

Comment Report

Project Name: 2021-04 Modifications to PRC-002-2 | Glencoe Light SAR
Comment Period Start Date: 6/14/2021
Comment Period End Date: 7/13/2021
Associated Ballots:

There were 23 sets of responses, including comments from approximately 56 different people from approximately 50 companies representing 7 of the Industry Segments as shown in the table on the following pages.

Questions

- 1. Do you agree with the proposed scope as described in the SAR? If you do not agree, or if you agree but have comments or suggestions for the project scope please provide your recommendation and explanation.**
- 2. Provide any additional comments for the SAR drafting team to consider, if desired.**

Organization Name	Name	Segment(s)	Region	Group Name	Group Member Name	Group Member Organization	Group Member Segment(s)	Group Member Region
ACES Power Marketing	Jodirah Green	1,3,4,5,6	MRO,NA - Not Applicable,RF,SERC,Texas RE,WECC	ACES Standard Collaborations	Bob Solomon	Hoosier Energy Rural Electric Cooperative, Inc.	1	SERC
					Kevin Lyons	Central Iowa Power Cooperative	1	MRO
					Bill Hutchison	Southern Illinois Power Cooperative	1	SERC
					Jennifer Bray	Arizona Electric Power Cooperative, Inc.	1	WECC
					Ryan Strom	Buckeye Power, Inc.	5	RF
					Susan Sosbe	Wabash Valley Power Association	3	RF
MRO	Kendra Buesgens	1,2,3,4,5,6	MRO	MRO NSRF	Bobbi Welch	Midcontinent ISO, Inc.	2	MRO
					Christopher Bills	City of Independence Power & Light	4	MRO
					Fred Meyer	Algonquin Power Co.	1	MRO
					Jamie Monette	Allete - Minnesota Power, Inc.	1	MRO
					Jodi Jensen	Western Area Power Administration - Upper Great Plains East (WAPA)	1,6	MRO
					John Chang	Manitoba Hydro	1,3,6	MRO
					Larry Heckert	Alliant Energy Corporation Services, Inc.	4	MRO

					Marc Gomez	Southwestern Power Administration	1	MRO
					Matthew Harward	Southwest Power Pool, Inc.	2	MRO
					LaTroy Brumfield	American Transmission Company, LLC	1	MRO
					Bryan Sherrow	Kansas City Board Of Public Utilities	1	MRO
					Terry Harbour	MidAmerican Energy	1,3	MRO
					Jamison Cawley	Nebraska Public Power	1,3,5	MRO
					Seth Shoemaker	Muscatine Power & Water	1,3,5,6	MRO
					Michael Brytowski	Great River Energy	1,3,5,6	MRO
					Jeremy Voll	Basin Electric Power Cooperative	1,3,5	MRO
					Joe DePoorter	Madison Gas and Electric	4	MRO
					David Heins	Omaha Public Power District	1,3,5,6	MRO
					Bill Shultz	Southern Company Generation	5	MRO
Duke Energy	Kim Thomas	1,3,5,6	FRCC,RF,SERC,Texas RE	Duke Energy	Laura Lee	Duke Energy	1	SERC
					Dale Goodwine	Duke Energy	5	SERC
					Greg Cecil	Duke Energy	6	RF
FirstEnergy - FirstEnergy Corporation	Mark Garza	1,3,4,5,6		FE Voter	Julie Severino	FirstEnergy - FirstEnergy Corporation	1	RF
					Aaron Ghodooshim	FirstEnergy - FirstEnergy Corporation	3	RF
					Robert Loy	FirstEnergy - FirstEnergy Solutions	5	RF

					Ann Carey	FirstEnergy - FirstEnergy Solutions	6	RF
					Mark Garza	FirstEnergy- FirstEnergy	4	RF

1. Do you agree with the proposed scope as described in the SAR? If you do not agree, or if you agree but have comments or suggestions for the project scope please provide your recommendation and explanation.

Dwanique Spiller - Berkshire Hathaway - NV Energy - 5 - WECC

Answer No

Document Name

Comment

We believe that the notified interconnecting entity should have the FR/SER coverage on the notified BES Element(s) jointly owned by the interconnecting entities, which connect to the applicable bus owned by the notifying entity. We do not agree that the requirement calls for FR/SER monitoring on the lines, buses, transformers, and breakers on the bus owned by the notified entity, if the interconnecting BES element is only the line connecting to the bus owned by the notifying entity, as stipulated in the SAR proposal.

