

September 1, 2023

To: ReliabilityFirst Compliance Contacts
Subject: RF Compliance Program Update Letter – September 2023



LAST CALL TO REGISTER for the RF Fall Workshop Sept. 26-27 in Pittsburgh, PA

The RF Fall Workshop will be held Sept. 26-27 at the Omni William Penn Hotel in Pittsburgh, PA. There will be CIPC and CUG meetings the morning of Sept. 26, followed by lunch at noon. During this workshop, we will discuss the importance of collaboration and partnerships to the electric industry amid the challenges of an ever-changing generation mix and the great energy transition. We will examine these interdependencies, with speakers from state government, natural gas, cybersecurity, and water industries. Plus, we'll have important updates from FERC, NERC, RF CMEP staff and more.

Day #1 of the workshop will be 12 to 5 p.m. and include speakers from different critical infrastructures, plus an update from FERC, followed by an evening reception.

Day #2 of the workshop will be 8 a.m. to 12 p.m. and focus on new NERC standards and internal controls.

REGISTER at [RF 2023 Fall Workshop Registration](#)

Important NERC Registration Information You Need to Know

NEW! Continued Improvement in Security Validation with Contacts – Changes forthcoming soon.

Maintaining security of the ERO Enterprise applications is improving, and there are several changes upcoming that will have an impact to contacts at registered entities.

1. Improved controls regarding application access or permissions.
2. Improved security validation with application access or permissions.
3. Improved notifications regarding application access or permissions.

NERC will roll out these changes within the next several months, and also provide more information and outreach materials. In addition, an email will be sent this week directing Entity Administrators to review access permissions for their entity or entities and revoke permissions for those that have left the organization.

IMPORTANT - Notification of Additional Changes in Status

Section 501.1.3.5 of NERC's Rules of Procedure requires the registered entity to notify NERC through its corresponding Regional Entity of any changes in ownership, corporate structure, or similar matters that affect the entity's responsibilities with respect to the Reliability Standards. Failure to notify NERC through its corresponding Regional Entity will not relieve the registered entity from any responsibility to comply with the Reliability Standards or be liable for any penalties or sanctions associated with failing to comply with such standards. RF requests that Registered Entities provide RF Registration with 30-60 days advance notice of any such changes impacting NERC Registration. Contact Bob Folt, Principal Analyst, RAM and NERC Registration with any questions at bob.folt@first.org.

E-ISAC Membership

As a registered entity, it is important, and expected, that you will join the Electricity Information Sharing and Analysis Center (E-ISAC). E-ISAC membership is available to North American asset owners and operators (AOOs) and select partner organizations, and there is no cost to join. The E-ISAC encourages security individuals with cyber, physical, or operational technology security responsibilities to apply for membership.

Please complete the E-ISAC Membership application here: <https://www.eisac.com/portal>. You may also contact the E-ISAC at memberservices@eisac.com with any questions.

NERC Alert System Registration

NERC's Alert System is the tool used to disseminate information that is critical to ensuring the reliability of the BPS in North America. NERC distributes Alerts broadly to owners, operators, and users of the BPS utilizing the listing of the NCR. Entities registered with NERC are required to provide and maintain up-to-date compliance and cyber security contacts.

As a separate part of the NERC registration process and inclusion on the NCR, please contact NERC via email at NERC.Alert@nerc.net to register or revise your listing for the NERC Alert System. Alternately, you may call the NERC Alerts Hotline at 404.446.9797 to speak with someone. Each registered entity identified in the NCR is required to notify NERC Alert of any corrections, revisions, deletions, changes in ownership, corporate structure, or similar matters that affect the Registered Entity's responsibilities with respect to the Reliability Standards.

The logo for GridSecCon 2023 is displayed on a dark blue rectangular background. The text "GRIDSEC CON 2023" is written in a large, white, sans-serif font. Below it, in a smaller white font, are the words "NERC • E-ISAC • NPCC" separated by white dots. The logo is framed by two horizontal white lines, one above and one below the text.

GRIDSEC CON 2023
NERC • E-ISAC • NPCC

GridSecCon 2023 Registration is Open

Make Plans to Attend GridSecCon – **Oct. 17-20** in Quebec City, Canada

NERC, the E-ISAC, and Northeast Power Coordinating Council (NPCC) are co-hosting the 12th annual grid security conference on Oct. 18 – 20 with training opportunities on Oct. 17 in Québec City, Canada. GridSecCon brings together cyber and physical security leaders from industry and government to deliver expert training sessions, share best practices and effective threat mitigation programs, and present lessons learned. For more information about GridSecCon please contact events@eisac.com.

Register here for [GridSecCon](#).

NEW! Cybersecurity Training for the Utility Workforce

Starting this fall, the Rural and Municipal Utility Cybersecurity (RMUC) Program, in partnership with Idaho National Laboratory, will host six free 3-day cybersecurity training opportunities for technical practitioners working in an electric utility. The training will focus on industrial control systems (ICS)

and operational technology (OT) cybersecurity and will include lectures and hands on exercises and challenges.

Additional information about registration and specific classes will be released soon. Please sign up for the RMUC Program mailing list at CESER.RMUC@hq.doe.gov if you are interested in receiving additional notifications.

