EEA Resilience Guide – Update

12 June 2024

Presented by: Tas Scott – Electronet

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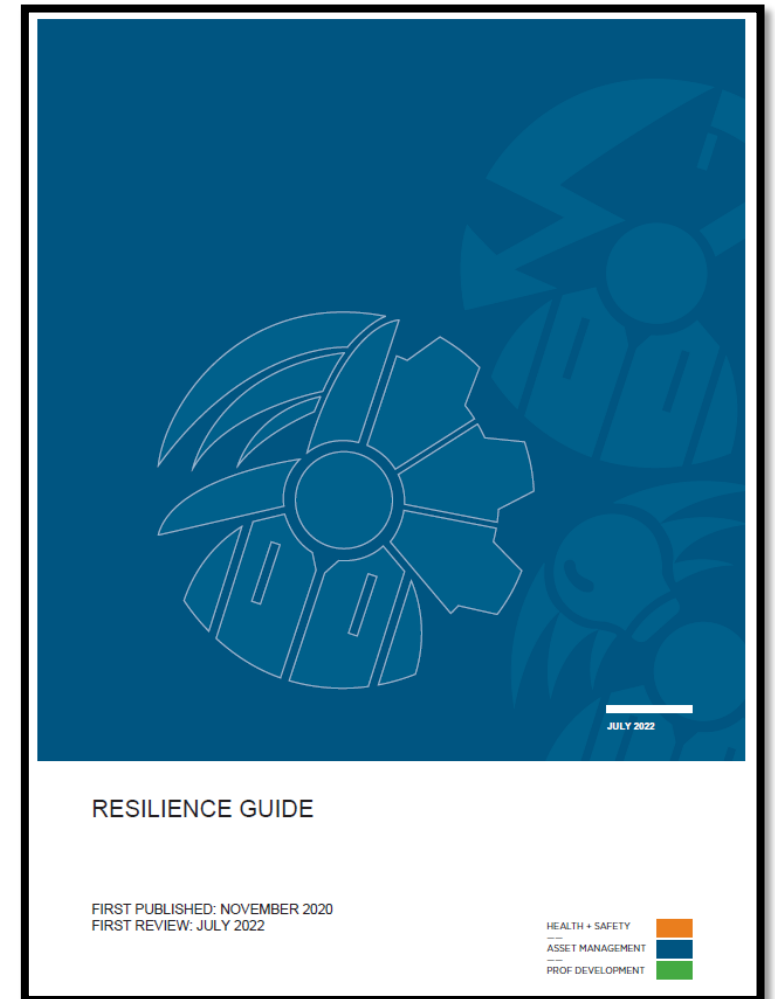eea | Electricity Engineers' Association

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What is the EEA Resilience Guide?

The EEA Resilience guide was developed to cover the principles of emergency management preparedness and to provide a practical self-assessment tool that enables EDBs and other EEA members to rate their organisation's degree of overall resilience.

The assessment tool has been structured around the 4R's framework as defined in National CDEM Plan Order.

JULY 2022

RESILIENCE GUIDE

FIRST PUBLISHED: NOVEMBER 2020
FIRST REVIEW: JULY 2022

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What have we done to date?

1. Identified a need to review the current Guide – due to events such as Cyclone Gabriel

2. Established a Steering Group

3. Undertaken a survey of all Network companies

4. Undertaken interviews and meetings with key industry stakeholders

5. Finalised scope of work based on the outcomes of the survey and interviews

6. Work on the update has commenced

EEA Resilience Guide Review Steering group

The Members of the Steering Group are:

- Julian Morton - Transpower

- Matt O'Neil – WEL Networks

- Richard Steer - Wellington Electricity

- Mark Chatterton – Unison

- Kewen Kueh – Powerco

- Russell Watson – Northpower

- Brian Lauren – Orion

- Stuart Johnston - EEA

- Tas Scott - Electronet Consulting (Chair)

What are we updating in the Guide?

1. The inclusion of new/additional case studies in the guide (For example: Northpower, Unison, Transpower have offered new case studies) incorporating the lessons learnt.

2. The inclusion of climate change adaption impacts (NIWA work) and standardised processes to assess risks

3. The inclusion of a data collection templates and/or simple model cost benefit analysis technique to evaluate network risk mitigations

4. A reference to local DER and stand-alone systems and their potential benefits to improve resilience of the power system during/after major events

5. Cyber security risk management. Support is generally limited to providing brief high-level advice in the Guide.

6. Update Regulatory requirements (as required)

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What are we updating in the Guide? Cont....

7. Labour force skills and common competency framework. Considered to be long overdue. Deserves a mention in the updated Guide.

8. Include advice on the concept of supporting "community hubs" as a contribution to emergency management. As EDBs only have a support role in Community hubs, it was agreed that a checklist of support items be included.

9. Review and update RMMAT assessment tool

10. Provide a template to capture a resilience improvement plan. Would help to standardise resilience planning across EDB's. Should aim to complement the RMMAT assessment tool.

11. Consider adding a template that helps EDBs list "critical" spares and essential consumable stock items. The project team will also consider if these inventories could be made accessible to other EDBs during an emergency event to enable mutual aid to extend to materials supply?

Table of Contents

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Appendices - Case Studies

Case Study 1: Wellington Electricity – Resilience Improvement Project - *to be updated*

Case Study 2: Orion - Earthquake Recovery Lessons - *to be updated*

Case Study 3: Powerco CIMS Implementation Case Study

Case Study 4: Powerco CIMS Training Initiative

Case Study 5 Impact of cyclone Gabriel on Network Resilience planning

Unison experiences

Powerco experiences

Northpower experiences

Transpower experiences

Thank You!!!

If you would like more information or would like to provide information for inclusion in this project, please contact either:

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