Likes 0

Dislikes 0

Response

Lindsay Wickizer - Berkshire Hathaway - PacifiCorp - 6

Answer No

Document Name

Comment

The existing language of the standard defines only that the individual entities must provide notification and have data available. Under this language the entities are still free to collaborate in providing SER and FR data. The full submission from Glencoe Light and Power Goes on to stipulate: Requirement R1, Part 1.2 should be modified such that only the directly connected BES Element owner to the identified BES bus at the same voltage level within the same physical location sharing a common ground grid of the identified BES bus shall have FR data.

Following this more prescriptive language recommended by Glencoe limits the opportunity for collaboration.

Likes 0

Dislikes 0

Response

Maryanne Darling-Reich - Black Hills Corporation - 1,3,5,6 - MRO,WECC

Answer Yes

Document Name

Comment

Black Hills Corporation would also recommend including more clarification on which party (BES bus owner or BES element owner) is responsible for installing FR and/or SER equipment.

Likes 0

Dislikes 0

Response

Thomas Foltz - AEP - 3,5,6

Answer

Yes

Document Name

Comment

AEP agrees with the proposed scope, direction, and intended purpose and goals of the proposed SAR as drafted by Glencoe Light and Power. We recommend it be pursued, as we believe the effort would provide clarity and that the resulting efficiencies would benefit industry.

While both the IRPTF SAR and the Glencoe Power and Light SAR each focus on revising PRC-002, their perceived needs and expressed goals are quite different. Because only one single SAR governs a project at any point in time, and because the unique efforts for the IRPTF SAR will likely be met with much more resistance than the Glencoe SAR, AEP recommends breaking this project into multiple phases, each with its own SAR governance. The Glencoe SAR will likely encounter less resistance from industry than the IRPTF SAR, so we recommend that the Glencoe SAR govern the first phase of the project. Once that phase is complete, the second phase could then begin with the IRPTF SAR governing Phase 2. Pursuing Project 2021-04 this way would be much more efficient, allowing progress to be made more quickly on the purpose and goal on the Glencoe SAR, and without potential delay associated to any resistance to efforts related to the IRPTF SAR.

Likes 0

Dislikes 0

Response

Kendra Buesgens - MRO - 1,2,3,4,5,6 - MRO, Group Name MRO NSRF

Answer

Yes

Document Name

Comment

The notification and data responsibility requirements in PRC-002 R1 and R3 needs clarification.

When identifying BES buses for monitoring bus in this standard is defined as a physical bus with breakers connected at the same voltage level within the same physical location sharing a common ground grid. For the sake of this standard, the BES Elements identified for monitoring should be defined in the same way avoiding including BES Elements that are remote to the identified BES bus-like transmission lines and their remote terminals.

The original intent of the standard drafting team was to make sure that the SER and FR data was available at the identified buses, so the connected BES Elements should be limited to BES Elements local to the identified BES buses and not include transmission lines and their remote breakers.

Likes 0

Dislikes 0

Response

Carl Pineault - Hydro-Qu?bec Production - 1,5

Answer

Yes

Document Name

Comment

No comments

Likes 0

Dislikes 0

Response

Kim Thomas - Duke Energy - 1,3,5,6 - SERC,RF, Group Name Duke Energy

Answer

Yes

Document Name

Comment

Duke Energy does not have comments at this time.

Likes 0

Dislikes 0

Response

Leonard Kula - Independent Electricity System Operator - 2

Answer

Yes

Document Name

Comment

N/A.

