

Lesson Learned

CIP Version 5 Transition Program

CIP-002-5, Requirement R1, Attachment 1: Criterion 2.5 and Generation Interconnection

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Authorized by the Standards Committee on October 29, 2015 for posting as a supporting reference pursuant to section 11 of the Standard Processes Manual.

This document is designed to convey lessons learned from NERC's various CIP version 5 transition activities. It is not intended to establish new requirements under NERC's Reliability Standards, modify the requirements in any existing reliability standards, or provide an Interpretation under Section 7 of the Standard Processes Manual. Additionally, there may be other legitimate ways to fulfill the obligations of the requirements that are not expressed within this supporting document. Compliance will continue to be determined based on language in the NERC Reliability Standards as they may be amended from time to time. Implementation of this lesson learned is not a substitute for compliance with requirements in NERC's Reliability Standards.

Purpose

The purpose of this Lesson Learned is to provide guidance on the application of impact rating criterion 2.5 as it relates to generation interconnection. Specifically, it discusses how responsible entities should consider generator lead lines as they apply criterion 2.5.

Background

This lesson learned provides approaches used by Implementation Study participants.¹ Reliability Standard CIP-002-5 Requirement R1, Attachment 1, criterion 2.5 requires responsible entities to assess Transmission Facilities by determining the "weighted value per line" for each incoming and each outgoing BES Transmission Line that is connected to another Transmission station or substation.

Guidance

Consistent with the language of criterion 2.5 and the Guidelines and Technical Basis section of CIP-002-5.1, study participants concluded that a radial generator lead line with no network flows (i.e., no power would flow through the line if the generator is off-line) and with the sole purpose of connecting generator output to a networked Transmission system would not qualify as a Transmission Line to be included in the criterion 2.5 calculation.

¹ Ref. Implementation Study Final Report http://www.nerc.com/pa/CI/tpv5impmntnstdy/CIPv5_Implem_Study_Final_Report_Oct2014.pdf