The trainings will be held:

- October 31-November 2, 2023, in Columbus, OH
- November 28-30, 2023, in Orlando, FL
- December 5-7, 2023, in Kansas City, MO
- January 17-19, 2024, in San Diego, CA
- January 23-25, 2024, in Dallas, TX
- April 23-25, 2024, in Buffalo, NY

NEW! NERC Webinar Announcement

Winter Preparation for Severe Cold Weather

NERC will conduct a webinar to provide the industry with information and materials for use in entity cold weather preparedness. The webinar will include a winter reliability assessment update, Level 3 Alert for cold weather preparations update, thermal and inverter-based resources case studies and load forecasting. Industry specific presentations from: Clemson University, Duke Energy, Intersect Power/Radian Generation, PGE, PJM and NERC staff.

WHEN: September 7, 2023 | 1:00 – 3:00 p.m. Eastern

Click here for: [Webinar Registration](#)

NEW! SERC System Operator Conferences: In-Person and virtual options

If you need NERC CEHs or Professional Hours, have an interest in learning about Real-Time Assessments, Bulk Power System Awareness, Inverter-Based Resources, NERC Standards, Human Performance, and challenges in cyber and physical security, or would like to develop relationships with fellow industry experts, consider attending the upcoming 2023 SERC System Operator Conference (SOC).

The 2023 SERC SOC's are now open for registration. The 2023 fall conferences will take place at two different locations. Choose your preferred site and register quickly before all the seats are taken.

2023 SERC System Operator Conference Schedule - In-person attendance is \$475.

- [**SOC #3: September 12-14, 2023, at Embassy Suites, Franklin, TN \(IN-PERSON ONLY\)**](#) – Registration closes Tuesday, September 5, 2023
- [**SOC #4: October 24-26, 2023, at Embassy Suites, Tampa FL \(Virtual and In-person\)**](#) – Registration closes Friday, October 13, 2023

If you are unable to attend these sessions in person, SERC is also offering virtual options as well.

For additional information or if you have any questions, please visit the [SERC Calendar of Events](#) or contact Marty Sas, through [SERC Support](#).



IMPORTANT REMINDER – UPDATE COMPLIANCE CONTACT INFORMATION in CORES

Registered Entities are expected to review and update their Compliance Contacts information as changes occur. Updating compliance contact information is critical to ensure that our contact data remains fresh, accurate and current always. **Please periodically verify the names, addresses, phone numbers (cell) and email addresses for each Primary Compliance Contact (PCC), Primary Compliance Officer (PCO) and Alternate Compliance Contact (ACC) in the ERO Portal/CORES system.**



NERC Align Training Resources

In addition to the [RF Align page](#), the NERC Align Project page and FAQ document also contain helpful information. Self-service training resources provided for Registered Entity staff, including training videos and user guides, are available on the [NERC Training Site](#).

NERC's training site provides training and materials on a variety of topics for Align and other tools used by NERC, Regional Entity, and registered entity staff. Your Primary Compliance Contact is the designated Access Approver for Align for your company. Remember to check out NERC's Align project page or reach out to AskAlign@NERC.net for additional information.

Align support – ERO Help Desk Ticketing System

If users encounter any access or system problems with Align, CORES or any of the other NERC applications, first and foremost, try to resolve the issues yourself by using any one of the many self-service resources, guides and videos NERC has made available to you at training.nerc.net.

If you are unable to resolve the issue on your own, place a ticket using the NERC Helpdesk Ticket Submission System: support.nerc.net.

The ERO Help Desk Ticketing System (Footprints) is available to Registered Entity users 24/7 and is monitored by the Regions and NERC. We will do our best to address your questions, issues, and tickets as promptly as possible during normal business hours.



Monthly Technical Talk with RF Call

The next Tech Talk with RF will be held on **Monday, September 18, from 9-11:00 a.m. EDT.**

September 2023 Technical Talk with RF: *State Policy Edition*

Monday, September 18, 2023 9:00 – 11:00 AM | (UTC-04:00) Eastern Time (US & Canada)

<https://reliabilityfirst.webex.com/reliabilityfirst/j.php?MTID=m154c1e85218157bd239dfa44a224c9f4>

Webinar number: 2314 189 6813

Webinar password: 0123456

Join by phone: 1-650-479-3207 Call-in toll number (US/Canada)

Access code: 231 418 96813

Intended Audience

- State lawmakers, commissioners, and staff
- Policy makers engaged in state energy regulation
- National associations of regulatory commissioners
- Utility regulatory and government affairs personnel
- Transmission planners plus anyone interested in the reliability and socio-economic impacts of the changing and diverse generation mix

Agenda Topics

We will be discussing the aspects of the Energy Trilemma, the challenges associated with the energy transition in balancing cost, environment, and reliability.

- [Delaware State Senator Stephanie Hansen, 10th District](#)
Senator Hansen will highlight the success of the Delaware Energy Stakeholders' Group that she formed to develop and discuss energy legislation in Delaware. The group is comprised of about two dozen members from a wide range of stakeholders and interest groups to provide different viewpoints on the important topics at hand. ReliabilityFirst has recently joined the group, presented at the meetings, and participated in the discussions. The group consists of representatives from all of Delaware's utilities, the Public Service Commission, Public

Advocate, environmental and conservative organizations, the Department of Natural Resources, the Delaware Sustainable Energy Utility, PJM, members of the legislature, and others.