Likes 0

Dislikes 0

Response	
Daniela Atanasovski - APS - Arizona Public Service Co. - 1,3,5,6	
Answer	Yes
Document Name	
Comment	
AZPS supports the scope of the SAR submitted by Glencoe Light.	
Likes	0
Dislikes	0
Response	
Anthony Jablonski - ReliabilityFirst - 10	
Answer	Yes
Document Name	
Comment	
As noted by SAR written by Glencoe Light, the existing standard needs to be clarified as to whether it applies to directly connected versus remote buses indirectly connected. Pages 3 & 4 of the Glencoe Light SAR describe cases where ownership, notification, and compliance applicability for SER and/or FR data need to be clarified.	
Likes	0
Dislikes	0
Response	
William Steiner - Midwest Reliability Organization - 10	
Answer	Yes
Document Name	
Comment	
MRO agrees with the SAR that, in situations where the identified BES bus owner has the capability to measure and record the required FR data, the notification required by R1.2 and the possession of data required by R3 create compliance burdens for the entities subject to those requirements but may not be the best way to ensure that the data will be available for analysis. However, the solutions proposed in the SAR do not appear to ensure that the obligation to have data will be assigned clearly to one equipment owner. The SAR suggests that the owner of a BES Element connected to an identified BES bus should only be made responsible for having FR data in situations where the owner of the identified BES bus lacks the capability to obtain the data. This, however, would constitute a sort of cascading applicability scheme where the failure of one entity (the bus owner) to meet the	

data requirement would kick the obligation back to the connected BES Element owner. This approach seems difficult to enforce and does not fully mitigate the issue of uncooperative neighboring entities.

While not fully supportive of the proposed solutions in the SAR, MRO does support revision of the standard to mitigate the dependency of one equipment owner on another to meet the data possession requirement in R3. Other applicability schemes could likely be utilized to make the applicability of each requirement clear to all entities.

Likes 0

Dislikes 0

Response

Richard Jackson - U.S. Bureau of Reclamation - 1,5

Answer

Yes

Document Name

Comment

Reclamation recommends the owner of the required equipment be the evaluating entity. Criteria to determine what Facilities require SER/FR and DDR equipment should be provided to remove ambiguity. Reclamation recommends the scope of the SAR also include the items described in the response to Question 2.

Likes 0

Dislikes 0

Response

Alan Kloster - Great Plains Energy - Kansas City Power and Light Co. - 1,3,5,6 - MRO

Answer

Yes

Document Name

Comment

Energy supports and incorporates by reference Edison Electric Institute's (EEI) response to Question 1.

Likes 0

Dislikes 0

Response

Shannon Ferdinand - Decatur Energy Center LLC - 5

Answer

Yes

Document Name

Comment

In general Capital Power (on behalf of Decatur Energy Center and other Group 80 MRRE assets) agrees with the proposed scope. Please see additional comments in response 2.

Likes 0

Dislikes 0

Response

Mark Gray - Edison Electric Institute - NA - Not Applicable - NA - Not Applicable

Answer

Yes

Document Name

Comment

EI supports the concern identified in the Glencoe Light SAR that Requirement R1, Subpart 1.2 does not clearly identify under what conditions notified owners of BES Elements connected to BES busses, identified under Part 1.2 of PRC-002-2; are obligated to install sequence of events recording (SER) and fault recording (FR) equipment. Additionally, given the parallel posting of both the IRPTF and Glencoe Light SARs, consideration should be given to addressing these two SAR under a single project but through a multi-phased approach with the Glencoe Light scope SAR being addressed in the first phase.

Likes 0

Dislikes 0

Response

Donna Wood - Tri-State G and T Association, Inc. - 1,3,5

Answer

Yes

Document Name

Comment

Likes 0

Dislikes 0

Response

Mark Garza - FirstEnergy - FirstEnergy Corporation - 1,3,4,5,6, Group Name FE Voter

Answer

Yes

Document Name	
Comment	
Likes 0	
Dislikes 0	
Response	
David Jendras - Ameren - Ameren Services - 1,3,6	
Answer	Yes
Document Name	
Comment	
Likes 0	
Dislikes 0	
Response	
Jodirah Green - ACES Power Marketing - 1,3,4,5,6 - MRO,WECC,Texas RE,SERC,RF, Group Name ACES Standard Collaborations	
Answer	Yes
Document Name	
Comment	
Likes 0	
Dislikes 0	
Response	
Allie Gavin - International Transmission Company Holdings Corporation - 1 - MRO,RF	
Answer	Yes
Document Name	
Comment	
Likes 0	
Dislikes 0	

Response	
Rachel Coyne - Texas Reliability Entity, Inc. - 10	
Answer	Yes
Document Name	
Comment	
Likes	0
Dislikes	0

Response	
Brad Harris - CenterPoint Energy Houston Electric, LLC - 1 - Texas RE	
Answer	Yes
Document Name	
Comment	
Likes	0
Dislikes	0

