 California ISO	Reliability Coordinator Procedure	Procedure No.	RC0610A
		Version No.	1.0
		Effective Date	7/01/2019
Criteria for Determining Facilities Critical to Derivation of IROL		Distribution Restriction: None	

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Purpose

The purpose of this document is to define criteria that will be used by CAISO RC to determine the list of Facilities critical to the derivation of an IROL. The list of Facilities critical to the derivation of an IROL is only established and communicated for pre-defined IROLs.

1. Applicability

Reliability Coordination.

2. Introduction

NERC standard FAC-014-2 R5.1.1 requires that the RC provide “identification and status of the associated Facility (or group of Facilities) that is (are) critical to the derivation of the IROL”.

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This document describes the criteria CAISO RC will use in determining the list of Facilities critical to the derivation of a pre-defined IROL.

CAISO RC's approach is to limit the list of Facilities critical to the derivation of a pre- defined IROL to those Facilities whose status or output has a significant impact on the IROL. In other words, CAISO RCs list of Facilities critical to the derivation of a pre-defined IROL will include a certain limited set of Facilities which, if removed from service as a result of a planned or forced outage, could significantly impact the IROL and thus BES reliability.

Certain types of IROLs can be impacted by a very large number of Facilities in an area; however, the loss of a single Facility in itself may not significantly impact the IROL. It is not the intent of the RC to potentially designate every Facility in a wide area as being critical to the derivation of an IROL. In such cases, CAISO RC will make the determination on a case-by-case basis as to whether any Facility should be included in the list of critical Facilities. For example, system import limitations into a large load area due to steady-state voltage instability may be an IROL. In this scenario, every individual shunt capacitor in that load area may impact the import limit (i.e. the IROL) to some degree. In this example, it would not be CAISO RC's intent to classify every individual shunt capacitor in that load area as being critical to the derivation of the IROL.

3. Criteria

While each IROL will be reviewed on a case-by-case basis, the following general criteria will be used to determine CAISO RC's list of Facilities critical to the derivation of the IROL:

- If a change in Facility status determines the existence or non-existence of an IROL
- If a change in the transmission line or transformer rating results in a change of the IROL value
- If a change in the generation capability results in a change of the IROL value
- If a change of unit/synchronous condenser, static var compensator, statcom or other reactive support device capability results in a change of the IROL value
- If the Facilities are critical Contingencies for the IROL

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4. Supporting Information

Operationally Affected Parties

Shared with Public.

References

NERC Requirements	
Other References	

Definitions


The following terms capitalized in this Operating Procedure are in accordance with the NERC Glossary, and/or otherwise when used are as defined below:

Term	Description

Version History

Version	Change	Date
1.0	Approved by Steering Committee.	3/12/19

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5. Periodic Review Procedure

Review Criteria & Incorporation of Changes

There are no specific review criteria identified for this document.

Frequency

Review at least once every three years.