outage Coordination (STOC) group normally updates temporary limits manually in the Powerflow base cases. When temporary limits are to be used for extended periods of time (usually on a monthly basis) the Power System Modeling Management group is contacted to incorporate the temporary limits into the EMS. A minimum of a 5 day notice to the Power System Modeling Management group is recommended to ensure allow the implementation of the temporary limits.


The Power System Modeling Management group incorporates the temporary limits and fixed transformer tap changes and populates Powerflow base cases with the changes as requested.

The limits that are located in the NSTAR Cable Pairs Display are for contingency monitoring only. The limits should be 1 cable in service with no oil circulation that is obtained from the NX-9 form for the appropriate cable segment during the appropriate season. The limits on the NSTAR Cable Pair Display are used by RTCA for Non Field SPS purposes of modeling loss of the parallel cable onto the remaining cable.

The “Override” checkbox will be left checked for ease of checking abnormal limits.


The “Apply rating change to all sections” check box can be used to apply the change to all runback instances but it must be selected prior to entering the limit change.

Due to restrictions placed on New York Tie Lines by the New York State Reliability Council, these lines are **NOT** allowed to be operated beyond the LTE limit for normal transfers. When the ISONE system is experiencing a capacity deficiency, permission to utilize the STE limits on these facilities will be requested from the NYISO, for the purpose of increasing transfer capability.

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Common Procedure Information

- A. Any ISO-NE qualified Control Room Operator has the authority to take actions required to comply with NERC Reliability Standards. A qualified ISO-NE Control Room Operator has met the following requirements:
 1. Have and maintain a NERC certification at the RC level (per R.1 of PER-003-2)
 2. Applicable Requirements of PER-005-2
 3. Approved to cover a Control Room Operator shift position by the Manager, Control Room Operations
 4. Is proficient at the current qualified level.
- B. Real time operation is defined as the current hour and the current hour plus one.
- C. Future hours are those beyond real time operation.
- D. All verbal communications with Local Control Centers (LCC), neighboring Reliability Coordinators/Balancing Authorities (RC/BA), Designated Entities (DE), Demand Designated Entities (DDE) and/or SCADA centers shall be made on recorded phone lines unless otherwise noted.
- E. For all communications:
 1. Use the Basic Protocol for All Operational Communications as prescribed in M/LCC 13.
 2. Use 'ISO New England' or 'New England'. Refrain from using 'ISO'.
 3. Use Asset ID's when communicating with DE/DDEs.
 4. Use three-part communication in all situations where its use will enhance communications.
- F. Primary responsibilities are stated for each step within the procedure, but any ISO Control Room Operator qualified at that position or higher can perform the step. The Primary Responsibility may be delegated to an Operator in a lower qualified position, but the responsibility for its completion remains with the identified individual.
- G. The use of “ensure” within this document means that a verification has been performed and if the item is not correct, corrective actions will be performed.

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Procedure

Condition(s) to perform this section:

- Transmission facility is limiting in real time; Or
- Transmission facility is expected to be limiting in real time.

Section 1 : Requesting and entering weather sensitive or enhanced facility limits into EMS

Notes

- If pre-defined weather sensitive limits are **NOT** available in real time, the Security Operator can only accept a weather sensitive limit in writing (fax) or e-mail to ISO.
- Per OP-19, enhanced facility limits can only be applied to SOLs.

Step 1.1 Primary Responsibility: Security Operator

Contact the applicable LCC Operator(s) and request weather sensitive or enhanced facility limits.

Step 1.1.1 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- ISO-NE does **NOT** have limit data for the transmission facility.

Request the LCC forward the transmission facility limit data via email.

Instruction

Email to: transmissionsecurity@iso-ne.com

Notes

- A verbal weather sensitive limit is acceptable while waiting for written documentation of the limit set. Written documentation is provided during the current business day. When the verbal notice occurs outside of normal business hours, written documentation can be provided on the next business day. In those instances, where a verbal limit is provided, the voice-recorded conversation acts as the authority for its use. The Security Operator only uses a weather sensitive limit for the time period specified or until rescinded by the Transmission Owner.
- Weather sensitive transmission facility limits are used during the current day.
- Per M/LCC15, documentation of an enhanced facility limit must be received within 24 hours and must include the facility limit and the allowed time duration for its use.

Step 1.1.2 Primary Responsibility: Security Operator

Save the limit data in the “Temporary Limits” folder on the Control Room Sharepoint.