Response	
Andrea Jessup - Bonneville Power Administration - 1,3,5,6 - WECC	
Answer	
Document Name	
Comment	
<p>BPA supports the project scope to modify Requirement R1, Part 1.2 to clarify notifications – it’s been unclear both what to expect in return when we send out a notification as well as what to do with a notification when we receive one. Because of this, we have done SER and DFR reviews on stations that were identified to us by other entities on top of completing reviews of our PRC-002-2 identified stations. More clarity is needed on what specifically must happen when you receive a notification.</p> <p>The standard also states that the owner must supply the data upon request, but BPA has worked with other utilities to ensure we don’t have gaps. There needs to be some leeway on allowing two or more utilities to have a formal, pre-established agreement if they choose to do so. It helps save utilities on cost if they can.</p>	
Likes	0
Dislikes	0

Response

2. Provide any additional comments for the SAR drafting team to consider, if desired.

Rachel Coyne - Texas Reliability Entity, Inc. - 10

Answer

Document Name

Comment

While Texas RE generally supports the scope of the proposed SAR and the overall intent of the proposed project, Texas RE proposes two additional areas for consideration in the upcoming project to improve the proposed PRC-002 Standard's overall effectiveness. First, the SDT should move periodic requirements set forth in the PRC-002 Implementation Plan directly in the Standard Requirement language contained in PRC-002-2 R1.3. Second, the SDT should review the "Median Method Excel Workbook" for potential anomalies. Texas RE provides additional details on each of these items below.

Periodic Requirements in the PRC-002-2 Implementation Plan

Texas RE is concerned there is a periodic requirement in the Implementation Plan for PRC-002-2, rather than in the requirement itself. Consistent with Standard Processes Manual, Section 4.4.3, implementation plans are intended to describe the proposed effective date, identify new or modified definitions, specify any prerequisite actions that need to be accomplished before entities are held responsible for compliance with the requirements, describe whether any conforming changes to other Reliability Standards will occur, and finally the Functional Entities that will be required to comply with the requirements.

In contrast to these core implementation plan elements, the PRC-002-2 implementation plan sets forth an explicit compliance periodicity that is not solely associated with registered entities' transition to compliance with the PRC-002-2 requirements. In particular, PRC-002-2, R1.3 states that TOs shall "re-evaluate buses at least once every five years and notify other owners...**and implement the re-evaluated list of BES buses as per the Implementation Plan.**" The current PRC-002-2 implementation plan in turn provides that "Entities shall be 100 percent compliant with a re-evaluated list from Requirement R1 or R5 within three (3) years following the notification by the TO or the Responsible Entity that re-evaluated that list." When read together, therefore, the PRC-002-2 Registered Entities must continue to reference the current PRC-002-2 implementation plan in order to understand the requirement to implement the re-evaluated list of BES buses on a three-year cycle.

Texas RE recommends moving the three-year requirement from the PRC-002-2 implementation plan to the requirement language itself, as it is essentially a periodic requirement for TOs and is no longer associated with the prerequisite actions that need to be accomplished before Registered Entities are held responsible for PRC-002-2 R1.3. Such a change will provide additional clarity to registered entities as well as reduce the number of extraneous documents needed to comply with the standard.

Workbook Anomalies

In addition to explicitly incorporating the three-year BES bus re-evaluation language directly into the PRC-002-2 R1.3 requirement language, Texas RE also recommends the drafting team conduct a general re-evaluation of the "Median Method Excel Workbook" (located on the [original project page](#)) to ensure accurate evaluations. During the course of its ongoing compliance engagements, Texas RE staff discovered several potential anomalies and possible incorrect calculations throughout the Workbook. For example, Texas RE noticed the use of "SOER" (Sequence of Events Recording) within the Workbook, which had been removed from a Rationale dialog box in a [May 2014 redline](#):

(https://www.nerc.com/pa/Stand/Project%20200711%20Disturbance%20Monitoring%20DL/PRC-002-2_Disturbance_Monitoring_2014May09_redline.pdf).

Texas RE staff also determined the same number of bus placements based on the example data but that number **differed** from the example provided within the Workbook. When using real world data, it was discovered that there may not be enough guidance to determine bus placement in a repeatable fashion as Workbook instructions appeared to not consider repeat values for three phase short circuit (e.g. multiple busses having the same short circuit values).

