

CIP-002 Transmission Owner Control Centers (TOCCs) Field Test Questionnaire 2

Project 2021-03

Please complete the following questions to help us better understand your system.

As a NERC Control Center is applicable to specific configurations, an entity may have no CC, may have one, or could possibly have multiple CC locations. To the extent that an entity has multiple CC locations that control different BES Transmission Elements, the entity should complete a separate questionnaire for each CC location or clearly delineate between each CC location on the questionnaire as the individual outcomes of the application of Criterion 2.12 could be different.

Terms explained for the purposes of this questionnaire. (Definitions below apply to this questionnaire and are not necessarily consistent with other ERO approaches.)

- **Capability** – An entity has the capability to operate if that registered entity’s “control environment” (Control Center, control room, site where personnel are physically located to perform duties to conduct the delivery of electricity) has one or more SCADA/PLC/Other electronic control system(s) that can operate electrical equipment such as breakers, switches, or disconnects in either normal or emergency conditions. The entity may have the authority to operate electrical equipment or may require authorization from another entity prior to operating electrical equipment.
- **Authority** – An entity with the authority to operate electrical equipment has the contractual ability to either operate electrical equipment, or give orders to another entity with the capability (but no authority) to operate electrical equipment.
- **Operate** – The ability to enable the function of an electrical device or equipment. Examples include opening a breaker or disabling the reclosing function of a breaker. Operations may be performed locally (e.g., at a substation) or remotely (e.g., from a different substation or from a Control Center/control room/site where personnel are physically located to perform tasks as required for the delivery of electricity).

Reference Question 2 from Questionnaire 1:

Do you have a site that is staffed by operating personnel, from which you can remotely operate BES Transmission Elements at two or more locations?

Yes No

Complete the following for the site(s) referenced in Question 2:

1. How many Bulk Electric System (BES) breakers do you have the capability¹ to operate from this site via SCADA, including any breakers that you would only operate with authority² from another entity?

2. How many BES switches do you have the capability to operate from this site via SCADA, including any switches that you would only operate with authority from another entity?

3. Aside from your capability to operate devices from this site via SCADA, do you require authorization from another entity prior to operating any device? Do you have the capability to operate any devices via SCADA in an emergency independent of your authorizing entity? Please describe your capability and authority with respect to operation of your electrical devices.

¹ Reference definition on Page 1 of this document.

² Reference definition on Page 1 of this document.

- 4.
- a. Have you adapted your SCADA system at this site to enable/disable the capability to operate any of your BES Transmission Elements?
- Yes No
- b. If so, did your enabling/disabling occur via a physical disconnection (visible open/air gap) or via software? What actions would be required to restore SCADA capability?

5. Does another entity have the capability to fully isolate your BES Transmission Elements from the BES via their own SCADA systems that do not rely on cyber systems located at this site?
- Yes No

6. Have your BES Transmission Elements ever intentionally or unintentionally been cut off from the BES? If yes, describe any resulting impacts to the remaining BES.

Yes No

- 7.
- a. Does any other entity have the capability to operate your BES Transmission Elements³ via their own SCADA system?

Yes No

- b. If yes, must that entity rely on any cyber asset associated at this site such as, but not limited to, ICCP?

Yes No

³ This excludes equipment owned by you where you are not able to control, access, nor perform maintenance activity. Such equipment is located within another entity's Facility, and ownership is solely designated to hold you responsible for the cost of maintenance as required and performed by the other entity.

8. Are you required to provide data from your BES Cyber Systems (BCS) to Transmission Operators (TOP) or Reliability Coordinators (RC) per IRO-010 and TOP-003, as necessary for those entities to perform their Operational Planning Analysis, Real-time monitoring, and Real-time Assessments? If so, describe the impact to those entities if your data link to that entity were to go down. Explain any mitigating actions that you would take until your data link could be restored. Please provide the date and time, along with a description of impacts to any TOP/RC, for any past event in which your data link to that entity went down in the past five years.

Yes No

9. Can protective relays and/or metering equipment be remotely accessed by a BES Cyber System located at your site? What level of access (i.e., event and fault data only and/or ability to change relay settings and metering configuration)?

Yes No

10. Do you have a contingency plan for loss/interruption of BES Cyber System(s) located at your site? At a high level, what does it cover?

Yes No

11. Please complete the TOCC Definition Power Flow Instruction Document associated with Questionnaire 2 for each site.