Step 1.2 Primary Responsibility: Security Operator

Notify the Operations Shift Supervisor and Senior System Operator that weather sensitive or enhanced facility limits are being entered in to EMS.

Step 1.3 Primary Responsibility: Security Operator

Enter the abnormal limit(s) into EMS using Section 2.

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Condition(s) to perform this section:

- Notified that temporary limits are required; Or
- Directed from Section 1.

Section 2 : Entering Temporary Limits into EMS

Step 2.1 Primary Responsibility: Security Operator

Notify the Operations Shift Supervisor and Senior System Operator that temporary limits are being entered in to EMS.

Step 2.2 Primary Responsibility: Security Operator

Enter the abnormal limit(s) into EMS.

Instructions

- ☐ Perform the following to enter abnormal line limits into EMS:
 - ☐ Access RTNET;
 - ☐ Click the "LIM" button to access the Networks Limits display;
 - ☐ Locate the specific line;
 - ☐ Click the "Enterable" checkbox to populate a checkmark;
 - ☐ Enter the specified limits, **DO NOT** modify the Winter or Summer Alternate Set limits;
 - ☐ Click the "Copy Branch Limits" button to go to the Copy Branch Limits display;
 - ☐ Click the "Copy Branch Limit" button, this will copy the limits to RTNET;
 - ☐ Click "Yes" to acknowledge the "Confirm Action" pop-up;
 - ☐ Click the "Copy Online Limits to SCADA" button, this will copy the limits to SCADA for alarming.
- ☐ Perform the following to enter abnormal transformer limits into EMS:
 - ☐ Access RTNET;
 - ☐ Click the "LIM" button to access the Networks Limits display;
 - ☐ Click the "Transformer Branch" tab
 - ☐ Locate the specific transformer;
 - ☐ Click the "Enterable" checkbox to populate a checkmark;
 - ☐ Enter the specified limits, **DO NOT** modify the Winter or Summer Alternate Set limits;
 - ☐ Click the "Copy Branch Limits" button to go to the Copy Branch Limits display;
 - ☐ Click the "Copy Branch Limit" button, this will copy the limits to RTNET;
 - ☐ Click "Yes" to acknowledge the "Confirm Action" pop-up;
 - ☐ Click the "Copy Online Limits to SCADA" button, this will copy the limits to SCADA for alarming.

Notes

DO NOT change permanent line limits as defined by the "Alternate Set" winter and summer limits as displayed on the "Network Limits" display in RTNET.

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Step 2.3 Primary Responsibility: Security Operator

Enter the abnormal limits(s) on Attachment 1 - Modified Limits in EMS.

Instructions

- ☐ Enter the following on Attachment 1:
 - ☐ Station Names;
 - ☐ Transmission equipment name/identifier;
 - ☐ Applicable limits (Normal/LTE/STE/DAL);
 - ☐ Start date and time for utilization of the limits;
 - ☐ Reason for using the limits (be as specific as possible).

Notes

- Attachment 1 will be maintained in the “Temporary Limits” folder on the Control Room Sharepoint.
- This information is treated as NX-9 Data with an Official Retention time requirement of 6 years per RSKMGT.0020.0010, Appendix 2 - ISO Records Retention Schedule. The retention time period begins when the record is created.

Step 2.4 Primary Responsibility: Security Operator

Log temporary limit.

Instructions

- ☐ Use log entry: > TRANSMISSION > TEMPORARY LIMIT > Implemented [E].
- ☐ Enter the following information:
 - ☐ Line number;
 - ☐ Terminal substations;
 - ☐ Previous limit set (set is Normal, LTE, STE, and DAL);
 - ☐ New limit set (set is Normal, LTE, STE, and DAL);
 - ☐ Expected duration, if known otherwise use “Until Further Notice”.
 - ☐ CROW Application requested “Yes/No”

Notes

An example of when to request a CROW application is if the duration was beyond the current operating day and the limits should be included into STOC study cases.

Step 2.5 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- The equipment is an Intra-Area tie between two LCCs; Or
- The equipment is a shared facility with a neighboring RCA.

Verbally notify the applicable LCC(s) Control Room of the limit change.

Instructions

Update the previously made log entry with the LCC notifications.

Step 2.6 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- The equipment the temporary limit is applied to is on the NPCC Facilities for Notification List.

Verbally notify each applicable neighboring RC of the limit change.

Instructions

Update the previously made log entry with the RC notifications.



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Step 2.7 Primary Responsibility: Security Operator

Request the Senior System Operator to perform a peer review of the temporary limits entered into EMS.