Likes 0

Dislikes 0

Response

Mark Gray - Edison Electric Institute - NA - Not Applicable - NA - Not Applicable

Answer

Document Name

Comment

EI looks forward to reviewing a future Project 2021-04 SAR, which contains elements of both SARs.

Likes 0

Dislikes 0

Response

Shannon Ferdinand - Decatur Energy Center LLC - 5

Answer

Document Name

Comment

Capital Power (on behalf of Decatur Energy Center and other Group 80 MRRE assets) appreciates any opportunity to reduce the administrative burden related to certain Reliability Standards. However, in this case, the notification of only the impacted entities may result in instances where, due to an administrative error, a potentially in-scope entity is not notified and assumes it is out of scope because no notification was received. To mitigate this risk, Capital Power recommends one of the following solutions:

- Comprehensive, easily accessible list of all in-scope buses as well as what data is required
 - This will allow all entities, including those who may not have received a direct notification, to ensure that the lack of notification was not due to an administrative error
 - Ideally this list should be stored and/or facilitated on/via a centralized system such as NERC's Align system.
- Positive confirmation of out of scope – TOs should notify all entities of their in-scope or out of scope status

- Develop selection criteria specific to generators (inclusive of synchronous and inverter-based resources). Based on these criteria generators would be accountable and have the mechanism to make their own determination re. which assets require SER and FR.

Likes 0

Dislikes 0

Response

Alan Kloster - Great Plains Energy - Kansas City Power and Light Co. - 1,3,5,6 - MRO

Answer

Document Name

Comment

Eergy supports and incorporates by reference Edison Electric Institute's (EEl) response to Question 2.

Likes 0

Dislikes 0

Response

Andrea Jessup - Bonneville Power Administration - 1,3,5,6 - WECC

Answer

Document Name

Comment

In general PRC-002 is loosely written. BPA has submitted questions to WECC for clarification. R4.3 states "Trigger settings for at least the following: 4.3.1 Neutral (residual) over current. 4.3.2 Phase undervoltage or overcurrent"; this can be interpreted that the XFMR can have a phase undervoltage trigger even though R3 states: "3.1 phase- to neutral voltage for each phase of each specified BES bus. 3.2 Each phase current and the residual or neutral current for the following BES Elements: 3.2.1 Transformers that have a low-side operating voltage of 100kV or above. 3.2.2 Transmission Lines."

Likes 0

Dislikes 0

Response

Richard Jackson - U.S. Bureau of Reclamation - 1,5

Answer

Document Name

Comment

Reclamation recommends the PRC-002 SAR include provisions to modify Section 4.1, Requirement R1, Requirement R5, and Requirement R12 to address the following items:

- In the Western Interconnection, entities also receive notifications from the Planning Coordinator. Therefore, Section 4.1.3 should be revised to include Planning Coordinators.
- Requirement R1.3 should be modified to state the timeframe within which entities must be compliant with R2, R3, R4, R10, and R11 for any equipment added as a result of the TO's re-evaluation (i.e., within 3 years following the notification by the TO).
- Requirement R5.4 should be modified to state the timeframe within which entities must be compliant with R6, R7, R8, R9, R10, and R11 for any equipment added as a result of the Responsible Entity's re-evaluation (i.e., within 3 years following the notification by the Responsible Entity that re-evaluated the list). Alternatively, each requirement (R6 through R11) should state the time period after notification within which the required activity must be completed as a result of changes to the TO's or Responsible Entity's list.
- Reclamation recommends adding the sharing of protection system data when requested by the entity performing the R1 evaluation.
- Requirement R12 should be modified to add a required time limit within which to notify the Regional Entity(ies) of a failure of the recording capability. Regional Entities need to know as soon as the failure occurs or is discovered, not up to 90 days later.

Likes 0

Dislikes 0

Response

Jodirah Green - ACES Power Marketing - 1,3,4,5,6 - MRO,WECC,Texas RE,SERC,RF, Group Name ACES Standard Collaborations

Answer

Document Name

Comment

Thank you for the opportunity to comment.