- [Dr. Lars Schernikau, Energy Economist, Entrepreneur, Commodity Trader, Author, Investor & Strategic Advisor](#)

Dr. Schernikau will be discussing the energy economics, return on investment, and raw material inputs in relation to the energy transition. He will share his insight on emerging technologies and how they support our clean energy future.

- [Abe Silverman, Director, Non-Technical Barriers to the Clean Energy Transition - Columbia University CGEP](#)

Mr. Silverman will share his experience and expertise with interconnection, transmission planning and transmission cost allocation. He will offer a deep dive into how states are thinking about contracted capacity versus realized capacity and what success looks like in our clean energy future while maintaining reliability.

For all Technical Talk with RF calls: [WebEx dial-in details](#) will be posted on a monthly basis to the RF website. Please contact [Michelle Cross](#), Manager External Affairs, with any questions, suggestions, or topics of interest for future calls.

Align Violations Reporting

As a reminder, any new violation of a Reliability Standard identified by a Registered Entity should be immediately self-reported to RF via the ERO Align system. Contact [Shirley Ortiz](#), Senior Paralegal, at (216) 503-0674 with any questions concerning self-reports.

2023 Upcoming Standards Subject to Future Enforcement - NONE

2024 Upcoming Standards Subject to Future Enforcement

CIP-004-7	Cyber Security – Personnel & Training	Jan. 1, 2024
CIP-011-3	Cyber Security – Information Protection	Jan. 1, 2024

FAC-001-4	Facility Interconnection Requirements	Jan. 1, 2024
FAC-002-4	Facility Interconnection Studies	Jan. 1, 2024
TPL-007-4	Transmission System Planned Performance for Geomagnetic Disturbance Events (Requirements R7, 7.1–7.3, 7.3.1–7.3.2, 7.4, 7.4.1–7.4.3, 7.5, 7.5.1., R11, 11.1–11.3, 11.3.1–11.3.2, 11.4, 11.4.1–11.4.3, 11.5, and 11.5.1)	Jan. 1, 2024
FAC-003-5	Transmission Vegetation Management	April 1, 2024
FAC-011-4	System Operating Limits Methodology for the Operations Horizon	April 1, 2024
FAC-014-3	Establish and Communicate System Operating Limits	April 1, 2024
IRO-008-3	Reliability Coordinator Operational Analyses and Real-time Assessments	April 1, 2024
PRC-002-3	Disturbance Monitoring and Reporting Requirements Implementation Plan	April 1, 2024
PRC-023-5	Transmission Relay Loadability Implementation Plan	April 1, 2024
PRC-026-2	Relay Performance During Stable Power Swings Implementation Plan	April 1, 2024
TOP-001-6	Transmission Operations	April 1, 2024
EOP-012-1	Extreme Cold Weather Preparedness and Operations (Requirements 1–2 effective 4/1/28; Requirement 4 effective 10/1/29)	Oct. 1, 2024

Please refer to the [U.S. Effective Dates](#) page on the NERC website for additional detail.

Periodic Data Submittals Due in September 2023 - NONE

Periodic Data Submittals Due in October 2023

10/20/2023	FAC-003	GO, TO	FAC-003-4 - Transmission Vegetation Management: Q3, 2023 Vegetation Outage Reporting – Align Data Submittal
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ERO Enterprise Periodic Data Submittals Schedule

2023 Consolidated ERO Enterprise Periodic Data Submittals Schedule

Background

The Compliance Enforcement Authority (CEA) requires Periodic Data Submittals in accordance with the schedule stated in the applicable Reliability Standards, as established by the CEA, or as-needed, in accordance with the NERC Rules of Procedure (ROP), Appendix 4C Section 4.6. The purpose of this schedule is to provide registered entities a consistent list of required Reliability Standard Periodic Data Submittals throughout the Electric Reliability Organization (ERO) Enterprise. Some of the below reporting dates may be impacted as potential enhancements to PDS functionality in Align are developed. The Regional Entities will work with each entity, as the need arises, to extend any reporting deadlines while facilitating reporting as close to the below dates as possible. NERC and the Regional Entities may also request data or information under Sections 800 or 1600 of the NERC ROP; these data requests are not included on this schedule.

The registered entities must provide the required information to the CEA in the format and by the required date specified in the request. The CEA reviews the data submittal to determine compliance with the Reliability Standards and may request additional data and/or information if necessary. If the CEA's review of the data submittal indicates a potential noncompliance with a Reliability Standard requirement by the registered entity, the CEA performs a Preliminary Screen of the potential noncompliance in accordance with NERC ROP, Appendix 4C Section 4.8. As of 2021, all registered entities who use the Align tool for submitting data to their CEA will use the Align tool for the submission of Periodic Data Submittals, except as noted in the table. For additional information, please discuss with your CEA compliance contact.

ERO Enterprise Data Submittal Schedule				
ERO-Wide Data Submittal Schedule				
Reliability Standard	Requirement(s)	Submit To	Submittal Frequency	Proposed Due Dates
BAL-003-2 ¹	R1	NERC	Annually	Per dates as detailed in BAL-003-2 Reliability Standard Attachment A's Timeline for Balancing Authority Frequency Response and Frequency Bias Setting Activities
EOP-004-4 ²	R2	NERC	Per Standard	Event Driven
EOP-008-2	R8	RE	Per Standard	Within six calendar months of the date when the functionality is lost

¹ Data is reported through the NERC Balancing Authority Submittal Site (BASS) rather than through Align. This site is maintained by the NERC Resource Subcommittee.

