

PJM Compliance Bulletin

CB029, NERC PRC-027 and other Protection and Control Series Standards

General

NERC Protection and Control Standards: The purpose of this Compliance Bulletin is to clarify the role of PJM Planning short circuit cases.

Background

Coordination is necessary of neighboring Protection Systems installed to detect and isolate Faults on Bulk Electric System (BES) Elements, such that those Protection Systems operate in the intended sequence during Faults. Some Generator Owners and Transmission Owners have sought PJMs short circuit cases in an attempt to meet their coordination efforts associated with PRC-027 among other standards. PJM's short circuit cases are developed based on future year assumptions and include transmission and generation expansions and retirements for future time periods.

Conclusion

PJM strongly recommends against using our future years planning short circuit cases to establish protection system settings. It is a misapplication of PJMs future year short circuit cases to establish current year protection settings and could lead to misoperation of relaying. This is because any future year short circuit case does not reflect current year system fault sources and system impedances.

PJM recommendations:

- Generator Owners should coordinate directly with their interconnected Transmission Owner.
- Transmission Owners should coordinator coordinate with neighboring Transmission Owners.

Compliance Contacts for the PJM Transmission Owners can be found [here](#).

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Reason	Supplemental Information