Likes 0

Dislikes 0

Response

William Steiner - Midwest Reliability Organization - 10

Answer

Document Name

Comment

- MRO has noted that the standard is complicated and difficult to interpret. Proper interpretation requires a nuanced understanding of various terms including "BES bus", "BES Element", "connected", and "directly connected." These terms are defined by a combination of the NERC Glossary of Terms and the standard itself. The uses of these terms in the standard provide further insight into how the terms should be understood. A more

straightforward approach to defining terms in the standard would likely help to clarify the locations where recording is required as well as the delineation of responsibilities for obtaining data.

- The SAR includes the statement "the current standard could be interpreted that generation, transformer and transmission line owners could have FR data that is recorded at a location remote to the identified BES bus" and implies that this is somehow an unnecessary or undesirable interpretation. However, it is MRO's opinion that this is the proper interpretation as R3 does not dictate the exact location of current measurement, only that the entity must have current data for the applicable transmission lines and transformers. If, for some reason, the only location where current sensing and recording equipment was installed was at the remote end of a transmission line or transformer, it would make sense to utilize that equipment rather than require installation of new equipment nearer to the identified BES bus.

- Clarifications regarding the current version of the standard and MRO's interpretation:

- R1.2 notifications do not obligate entities to have data, only R3 does that. The notifications ensure that BES Element owners with R3 obligations are aware of those obligations. An overreaching notification from the identified BES bus owner to an adjacent owner of equipment that does not meet the criteria given in R3 would not create any compliance obligation for the adjacent owner.
- R1.2 and R3 are consistent with each other in addressing BES Elements "connected to the BES buses identified in Requirement R1."

Likes 0

Dislikes 0

Response

Anthony Jablonski - ReliabilityFirst - 10

Answer

Document Name

Comment

Process question, with two different SAR write-ups (IRPTF from June 2020 and Glencoe Light from April 2021) out for comment, would the Standards Committee assign one SDT to both of these SARs or would the SARs be combined into one SAR?

Likes 0

Dislikes 0

Response

Daniela Atanasovski - APS - Arizona Public Service Co. - 1,3,5,6

Answer

Document Name

Comment

None

Likes 0

Dislikes 0

Response

Dwanique Spiller - Berkshire Hathaway - NV Energy - 5 - WECC

Answer

Document Name

Comment

The proposal by Glencoe light does not address following issues, which should be addressed by the Standards Drafting Team on Requirement R1.

- The Requirement R1.2 obligates the notifying entity to notify the interconnecting entity about the FR or SER monitoring requirement on the interconnecting BES element(s) within 90 days of the determination of the BES buses. But it does not say anything about the obligation of the notified interconnecting entity in terms of time limits on their response or confirmation about implementing the FR/SER monitoring. There is provision to notify interconnecting FR/ER monitoring for the interconnecting BES element(s), but thereafter standard leaves it open. There is no follow-up on actual implementation of the FR/SER monitoring. The requirement should set some time limit on the notified entity to confirm/ or resolve issues if any towards implementing the FR/SER requirement. It should also address issues, when the applicable buses list of the notified interconnecting entity does not include the bus to which the interconnecting BES element in question is connecting.
- In the requirement R5, the Reliability Coordinator (RC) notifies the entities about DDR requirement. The RC should provide more details with the notification. Currently the RC notification merely includes the requirement no in the columns. It does not include why or how the requirement number was applied. For example If a notification of DDR monitoring goes to an entity under R5.1.5 (UVLS) or 5.1.2 (Stability of System Operating limits), then the standard does not clarify RC responsibility to notify other participating entities. The RC notification does not provide the details. What about the FR/SER monitoring requirement on those interconnections between entities if the buses do not figure in the 20% applicable buses list of the concerned entities?). The standard should address this.
- The requirement R1.1 should address step 8 of the algorithm in attachment 1 of the standard. For example, step 8 does not necessarily include the case of growing inverter-based resource monitoring. It has been noticed that while applying step 1-step7, the applicable buses tend to concentrate in the high MVA zones and distributed monitoring across the network does not occur. The standard or the algorithm need to be tweaked to address this issue.

Likes 0

Dislikes 0

Response

Mark Garza - FirstEnergy - FirstEnergy Corporation - 1,3,4,5,6, Group Name FE Voter

Answer

Document Name

Comment

N/A

Likes 0

Dislikes 0

Response

Leonard Kula - Independent Electricity System Operator - 2

Answer

Document Name

Comment

N/A.