² Data is reported to the NERC System Awareness team (per attachment 1 of EOP-004-4) as well as through Align.

ERO Enterprise Data Submittal Schedule				
ERO-Wide Data Submittal Schedule				
Reliability Standard	Requirement(s)	Submit To	Submittal Frequency	Proposed Due Dates
FAC-003-4	C.1.4	RE	Quarterly	20 days after the end of the quarter
PRC-002-2	R12	RE	Per Standard	Within 90 calendar days of the discovery of a failure of the recording capability for the SER, FR, or DDR data
PRC-023-4	R5	RE	Annually	At least once each calendar year, with no more than 15 months between reports. This applies only if the entity chooses to set relays on circuits according to Criterion 12 of R1.
PRC-023-4	R6.2	RE	Per Standard	Within 30 calendar days of the establishment of the initial list and within 30 days of any changes to list
TPL-001-4³ TPL-001-5.1	Multiple See Footnote 12	RE	Per Standard	After the PC or TP receives assurance that their applicable regulatory authorities or governing bodies responsible for electric service issues do not object to the use of Non-Consequential Load Loss under footnote 12. See Appendix A for additional details on the ERO process for the determination as described in Attachment 1 of TPL-001-4.
TPL-007-4	R7.4	RE	Per Standard	Within a timely manner following the identification of the responsible entity being unable to implement the CAP within the timetable submitted for Part 7.3 and prior to the end date of the submitted timetable
TPL-007-4	R11.4	RE	Per Standard	Within 1 year of completion of the supplemental GMD Vulnerability Assessment and in a timely manner after determining that the implementation of the CAP by the responsible entity will require an extension of the timetable submitted per R11.3
RE-Specific Data Submittal Schedule				
Reliability Standard	Requirement(s)	Submit To	Submittal Frequency	Proposed Due Dates
BAL-001-TRE-2	R1	Texas RE	Per Standard	Within 14 calendar days after each Frequency Measurable Event
BAL-001-TRE-2	R2.2	Texas RE	Per Standard	By the end of the month in which the Primary Frequency Response calculation results were completed

³ TPL-001-4 becomes inactive on June 30, 2023 and will be replaced by TPL-001-5.1 on July 1, 2023.

Appendix A: Full Requirement Text or Subpart

Reliability Standard	Requirement(s)	Full Text of Requirement or subpart
BAL-003-2	R1	Each Frequency Response Sharing Group (FRSG) or Balancing Authority that is not a member of a FRSG shall achieve an annual Frequency Response Measure (FRM) (as calculated and reported in accordance with Attachment A) that is equal to or more negative than its Frequency Response Obligation (FRO) to ensure that sufficient Frequency Response is provided by each FRSG or BA that is not a member of a FRSG to maintain Interconnection Frequency Response equal to or more negative than the Interconnection Frequency Response Obligation.
EOP-004-4	R2	Each Responsible Entity shall report events specified in EOP-004-4 Attachment 1 to the entities specified per their event reporting Operating Plan by the later of 24 hours of recognition of meeting an event type threshold for reporting or by the end of the Responsible Entity's next business day (4 p.m. local time will be considered the end of the business day).
EOP-008-2	R8	Each Reliability Coordinator, Balancing Authority, and Transmission Operator that has experienced a loss of its primary or backup functionality and that anticipates that the loss of primary or backup functionality will last for more than six calendar months shall provide a plan to its Regional Entity within six calendar months of the date when the functionality is lost, showing how it will re-establish primary or backup functionality.
FAC-003-4	C.1.4	<p>The applicable Transmission Owner and applicable Generator Owner will submit a quarterly report to its Regional Entity, or the Regional Entity's designee, identifying all Sustained Outages of applicable lines operated within their Rating and all Rated Electrical Operating Conditions as determined by the applicable Transmission Owner or applicable Generator Owner to have been caused by vegetation, except as excluded in footnote 2, and including as a minimum the following:</p> <ul style="list-style-type: none"> The name of the circuit(s), the date, time and duration of the outage; the voltage of the circuit; a description of the cause of the outage; the category associated with the Sustained Outage; other pertinent comments; and any countermeasures taken by the applicable Transmission Owner or applicable Generator Owner. <p>A Sustained Outage is to be categorized as one of the following:</p> <ul style="list-style-type: none"> Category 1A — Grow-ins: Sustained Outages caused by vegetation growing into applicable lines, that are identified as an element of an IROL or Major WECC Transfer Path, by vegetation inside and/or outside of the ROW;

