Information Document
Emergency Operations Planning
ID #2017-001RS

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) in effect, the Authoritative Document(s) governs.

1 Purpose

This Information Document relates to the following Authoritative Document[1]:

- EOP-001-AB1-2.1b, *Emergency Operations Planning* ("EOP-001").

The purpose of this Information Document is to provide guidance regarding the requirements for emergency operations planning relating to the operation of a transmission facility that either connects to or is part of an industrial complex, and to provide contact information for the provision of updated plans to mitigate operating emergencies to the AESO.

2 Development of Emergency Operating Plans

2.1 Requirement R3

Each operator of a transmission facility determines which plans are appropriate for its transmission facilities for the purposes of requirement R3 of EOP-001. The operator of a transmission facility that is within or connects to an industrial complex may consider including:

- plans for coordination with the adjacent operator of a transmission facility and the AESO following the loss of a connection to the interconnected electric system and for restoring the connection; and
- plans for system or regional blackout conditions.

2.2 Requirement R4

Requirement R4 of EOP-001 requires the AESO and the operator of a transmission facility to develop, maintain and implement plans for load shedding. The operator of a transmission facility that is within or connects to an industrial complex may consider the following in developing plans for load shedding.

When the AESO issues a directive for net to grid load reduction (a "load shed directive") that includes a specified timeframe, an industrial complex with both generation and load may increase generation in lieu of curtailing load if, at the time it receives a load shed directive from the AESO, the industrial complex has unloaded generating capacity that can be increased within the time requirements of the load shed directive.

The operator of transmission facility that is within or connects to an industrial complex that is part of a parallel connection may consider including plans for managing overloads on a remaining line where a parallel connection is lost in its plans for load shedding.

2.3 Requirement R5

In developing communication protocols to be used during operating emergencies in accordance with requirement R5(a) of EOP-001, the operator of a transmission facility may consider using three-way communication protocols in accordance with good utility operating practice. The operator of a transmission facility may also consider any safety code related communications for instructions given within an industrial complex, for example, from an operator to a maintenance technician.

[1] "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 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.

The controlling actions that the operator takes to resolve the operating emergency, referred to in requirement R5(b) of EOP-001, are determined based on the type of emergency. Examples of possible controlling actions include: (a) reconfiguration of the entity's transmission system to address an overload; (b) re-dispatch of generation; and (c) a defined sequence of manual tripping of load if needed.

The NERC established timelines referred to in requirement R5(b) include:

- timelines set out in ISO rules or Alberta reliability standards, which are generally 30 minutes to return the system to an operating condition such that the next contingency resulting in the loss of a system element will not cause a limit to be exceeded on other system elements; and
- timelines included in a directive from the AESO to the operator of a transmission facility which are issued to mitigate an actual or potential limit violation in accordance with the timelines and operating limits provided by the legal owner of the transmission facility. Those timelines could be from immediate to 30 minutes.

2.4 Requirement R10

Requirement R10 of EOP-001 requires the operator of a transmission facility to provide a copy of its updated plans to mitigate operating emergencies on the transmission system and plans for load shedding to any affected adjacent operator of a transmission facility and the AESO.

Updated plans are provided to the AESO at systemcontrollerprocedures@aeso.ca.

It is the responsibility of the operator of a transmission facility to determine whether the adjacent operator of a transmission facility is affected by its updated plans, such that the plans must be provided to that adjacent operator in accordance with requirement R10.

Revision History

Posting Date	Description of Changes
2017-02-02	Initial Release