Likes 0

Dislikes 0

Response

Kim Thomas - Duke Energy - 1,3,5,6 - SERC,RF, Group Name Duke Energy

Answer

Document Name

Comment

Duke Energy does not have comments at this time.

Likes 0

Dislikes 0

Response

Kendra Buesgens - MRO - 1,2,3,4,5,6 - MRO, Group Name MRO NSRF

Answer

Document Name

Comment

R1.2 should be further clarified to reduce needless administrative burden and state that notifications are only required when the Transmission Owner at the local bus needs data from the owner of the connected BES Element. Notifications stating that no data is required are an unnecessary administrative burden for the sender and recipient.

Likes 0

Dislikes 0

Response

“Comments received from Jamie Johnson – California ISO”

Question 1

Yes

Comments: Any clarifications to the scope of NERC registered entities responsibilities promote clarity and add to reliability activities.

Question 2 (no additional comments)

“Comments received from Wayne Sipperly – NAGF”

Question 1

Yes

Comments:

The NAGF agrees with the proposed scope to clarify the notification and data responsibility requirements in PRC-002 R1 and R3. The BES Elements identified for monitoring should be defined as “a physical bus with breakers connected at the same voltage level within the same physical location sharing a common ground grid” to avoid including BES Elements that are remote to the identified BES bus (e.g. transmission lines and their remote terminal equipment).

Where the intent is to ensure that the SER and FR data is available at the identified buses, the connected BES Elements should be limited to BES Elements local to the identified BES buses and not include transmission lines and their remote breakers

Question 2 (additional comments)

Comments:

PRC-002 R1.2 should be further clarified to reduce needless administrative burden and state that notifications are only required when the Transmission Owner at the local bus needs data from the owner of the connected BES Element. Notifications stating that no data is required are an unnecessary administrative burden for the sender and recipient.

The NAGF notes that the existing PRC-002-2 Rational section regarding R3 states that an FR exception exists for “Generator step-up transformers GSUs) and leads that connect the GSU transformer(s) to the Transmission System that are used exclusively to export energy directly from a BES generating unit or generating plant”. This needs to be clarified with regard to PRC-002-2 Requirement 1. TOs should be required to send separate SER and FR notifications, taking into account the exception for generator interconnection facilities.

“Comments received from Pamela Hunter – Southern Company”

Question 1

Yes

Comments:

The notification and data responsibility requirements in PRC-002 R1 and R3 needs clarification.

The BES Elements identified for monitoring should be defined as “a physical bus with breakers connected at the same voltage level within the same physical location sharing a common ground grid” to avoid including BES Elements that are remote to the identified BES bus (e.g. transmission lines and their remote terminal equipment).

Where the intent is to make sure that the SER and FR data is available at the identified buses, the connected BES Elements should be limited to BES Elements local to the identified BES buses and not include transmission lines and their remote breakers.

Question 2 (additional comments)**Comments:**

R1.2 should be further clarified to reduce needless administrative burden and state that notifications are only required when the Transmission Owner at the local bus needs data from the owner of the connected BES Element. Notifications stating that no data is required are an unnecessary administrative burden for the sender and recipient.

The usual order of precedence for NERC standards is that the Rationale section only explains the requirements and does not modify them. PRC-002-2 breaks this rule by treating SER and FR in a one-size-fits-both fashion in R1, then saying in the Rationale section that an FR exception exists for, 'Generator step-up transformers (GSUs) and leads that connect the GSU transformer(s) to the Transmission System that are used exclusively to export energy directly from a BES generating unit or generating plant.' It is awkward to have a letter from the TO saying that FR is required, and having to point-out to auditors that the Rationale section of PRC-002-2 overrules. PRC-002-3 should have TOs send separate SER and FR notifications, taking into account the exception for generator interconnection facilities.

“Comments received from Daniel Gacek – Exelon”**Question 1** **Yes**

Comments: Exelon agrees that the BES element owner should be responsible for data required for PRC-002-2. The BES Elements identified for monitoring should be defined as “a physical bus with breakers connected at the same voltage level within the same physical location sharing a common ground grid” to avoid including BES Elements that are remote to the identified BES bus (e.g. transmission lines and their remote terminal equipment).

Question 2 (additional comments)**Comments:**

Receiving notifications from a TO that data is not required for a BES Element is beneficial and such notifications should not be eliminated by changes to the standard.