Reliability Standard	Requirement(s)	Full Text of Requirement or subpart
		<ul style="list-style-type: none"> • Category 1B — Grow-ins: Sustained Outages caused by vegetation growing into applicable lines, but are not identified as an element of an IROL or Major WECC Transfer Path, by vegetation inside and/or outside of the ROW; • Category 2A — Fall-ins: Sustained Outages caused by vegetation falling into applicable lines that are identified as an element of an IROL or Major WECC Transfer Path, from within the ROW; • Category 2B — Fall-ins: Sustained Outages caused by vegetation falling into applicable lines, but are not identified as an element of an IROL or Major WECC Transfer Path, from within the ROW; • Category 3 — Fall-ins: Sustained Outages caused by vegetation falling into applicable lines from outside the ROW; • Category 4A — Blowing together: Sustained Outages caused by vegetation and applicable lines that are identified as an element of an IROL or Major WECC Transfer Path, blowing together from within the ROW; • Category 4B — Blowing together: Sustained Outages caused by vegetation and applicable lines, but are not identified as an element of an IROL or Major WECC Transfer Path, blowing together from within the ROW. <p>The Regional Entity will report the outage information provided by applicable Transmission Owners and applicable Generator Owners, as per the above, quarterly to NERC, as well as any actions taken by the Regional Entity as a result of any of the reported Sustained Outages.</p>
PRC-002-2	R12	<p>Each Transmission Owner and Generator Owner shall, within 90-calendar days of the discovery of a failure of the recording capability for the SER, FR or DDR data, either:</p> <ul style="list-style-type: none"> • Restore the recording capability, or • Submit a Corrective Action Plan (CAP) to the Regional Entity and implement it.
PRC-023-4	R5	<p>Each Transmission Owner, Generator Owner, and Distribution Provider that sets transmission line relays according to Requirement R1 criterion 12 shall provide an updated list of the circuits associated with those relays to its Regional Entity at least once each calendar year, with no more than 15 months between reports, to allow the ERO to compile a list of all circuits that have protective relay settings that limit circuit capability.</p>
PRC-023-4	R6.2	<p>Provide the list of circuits to all Regional Entities, Reliability Coordinators, Transmission Owners, Generator Owners, and Distribution Providers within its Planning Coordinator area within 30-calendar days of the</p>

Reliability Standard	Requirement(s)	Full Text of Requirement or subpart
		establishment of the initial list and within 30-calendar days of any changes to that list.
TPL-001-4 TPL-001-5.1	Multiple See Footnote 12	An objective of the planning process is to minimize the likelihood and magnitude of Non-Consequential Load Loss following planning events. In limited circumstances, Non-Consequential Load Loss may be needed throughout the planning horizon to ensure that BES performance requirements are met. However, when Non-Consequential Load Loss is utilized under footnote 12 within the Near-Term Transmission Planning Horizon to address BES performance requirements, such interruption is limited to circumstances where the Non-Consequential Load Loss meets the conditions shown in Attachment 1. In no case can the planned Non-Consequential Load Loss under footnote 12 exceed 75 MW for US registered entities. The amount of planned Non-Consequential Load Loss for a non-US Registered Entity should be implemented in a manner that is consistent with, or under the direction of, the applicable governmental authority or its agency in the non-US jurisdiction.
TPL-007-4	R7.4	<p>The CAP shall:</p> <p>R7.4 Be submitted to the Compliance Enforcement Authority (CEA) with a request for extension of time if the responsible entity is unable to implement the CAP within the timetable provided in Part 7.3. The submitted CAP shall document the following:</p> <ul style="list-style-type: none"> • 7.4.1. Circumstances causing the delay for fully or partially implementing the selected actions in Part 7.1 and how those circumstances are beyond the control of the responsible entity; • 7.4.2. Revisions to the selected actions in Part 7.1, if any, including utilization of Operating Procedures, if applicable; and • 7.4.3. Updated timetable for implementing the selected actions in Part 7.1.
TPL-007-4	R11.4	<p>The CAP shall:</p> <p>R11.4 Be submitted to the CEA with a request for extension of time if the responsible entity is unable to implement the CAP within the timetable provided in Part 11.3. The submitted CAP shall document the following:</p> <ul style="list-style-type: none"> • 11.4.1. Circumstances causing the delay for fully or partially implementing the selected actions in Part 11.1 and how those circumstances are beyond the control of the responsible entity; • 11.4.2. Revisions to the selected actions in Part 11.1, if any, including utilization of Operating Procedures, if applicable; and • 11.4.3. Updated timetable for implementing the selected actions in Part 11.1.
BAL-001-TRE-2	R1	The Balancing Authority shall identify Frequency Measurable Events (FMEs), and within 14 calendar days after each FME the Balancing Authority shall notify the Compliance Enforcement Authority and make

Reliability Standard	Requirement(s)	Full Text of Requirement or subpart
		FME information (time of FME (t(0)), pre-perturbation average frequency, post-perturbation average frequency) publicly available.
BAL-001-TRE-2	R2.2	The calculation results shall be submitted to the Compliance Enforcement Authority and made available to the Generator Owner by the end of the month in which they were completed.

Appendix B: TPL-001-4⁴ Use of Footnote 12 for Non-Consequential Load Loss Review Process

Background

This Electric Reliability Organization (ERO) Enterprise⁵ TPL-001-4: Use of Footnote 12 for Non-Consequential Load Loss Review Process document addresses how ERO Enterprise staff will jointly review requests to utilize footnote 12 for Non-Consequential Load Loss under TPL-001-4 to determine whether it would cause any Adverse Reliability Impact in a timely, structured, and consistent manner.

NERC Compliance Assurance will maintain this document under existing ERO Enterprise processes. This document will be reviewed and updated by NERC Compliance Assurance, as needed.

Definitions

For purposes of this process, the following capitalized terms will have the definitions set forth in the NERC Glossary of Terms. For ease of reference, the definitions of the following terms that are used in this process are also included below.

Adverse Reliability Impact – The impact of an event that results in frequency-related instability; unplanned tripping of load or generation; or uncontrolled separation or cascading outages that affects a widespread area of the Interconnection.

