



CL-OS1021

System Emergency Event Management Policy

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Please ensure you have the most up-to-date copy at all times.

Contact the Commercial Group for the latest version.

CL-OS1021 System Emergency Event Management Policy

Overview

Document status

Draft **In Service** Under Review Archived

Document purpose

This document details Centralines' policy for managing load on its network during a System Emergency Event.

Intended audience

This document is for retailers, consumers and the System Operator to assure compliance with legislative requirements.

Document contributors

Contributors	Name and Position Title	Approval Date
Owner	Edward Brown Operations Manager – Networks	14/04/2021
Compiled by	Kylee Gray AMS Technical Writer	14/04/2021
Authoriser	Edward Brown Operations Manager – Networks	19/04/2021
Approver	Jaun Park General Manager – Networks and Operations	27/04/2021

Note

This document has been reviewed by Centralines' Operations and Management teams who agree with its content.

Key dates

Published Date 28/04/2021

Scope

This document is intended for use by Centralines, and any other company who has contractual authorisation from Centralines to use this document.

Should a contractual company's business practices vary from those within this document, it is their responsibility to either:

- update the document accordingly, or
- create a Schedule containing variations to the document before distributing.

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Overview, Continued

Related references

Legislation

- Electricity Industry Participation Code 2010

Centralines Plans

- CL-FC9014 Participant Rolling Outage Plan
 - FC9003 Emergency Response Plan
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1. Definitions/Abbreviations

**Asset
Capability
Statement**

A statement provided to the System Operator of capability and operational limitations that:

- may arise on the grid, and
 - apply to specific assets during normal and abnormal conditions.
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Centralines

For the purposes of this document includes Centralines and Unison Networks Limited (Unison) staff involved in the management and operation of Centralines' network under the Management Services Agreement between Centralines and Unison.

Code

For the purposes of this document refers to the Electricity Industry Participation Code 2010.

**Grid
emergency**

An emergency that involves:

- the occurrence of extreme variations of frequency or voltage at the points of connection where network assets are connected, or
 - events determined by the System Operator in compliance with the Electricity Industry Participation Code 2010.
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**Supply
shortage
declaration**

Declaration made by the System Operator after consultation with the Electricity Authority.

**System
Operator**

Operator of the national electricity transmission grid (Transpower).

2. Policy Statement

2.1 System Emergency Event

The Electricity Industry Participation Code 2010 (Code) refers to a System Emergency Event as a grid emergency and, in respect of networks, any emergency where:

- public safety is at risk
- there is a risk of significant damage to any part of the network
- Centralines is unable to maintain network voltage levels within statutory requirements, or
- an Unplanned Service Interruption affecting the network is imminent or has occurred.

Such an event will have significant consequences on essential services, households, businesses, and infrastructure. This policy sets out Centralines' priorities in a System Emergency Event, in relation to:

- load management
 - controlled load, and
 - restoration of load.
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3. Principles

3.1 Legislation

Centralines will comply with the requirements of the Code, and their associated technical codes. To achieve this Centralines:

- specifies the criteria, methodology and principles to be applied in:
 - implementing outages, or
 - taking any other action in the event of a Supply Shortage Declaration by the System Operator in its **CL-FC9014 Participant Rolling Outage Plan**
 - specifies the operational functions needed to implement this policy in its **FC9003 Emergency Response Plan**, and
 - provides the System Operator with an Asset Capability Statement. This statement describes the amount of load available to trip in response to an under-frequency event, as required by the Code.
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Principles, Continued

3.2 Priorities Centralines will assess and set its priorities for load management, controlled load and restoration of load based on the nature and extent of the System Emergency Event. For each System Emergency Event Centralines' priorities will be:

- safety
 - network stability and security
 - restoration of power to critical infrastructure, such as hospitals and water plants, and
 - high voltage lines, and equipment (such as substations) that will restore the most power to as many customers as possible at once.
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Appendix A – Summary of Document Changes

Date	Version No.	Changes to Document	Creator	Authoriser	Approver
27/04/2021	1.0	New document.	Operations Manager – Networks	Operations Manager – Networks	GM Networks & Operations