Instructions

Verify SCADA / RTNET values match the limit being implemented.

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Condition(s) to perform this section:

- Weather sensitive, temporary, or enhanced facility limits need to be removed.

Section 3 : Removing Abnormal Limits in EMS

Step 3.1 Primary Responsibility: Security Operator
Click the "ABBR LIM" button in RTNET.

Step 3.2 Primary Responsibility: Security Operator
Locate the element.

Instructions

- ☐ To access the abnormal transformer limits:
 - ☐ Click the “Abnormal XF limit” toggle to access transformers with abnormal limits applied.

Notes

Abnormal branch limits is the default.

Step 3.3 Primary Responsibility: Security Operator
Remove the abnormal limit.

Instructions

- ☐ Remove the abnormal limit by:
 - ☐ Clicking the "Restore" toggle button;
 - ☐ Clicking the "Restore/Transfer" toggle button.

Step 3.4 Primary Responsibility: Security Operator
Click "LIM" in RTNET and copy the limits.

Instructions

- ☐ Copy the seasonal limit by:
 - ☐ Clicking the "Copy Branch Limits" text to access the Copy Branch Limits display;
 - ☐ Clicking the "Copy Branch Limit" button;
 - ☐ Clicking “Yes” to the “Confirm Action” pop-up;
 - ☐ Clicking the "Copy Online Limits to SCADA" button.

Step 3.5 Primary Responsibility: Security Operator
Enter an end date and time in [Attachment 1 - Modified Limits in EMS](#).

Notes

- Attachment 1 will be maintained in the “Temporary Limits” folder on the Control Room Sharepoint.
- This information is treated as NX-9 Data with an Official Retention time requirement of 6 years per RSKMGT.0020.0010, Appendix 2 - ISO Records Retention Schedule. The retention time period begins when the record is created.

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Step 3.6 Primary Responsibility: Security Operator

Log the removal of the limit.

Instructions

- ☐ Use log entry: > TRANSMISSION > TEMPORARY LIMIT > Removed [E].
- ☐ Enter the following information:
 - ☐ Line number;
 - ☐ Terminal substations;
 - ☐ Previous limit set (set is Normal, LTE, STE, and DAL);
 - ☐ New limit set (set is Normal, LTE, STE, and DAL);
 - ☐ Expected duration, if known otherwise use “Until Further Notice”.

Step 3.7 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- The equipment is an Intra-Area tie between two LCCs; Or
- The equipment is a shared facility with a neighboring RCA.

Verbally notify the applicable LCC(s) Control Room of the limit change.

Instructions

Update the previously made log entry with the LCC notifications.

Step 3.8 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- The equipment the limit is being removed from is on the NPCC Facilities for Notification List.

Verbally notify each applicable neighboring RC of the limit change.

Instructions

Update the previously made log entry with the RC notifications.

Step 3.9 Primary Responsibility: Security Operator

Request the Senior System Operator perform a peer review of the limit change in EMS.

Instructions

Verify SCADA / RTNET values returned to their seasonal rating limits.

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Condition(s) to perform this section:

- NSTAR notifies ISO the limit(s) associated to a cable pair needs to be modified.

Section 4 : Modify an NSTAR Cable Pair limit NOT related to heat exchanger status

Notes

- When any NSTAR Boston cable heat exchanger is placed in service any changed cable limit is expected to be entered as an Abnormal Limit until the heat exchanger is removed from service.
- The limits that are located in the NSTAR Cable Pairs display are for contingency monitoring only. The limits should be 1 cable in service with **no** oil circulation that is obtained from the NX-9 form for the appropriate cable segment during the appropriate season. The limits on the NSTAR Cable Pair display are used by RTCA for Non Field SPS purposes of modeling loss of the parallel cable onto the remaining cable.

Step 4.1 Primary Responsibility: Security Operator
Access ILC.

Step 4.2 Primary Responsibility: Security Operator
Access the "In Use Cable Pair ratings" display.

Instructions

- ☐ To access the current season's display:
 - ☐ Right click on the "NSTAR Cable Ratings Season" button;
 - ☐ Click on "In Use Cable Pair ratings".

Notes

- The "NSTAR Cable Ratings Season" button indicates what season is currently in use.
- When the operator right clicks on the button three choices are available: In Use, Summer, and Winter.
- The "In Use" selection will show the current limits being used but does **NOT** allow the limits to be modified. Limit modification can only be done from the applicable seasons display.

Step 4.3 Primary Responsibility: Security Operator
Locate the applicable cable / cable section and click on it.

