



NPCC Request for Criteria Clarification

Note: A Clarification cannot be used to revise the Criteria within a Directory.

Request for a Clarification of Criteria
Date submitted: 11/17/2023
Date revised version submitted:
Contact information for person requesting the interpretation:
Name: Roman Solomonyuk
Organization: PSEG Long Island
Telephone: 516-534-0573
E-mail: Roman.Solomonyuk@pseg.com
Identify the Directory that needs clarification:
Directory Number: 4
Directory Title: Bulk Power System Protection Criteria
Identify specifically what portion of the Criteria needs clarification:
Text of Requirement: 5.8.5 DC systems shall be continuously monitored and annunciated to detect abnormal voltage levels (both high and low), DC grounds, and loss of ac to the battery chargers, in order to allow prompt attention by the appropriate operating authorities.



Identify the material impact associated with this interpretation:

Identify the material impact to your organization or others caused by the lack of clarity or an incorrect interpretation of this Directory:

An incorrect interpretation of the above requirement may result in entities adding additional wiring for each individual alarm condition contact instead of using a single group alarm contact with less wiring requirements.

Task Force Response to Request for Criteria Clarification: Directory 04 for the PSEG Long Island

The following interpretation of Directory was developed by the Task Force on January 24, 2024

Directory Number and Text of Requirement

Directory #4

5.8.5 DC systems shall be continuously monitored and annunciated to detect abnormal voltage levels (both high and low), DC grounds, and loss of ac to the battery chargers, in order to allow prompt attention by the appropriate operating authorities.

Question 1

Our current practice at PSEGLI is to wire out a “common alarm” contact from each battery charger to the station annunciator, which subsequently gets sent to SCADA for remote indication. The “common alarm” contact is a group alarm that asserts for all the conditions listed in requirement 5.8.5. The Hindle battery charger has status LEDs on the front panel display which further breakout each condition so field personnel can obtain more information upon being informed of the common alarm assertion from the substation annunciator or from SCADA.

Is use of a single “common alarm” contact from each battery charger providing indication for all of the listed alarm conditions acceptable?



Response to Question 1

The TFSP members agreed that the proposed design solution is acceptable. It is recommended that the DC ground faults use a separate alarm since these faults may be impactful to protection system performance.

Question 2

Response to Question 2