

# Information Document

## System Restoration from Blackstart Resources

### ID #2018-003RS



Information Documents are not authoritative. Information Documents are for information purposes only and are intended to provide guidance. In the event of any discrepancy between an Information Document and any Authoritative Document(s)<sup>1</sup> in effect, the Authoritative Document(s) governs.

#### 1 Purpose

This Information Document relates to the following Authoritative Document:

- Alberta Reliability Standard *EOP-005-AB-2, System Restoration from Blackstart Resources* (“EOP-005-AB-2”).

The purpose of this Information Document is to provide clarity to requirement R1 of EOP-005-AB-2. This Information Document is likely of most interest to operators of transmission facilities.

#### 2 Areas of the Alberta Interconnected Electric System

Requirement R1 requires the operator of a transmission facility, that the ISO has identified in a list published on its website, to have a restoration plan. Such plan should enable the restoration of the transmission facility following a disturbance in which one or more areas of the Alberta interconnected electric system shuts down, and the use of blackstart resources is required to restore the area(s) to service.

#### 3 Guidance Regarding Specificity of Processes

The AESO recognizes that specific control actions to stabilize voltage and frequency after an event on the transmission system may vary. The AESO expects each operator of a transmission facility to determine how general or specific their processes, under EOP-005-AB-2, need to be depending on the variables associated with each system restoration situation. For example, in situations where a system condition is anticipated, such as areas that are designed to island, it may be appropriate for the processes to be more specific. In situations where it may be difficult to predict how the events will unfold then a general process may be warranted.

#### 4 Initial Switching Requirements

For clarity, “initial switching requirements”, to be identified in accordance with requirement R1.5, are those that are needed to prepare transmission facilities on a cranking path for energization. These requirements may include opening line terminals, bus reconfigurations, transformer tap position adjustments, switching reactive elements, and coordination of any necessary switching with other entities such as an operator of generating unit, an operator of an electric distribution system or an adjacent operator of a transmission facility.

#### Revision History

Posting Date	Description of Changes
2018-06-07	Initial release

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<sup>1</sup> “Authoritative Documents” is the general name given by the AESO to categories of documents made by the AESO under the authority of the *Electric Utilities Act* and associated regulations, and that contain binding legal requirements for either market participants or the AESO, or both. AESO Authoritative Documents include: the ISO rules, the Alberta reliability standards, and the ISO tariff.