Notes

Clicking on the applicable cable / cable section will take the operator to the cable / cable section entry on the current seasons display.

Step 4.4 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- If the Override box is NOT checked.

Select the Override checkbox for the applicable cable / cable section.

Step 4.5 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- The limit modification is applicable to all instances of that cable section.

Select the "Apply rating change to all sections" checkbox.

Notes


This makes the limit change applicable to all cable / cable section occurrences.

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Step 4.6 Primary Responsibility: Security Operator
Modify the applicable limit(s) for the cable / cable section.

Step 4.7 Primary Responsibility: Security Operator
Enter a reason for the modification in the comment field.

Notes

Once the Override box is checked the comment field will become available and is accessed by clicking on the "i" in a gray circle ().

Step 4.8 Primary Responsibility: Security Operator
Run a Network Sequence.

Step 4.9 Primary Responsibility: Security Operator
Click the "PWR" button.

Step 4.10 Primary Responsibility: Security Operator
Click the "Copy Clone of RTNET ILC" button, select "Yes" at the confirm action pop-up.

Step 4.11 Primary Responsibility: Security Operator
Enter the limit change on Attachment 1 - Modified Limits in EMS.

Instructions

Enter the following on Attachment 1:

- ☐ Station Names;
- ☐ Enter "NC" for the Line / Device # to indicate it is for the NSTAR cable monitoring tool;
- ☐ Applicable limits (Normal/LTE/STE/DAL);
- ☐ Start date and time for utilization of the limits;
- ☐ Reason for using the limits (be as specific as possible).

Notes

- Attachment 1 will be maintained in the "Temporary Limits" folder on the Control Room Sharepoint.
- This information is treated as NX-9 Data with an Official Retention time requirement of 6 years per RSKMGT.0020.0010, Appendix 2 - ISO Records Retention Schedule. The retention time period begins when the record is created.

Step 4.12 Primary Responsibility: Security Operator
Log the temporary limit.

Instructions

- ☐ Use log entry: > TRANSMISSION > TEMPORARY LIMIT > Implemented [E].
- ☐ Enter the following information:
 - ☐ Line number;
 - ☐ Terminal substations;
 - ☐ Previous limit set (Normal, LTE, STE, and DAL);
 - ☐ New limit set (Normal, LTE, STE, and DAL);
 - ☐ Expected duration, if known otherwise use "Until Further Notice";
 - ☐ CROW application requested "Yes/No"

Step 4.13 Primary Responsibility: Security Operator
Request the Senior System Operator perform a peer review of the temporary limits entered into EMS.

Instructions

Verify SCADA / RTNET values match the limit being implemented.

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Condition(s) to perform this section:

- Change of season for ISO-NE; Or
- Change NYISO to summer limits (May 1st); Or
- Boston heat exchanger status change.

Section 5 : Seasonal Limit Changes

Step 5.1 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- There are abnormal limits implemented in EMS for any transmission element.

Verify the applicability of currently used abnormal limits.

Instructions

- ☐ Using the abnormal limits display in RTNET and/or the currently used [Attachment 1 – Modified Limits in EMS](#):
 - ☐ Identify currently implemented abnormal limits that are different than the new season limit will be.
 - ☐ Discuss with the LCC which limit should be used after the seasonal limits change (i.e. whether to keep using the abnormal limit(s) or remove the abnormal limit(s) and use the new seasonal limits).

Step 5.2 Primary Responsibility: Security Operator


Modify SCADA and RTNET limit priorities.

Step 5.2.1 Primary Responsibility: Security Operator

Click the "LIM" button in RTNET.

Step 5.2.2 Primary Responsibility: Security Operator

Click "Copy Branch Limits".

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Step 5.2.3 Primary Responsibility: Security Operator

Modify the Limit Set Priorities.

Instructions

Use the following guidance when modifying the priorities:

- ☐ Month of April (NE – summer, NY – winter)
 - ☐ WINTER – Priority 3
 - ☐ SUMMER – Priority 2
 - ☐ NYSUMMER – Priority 4
 - ☐ BSTN-HE – Priority 5
 - ☐ APRIL – Priority 1
- ☐ Summer limits, BSTN heat exchangers out of service (May 1 – October 31)
 - ☐ WINTER – Priority 5
 - ☐ SUMMER – Priority 1
 - ☐ NYSUMMER – Priority 2
 - ☐ BSTN-HE – Priority 3
 - ☐ APRIL – Priority 4
- ☐ Summer limits, BSTN heat exchangers in service (May 1 – October 31)
 - ☐ WINTER – Priority 5
 - ☐ SUMMER – Priority 2
 - ☐ NYSUMMER – Priority 3
 - ☐ BSTN-HE – Priority 1
 - ☐ APRIL – Priority 4
- ☐ Winter limits (November 1 – March 31)
 - ☐ WINTER – Priority 1
 - ☐ SUMMER – Priority 2
 - ☐ NYSUMMER – Priority 3
 - ☐ BSTN-HE – Priority 4
 - ☐ APRIL – Priority 5