Consequential Load Loss – All Load that is no longer served by the Transmission system as a result of Transmission Facilities being removed from service by a Protection System operation designed to isolate the fault.

Non-Consequential Load Loss – Non-Interruptible Load loss that does not include: (1) Consequential Load Loss, (2) the response of voltage sensitive Load, or (3) Load that is disconnected from the System by end user equipment.

These additional capitalized terms are also used in this process and have the definitions set forth below.

Affected Regional Entity (ARE) – A Regional Entity, other than the Lead Regional Entity, in which the Multi-Region Registered Entity participating in coordinated oversight is registered for various NERC functional responsibilities.

Compliance Enforcement Authority (CEA) – NERC or the Regional Entity in their respective roles of monitoring and enforcing compliance with the NERC Reliability Standards.

⁴ TPL-001-4 becomes inactive on June 30, 2023 and will be replaced by TPL-001-5.1 on July 1, 2023. Appendix B shall remain as written.

⁵ The ERO Enterprise is comprised of NERC and the Regional Entities.

Coordinated Oversight – The agreed upon steps and activities that a Lead Regional Entity and Affected Regional Entity(ies) follow for coordinating activities associated with delegated functions (e.g., compliance and enforcement, system events, etc.) for Multi-Region Registered Entities that have been approved for participation in the Program.

Lead Regional Entity (LRE) – The Regional Entity selected by the Electric Reliability Organization (ERO) Enterprise to lead coordinated efforts related to oversight of a Multi-Region Registered Entity participating in the Program. When appropriate, the ERO Enterprise may designate more than one LRE. The designated LRE could be changed, as agreed upon by the ERO Enterprise. In the event of a change, the registered entity will be notified 60 days prior to the effective date of the change.

Multi-Region Registered Entity (MRRE) – For the purposes of this guide, a registered entity—or two or more registered entities that are corporate affiliates—performing bulk electric system (BES) functions in two or more Regional Entities that has been approved for coordinated functions and responsibilities by the ERO Enterprise. It is acknowledged there are other registered entities that are corporate affiliates and performing BES functions in two or more Regional Entities that are not included in the Program.

Process Overview

If a Planning Coordinator (PC) or Transmission Planner (TP) (entity) has determined that the use of Non-Consequential Load Loss under Table 1, footnote 12 is needed as an element of a Corrective Action Plan in Year One of the Planning Assessment, then the entity must ensure that the applicable regulatory authorities or governing bodies responsible for retail electric service issues do not object to the use of Non-Consequential Load Loss under footnote 12, and then submit a request the ERO for a determination of whether there are any Adverse Reliability Impacts caused by the request to utilize footnote 12 for Non-Consequential Load Loss, if certain conditions are met as outlined in Attachment 1 of TPL-001-4.

Attachment 1 indicates that the applicable regulatory authorities or governing bodies responsible for electric service must object or not object to the use of non-consequential load loss prior to a final ERO review and determination if either:

1. The voltage level of the Contingency is greater than 300 kV:
 - a. The Contingency analyzed involves BES Elements at multiple System voltage levels, the lowest System voltage level of the element(s) removed for the analyzed Contingency determines the stated performance criteria regarding allowances for Non-Consequential Load Loss under footnote 12, or
 - b. For a non-generator step up transformer outage Contingency, the 300 kV limit applies to the low side winding (excluding tertiary windings). For a generator or generator step up transformer outage Contingency, the 300 kV limit applies to the BES connected voltage (high-side of the Generator Step Up transformer)
2. The planned Non-Consequential Load Loss under footnote 12 is greater than or equal to 25 MW.

Once assurance has been received that the applicable regulatory authorities or governing bodies responsible for retail electric service issues do not object to the use of Non-Consequential Load Loss

under footnote 12, the Planning Coordinator or Transmission Planner will submit a request to the ERO for a determination of whether there are any Adverse Reliability Impacts caused by the request to utilize footnote 12 for Non-Consequential Load Loss. The burden to provide a sufficient basis for why the use of Non-Consequential Load Loss under footnote 12 does not result in Adverse Reliability Impacts is on the submitting entity. It is the responsibility of the joint Regional Entity and NERC team to review the submission and make a determination of whether the entity has demonstrated that the use of Non-Consequential Load Loss under footnote 12 does not result in Adverse Reliability Impacts.

The steps outlined here should be followed to ensure a timely, structured, and consistent approach to determining whether any Adverse Reliability Impacts are caused by the request to utilize footnote 12 for Non-Consequential Load Loss.

The entity will work with the Regional Entity designated as its Compliance Enforcement Authority (CEA) as outlined in this process and shown in **Figure 1: Non-Consequential Load Loss Review Process Flow Chart**. For MRREs in Coordinated Oversight, the CEA for this process is the Lead Regional Entity (LRE). The LRE will coordinate with the Affected Regional Entity(ies) (ARE), and the ARE(s) may participate in the joint review as well.

Step 1 – Registered Entity Submittal

If a PC or TP has determined that the use of Non-Consequential Load Loss under footnote 12 is needed as an element of a Corrective Action Plan in Year One of the Planning Assessment and meets the criteria in Attachment 1 Section III.1 or III.2, and assurance has been received that the applicable regulatory authorities or governing bodies responsible for retail electric service issues do not object to the use of Non-Consequential Load Loss under footnote 12, then the entity will contact their Compliance Enforcement Authority (CEA) to coordinate submittal of the necessary information.

