



unison

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 Technical Documentation Specialist for the latest version.

OS1021 System Emergency Event Management Policy

Overview

Document status

Draft In Service Under Review Archived

Document purpose

This document details Unison's 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
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Key dates

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Renewal period – 2 years

Scope

This document is intended for use by the Unison Group, and any other company who has contractual authorisation from Unison 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

Unison Plans

- FC9003 Emergency Response Plan
 - FC9014 Participant Rolling Outage 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.
-

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 in which:

- public safety is at risk
- there is a risk of significant damage to any part of the network
- Unison 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 Unison's priorities in a System Emergency Event, in relation to:

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

3. Principles

3.1 Legislation

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

- 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 **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 Unison 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 Unison's 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
15/02/2021	1.0	New document.	Operations Manager – Networks	Operations Manager – Networks	GM Networks & Operations