Notes

As cable heat exchanger status changes seasonally, the limit changes are initially maintained as abnormal limits. Once a majority of heat exchangers have changed status, the Boston CBL Heat Exchanger limit priority will be set to the desired value (“1” for heat exchangers being placed in service, “3” for heat exchangers being taken out of service) to set the default limits for the current configuration. At that point, any cables that **DO NOT** match the majority configuration will be maintained as abnormal limits.

Step 5.2.4 Primary Responsibility: Security Operator

Click the "Copy Branch Limit" button, select “Yes” at the confirm action pop-up.

Step 5.2.5 Primary Responsibility: Security Operator

Click the "Copy Online Limits to SCADA" button.

Step 5.2.6 Primary Responsibility: Security Operator

Click the "OK" button.

Step 5.2.7 Primary Responsibility: Security Operator

Confirm online limits reflect correct seasonal values

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Step 5.3 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- Change of season for ISO-NE.

Modify ILC in use cable limits.

Step 5.3.1 Primary Responsibility: Security Operator
Access ILC.

Step 5.3.2 Primary Responsibility: Security Operator
Access the "In Use Cable Pair ratings" display.

Instructions

- ☐ To access the display that will be used to modify ILC cable limits:
 - ☐ Right click on the "NSTAR Cable Ratings Season" button, which will cause another set of options to be displayed
 - ☐ Click on "In Use Cable Pair ratings"

Step 5.3.3 Primary Responsibility: Security Operator
Change limits to the applicable season.

Instructions

- ☐ To switch to Winter:
 - ☐ Click "SUMMER RATINGS Enabled"
 - ☐ Click "Yes" when asked if you are sure you want to set Cable Ratings to WINTER.
- ☐ To switch to Summer:
 - ☐ Click "WINTER RATINGS Enabled"
 - ☐ Click "Yes" when asked if you are sure you want to set Cable Ratings to SUMMER.

Step 5.3.4 Primary Responsibility: Security Operator
Confirm online limits reflect correct seasonal values.

Step 5.4 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- Change of a season for ISO-NE.

Modify the status of an SPS in EMS with a seasonal setting using Section "Activate or Deactivate an SPS in RTCA and CAJR" of CROP.34011 Protection Systems (SPS or ACS).

Step 5.5 Primary Responsibility: Any Control Room Operator

Condition(s) to perform this step:

- Change of season for ISO-NE.

Update Powerflow and STCA Clones.

Notes

The following steps are performed to ensure operators are using accurate Powerflow/STCA clones in the initial hours of the seasonal change. On the first business day following the seasonal change, PSM will load all PWRFLOW clones and STCA clones with the latest ILC and RASMOM cases with the seasonal limit change applied.

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Step 5.5.1 Primary Responsibility: Any Control Room Operator
Click the "PWR" button.

Step 5.5.1.1 Primary Responsibility: Any Control Room Operator
Click "Copy Clone of RTNET ILC", select "Yes" at the confirm action pop-up.

Step 5.5.2 Primary Responsibility: Any Control Room Operator
Click the "STCA" button.

Step 5.5.2.1 Primary Responsibility: Any Control Room Operator
Click "Copy Clone of RTCA RASMOM". select "Yes" at the confirm action pop-up.

Step 5.6 Primary Responsibility: Security Operator

Condition(s) to perform this step:

- Change of season for ISO-NE.

Modify the Load Cycle Season selection in the MLCC 15 H tool.

Notes

This will cause the software to use the reference time entered for the season when a table within MLCC 15 Attachment H uses Load Cycle.

Step 5.6.1 Primary Responsibility: Security Operator
Click the "MLCC 15 H" button in RTNET.

Step 5.6.2 Primary Responsibility: Security Operator
Click the "Load cycle season: " button.

Step 5.6.3 Primary Responsibility: Security Operator
Click the "Yes" on the confirm action pop-up.