The entity shall submit the requisite data through the Align tool in the Periodic Data Submittal portlet; using the Secure Evidence Locker as needed. The CEA will acknowledge receipt of the submission within 15 days and review that all information requested in Align is provided in the entity's submittal. If the submittal is incomplete, the CEA will inform the entity to resubmit and the process will restart. The CEA will notify NERC Compliance Assurance when acknowledging receipt of the submission.

The entity submitting the request may withdraw the request any time prior to the CEA communicating the final determination.

Step 2 – ERO Enterprise Review

The CEA and NERC will form an ERO Enterprise Review Panel (review panel) comprised of not less than four (4) total individuals from the Region and NERC. The review panel will perform a review of the submitted information and develop a preliminary determination of whether any Adverse Reliability Impacts are caused by the request to utilize footnote 12 for Non-Consequential Load Loss within 90 days of its acknowledgement of the receipt of submission. During its review, the review panel may work through the CEA to request additional information from the entity submitting the request.

If the review panel determines it will be unable to complete its review within the established timeframe, the review panel, based on consultation with the managers of NERC Compliance Assurance and NERC Power System Analysis, will establish a revised timeline for completing its review. The revised timeline for review and determination will be provided to the entity by the CEA.

Step 3 – ERO Determination

The review panel will present to the NERC Vice President of Engineering and Standards for approval of the preliminary determination as the ERO determination. The review panel will communicate the ERO determination and rationale to NERC Compliance Assurance and the CEA.

The CEA will then communicate the ERO determination in writing to the entity along with the rationale for the determination within 30 days of NERC's Vice President of Engineering and Standards receiving the review panel's preliminary determination.

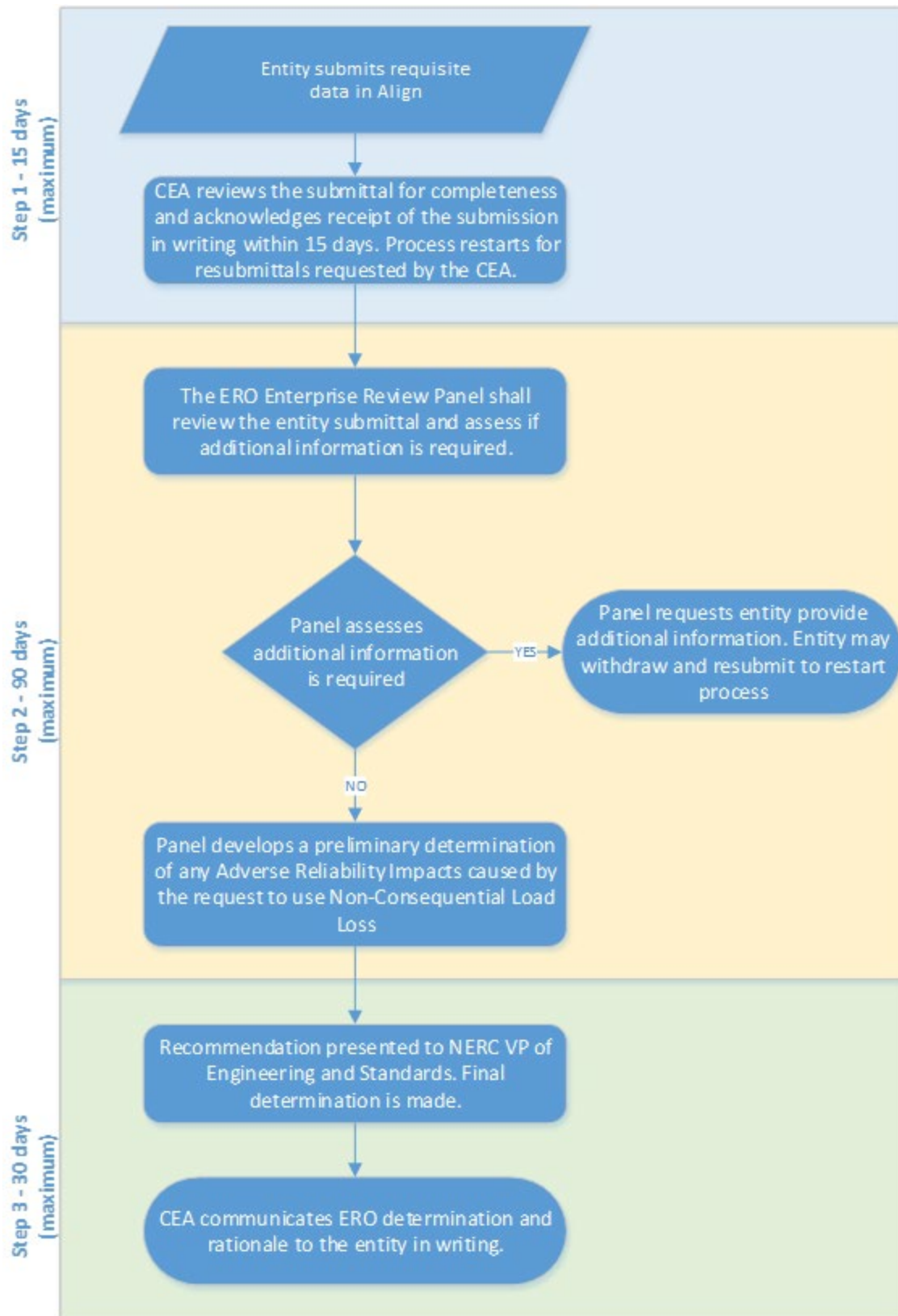


Figure 1: Non-Consequential Load Loss Review Process Flow Chart

Appendix C: TPL-007-4 CAP Extension Request Review Process

Background

This Electric Reliability Organization (ERO) Enterprise TPL-007-4 Corrective Action Plan (CAP) Extension Review Process document addresses how ERO Enterprise Compliance Monitoring and Enforcement staff (CMEP staff) will jointly review requests for extensions to CAPs developed under TPL-007-4 to ensure a timely, structured and consistent approach to CAP extension request submittals and processing.

