

AUSTRALIAN ENERGY MARKET COMMISSION

AEMC SYSTEM SECURITY ACTION PLAN

WORK PROGRAM UPDATE NOVEMBER 2017

Final:
Mar 2017 ✓ **Emergency frequency control scheme rules**
Enhanced schemes to act as a last line of defence in an emergency

Final:
Jan 2017 ✓ **System security market frameworks review**
Recommendations to deliver a stronger and more resilient system with better frequency control as the generation mix changes

Final:
Sep 2017 ✓ **Managing the rate of change of power system frequency rule**
Makes networks provide minimum level of inertia

Final:
Sep 2017 ✓ **Managing power system fault levels rule**
Makes networks provide services necessary to meet minimum levels of system strength

Final:
Sep 2017 ✓ **Generating system model guidelines rule**
Requires detailed information on how generators and networks perform

Final:
Mar 2018 **Inertia ancillary service market rule**
Considering delivery of inertia above minimum levels where there is market benefit

Stage one final:
Nov 2017 ✓ **Reliability Panel review of frequency operating standards**
Assessing whether the existing standard is appropriate to maintain a secure power system as the generation mix changes

Final:
mid-2018 **Frequency control frameworks review**
Looking at ways to integrate new technologies and demand response to help keep the system secure

Draft:
Early 2018 **Generator technical performance standards**
Updating the technical performance standards for connecting generators and the process for negotiating them

Underway **Review of the system black event in South Australia on 28 September 2016**



SYSTEM SECURITY

Keeping the lights on: Measure of the power system's capacity to continue operating within defined technical limits, even if a major power system element disconnects from the system.



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AEMC SYSTEM RELIABILITY ACTION PLAN

WORK PROGRAM UPDATE NOVEMBER 2017

Final:
Jul 2018



Coordination of generation and transmission investment review: stage 1

Recommended that stage 2 to investigate options to improve the coordination of transmission and generation investment

Final:
Apr 2018

Reliability Panel review of reliability standard and settings 2018

Assessing whether the standard and settings are appropriate to guide efficient investment to meet consumer demand

Interim report:
Dec 2017

Reliability frameworks review

Considering what changes may be needed to deliver enough dispatchable energy from the supply and demand side in the short term, to support more efficient operational decisions, and the longer term to guide necessary investment. The review will also look at Finkel recommendations:

- a Generator Reliability Obligation
- the need for a Strategic Reserve
- the suitability of a 'day ahead' market
- mechanisms to address demand response priorities

Final:
Dec 2017

Declaration of lack of reserve conditions rule

Seeks to amend lack of reserve framework so it can support changing power system conditions

Options Paper:
Feb 2018

Coordination of generation and transmission investment review: stage 2

Investigating options to improve coordination of generation and network investment, including potential renewable energy zones. Transmission pricing and access



RELIABILITY

Power when you need it: having enough generation, demand response and network capacity to supply consumer needs.