Step 5.7 Primary Responsibility: Security Operator
Verbally notify each LCC Control Room of the seasonal limit change.

Instructions

- ☐ For the April 1st and November 1st seasonal limit change notify the following:
 - ☐ CONVEX
 - ☐ CMP
 - ☐ NGRID
 - ☐ NEW HAMPSHIRE
 - ☐ NSTAR
 - ☐ RIE
 - ☐ VELCO
- ☐ For the May 1st NYISO seasonal limit change notify the following:
 - ☐ CONVEX
 - ☐ NGRID
 - ☐ VELCO



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Step 5.8

Primary Responsibility: Security Operator

Verbally notify the applicable neighboring RCs of the seasonal limit change.

Step 5.9

Primary Responsibility: Security Operator

Log the seasonal limit change.

Instructions

- ☐ Use Log entry: > TRANSMISSION > Seasonal Limit Change.
- ☐ Select the notified entities.

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Condition(s) to perform this section:

- RTS Group has requested that a kV schedule be modified in the OP-12B tool; Or
- An Alternate voltage schedule for a resource is being utilized.

Section 6 : Modifying a kV schedule in OP-12B tool

Step 6.1

Primary Responsibility: Security Operator

Notify the Operations Shift Supervisor that a kV schedule is being modified.

Step 6.2

Primary Responsibility: Security Operator

Modify kV schedule in OP-12B tool.

Instructions

- ☐ Perform the following to modify kV source in OP-12B or MLCC 15H tools:
 - ☐ Access RTNET;
 - ☐ Click the “OP12B” button to access the Networks Limits display;
 - ☐ Locate the station;
 - ☐ Click the “i” in the gray circle in the “kV Schedules” column to bring up the kV Schedules display for an individual point;
 - ☐ Modify the default kV schedule being used to an alternate schedule;
 - ☐ Enter the alternate value(s) in the “Override” row and the “In Use” flag is set for the “Override” row;
 - ☐ Enter a reason for the modification in the “Operator Note” section.

Step 6.3

Primary Responsibility: Security Operator

Notify the applicable LCC of the modified kV schedule parameter.

Step 6.4

Primary Responsibility: Security Operator

Log the modification to a voltage schedule.

Instructions

Use log entry: > TRANSMISSION > OP12B Voltage [E].

Revision History

Rev. No.	Date (MM/DD/YY)	Reason	Contact
--	04/29/19	For previous revision history, refer to Rev 11 available through Ask ISO	Steven Gould
12	01/02/20	Added clarification to step 5.3 Updated classification of Attachment 1	Steven Gould
13	05/08/20	Added section 6 to modify a kV schedule	Steven Gould
14	07/21/20	Added Steps 2.6 and 3.8 for notifying RCs of Temporary Limits	Steven Gould
15	01/08/21	Due to EMS 3.2 upgrade limit names have changed for sections 1 and 2.	Steven Gould
16	06/15/21	Updated References, Renamed Section 3, Added instruction steps in 1.3, 2.2 & 3.4. Updated Section 3 due to renaming, Added Steps 5.6, 5.7, 5.8 for Seasonal limit change notifications and logging. Corrected button name changes due to EMS 3.2.	Steven Gould
17	07/20/21	Added new Steps 1.6 and 1.7, updated Common Procedure Information, and reformatted the TOC.	Steven Gould
18	01/03/22	Added new step 5.1 to review abnormal limits prior to seasonal rating change	Steven Gould
19	05/13/22	Added Step 1.1.1 and 1.1.2, Added instructions to Step 1.6 and 1.7, Modified Steps 2.5, 2.6, 3.7 and 3.8, clarified Notes in background and Step 1.1.1; Deleted Steps 1.4, 1.5, 1.6 & 1.7 as they were duplicate steps contained in Section 2 now changed Step 1.3 to utilize Section 2 to enter limits and added new condition to enter in Section 2;	Jonathan Gravelin
20	03/21/24	Added RIE as an LCC and removed submission via fax from Step 1.1.1	Jonathan Gravelin
21	09/16/24	Updated Step 2.5 and 3.7 after a review from the June 2024 MLCC Heads meeting; Added instructions and notes to Step 2.4; Added a condition to enter for Section 6; Added Steps 2.7 3.9 & 4.13.	Jonathan Gravelin

Attachment 1 - Modified Limits in EMS

NOTE
The information entered on this form is treated as NX-9 data with an Official Retention Time of 6 years.

Station Name	Line / Device #	Limit(s)	Start Date	Start Time	End Date	End Time	Reason