NERC Compliance Assurance will maintain this document under existing ERO Enterprise processes. This document will be reviewed and updated by NERC Compliance Assurance, as needed.

Process Overview

If a registered entity (entity) has determined that a Corrective Action Plan (CAP) developed in accordance with TPL-007-4 Requirements R7 or R11 cannot meet the timetable provided per R7 Part 7.3 or R11 Part 11.3 due to situations beyond the control of the responsible entity, then the entity will submit an extension request to the ERO Enterprise for approval prior to the original required CAP completion date.

The steps outlined here should be followed to ensure a timely, structured, and consistent approach to extension request submittals and processing.

The entity will work with the Regional Entity designated as its CEA as outlined in this process. The entity submitting the extension request will be referred to as the 'submitting entity' and may represent only itself or multiple registered entities who have developed a joint extension request. The submitting entity is responsible for ensuring all registered entities who are jointly submitting the extension request are listed in the requested information below and for distributing any communications from its CEA to the other entities that are part of the joint extension request. If a joint extension request is submitted for multiple registered entities who have different Regional Entities designated as the CEA, the submitting entity's CEA will perform the steps outlined in this process and will be responsible for coordinating with the Regional Entity(ies) that are the designated CEA for the additional entities party to the joint extension request.

For entities in Coordinated Oversight, the CEA for this process is the Lead Regional Entity (LRE). The LRE will coordinate with the Affected Regional Entity(ies) (ARE) and the AREs may participate in the joint review as well.

Step 1 – Registered Entity Submittal

If an entity determines that it cannot meet the required timetable for completing a CAP, the submitting entity will contact their CEA to coordinate submittal of an extension request. The submitting entity will submit the requisite data to their CEA through Align and the Secure Evidence Locker as needed.

Entities are encouraged to submit the extension request as soon as they are aware they will not meet the CAP completion date but no later than 60 days before the original required completion date to allow the CEA and NERC time to approve the extension request before the original required completion date.

If CAP extension requests are submitted less than 60 days before the original required completion date, the CEA and NERC may not have sufficient time to review the extension request before the required completion date. This could cause the entity not to meet its obligations under TPL-007-4 R7 Part 7.3 and R11 Part 11.3. It is the submitting entity's responsibility to ensure that all information detailed in TPL-007-4 Part 7.4 or 11.4 and requested in Align is provided in the entity's extension request submittal to facilitate the CEA and NERC review.

Step 2 – ERO Enterprise Review

The CEA will acknowledge receipt of the submission in writing within 15 days and review that all information detailed in TPL-007-4 R7 Part 7.4 or R11 Part 11.4 and requested in Align is provided in the submitting entity's extension request submittal. The CEA will work with the submitting entity to provide any missing information and will notify NERC of the extension request submittal when acknowledging receipt of the submission.

CMEP staff from the CEA and NERC will then perform a joint review of (1) the situation(s) beyond the control of the entity preventing implementation of the CAP within the identified timetable, and (2) the revisions to the CAP and updated timetable for implementing the selected actions. Any additional information requested to support the extension request review will be coordinated with the submitting entity by the CEA. The CEA and NERC will complete the review within 45 days or provide notification to the submitting entity that they are extending the time needed for review.

The Standard language states that an entity will submit an extension request for a full or partial delay in the implementation of the CAP within the timetable provided in TPL-007-4 R7 Part 7.3 or R11 Part 11.3. The determination whether to approve the extension request will be based on the specific facts and circumstances provided as to how the situations causing the delay in completing the CAP are beyond the control of the entity.

Examples of situations beyond the control of the responsible entity include, but are not limited to:

- Delays resulting from regulatory/legal processes, such as permitting;
- Delays resulting from stakeholder processes required by tariff;
- Delays resulting from equipment lead times; or
- Delays resulting from the inability to acquire necessary Right-of-Way.

Due diligence to order equipment, plan Right-of-Ways, obtain permits, etc., will be considered as part of the determination of whether a particular set of facts and circumstances constitute situations beyond the control of the entity. Additionally, cost may be a factor in whether a particular set of facts and

circumstances constitute situations that are beyond the control of the entity. However, the cost of mitigation alone is not likely to be determined to be a situation that is beyond the control of the entity.

Step 3 – Registered Entity Notification

The CEA will communicate the approval or denial of the extension request or continuation of the time needed to review the extension request in writing to the submitting entity including the rationale for the determination. For any continuation of the review, the CEA will also provide the submitting entity a revised timeline for when the determination will be provided.

Revision History

Version	Date	Revision Details
1.0	08/01/2022	-Initial Version – Updated from 2022 ERO Enterprise PDS Submittal Schedule