

AUSTRALIAN ENERGY MARKET COMMISSION

AEMC SYSTEM SECURITY AND RELIABILITY ACTION PLAN

Updated 8 November 2018

Final:
Mar 2017

Emergency frequency control scheme rules

Enhanced schemes to act as a last line of defence in an emergency

Final:
Jun 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 levels 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

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:
Feb 2018

Inertia ancillary service market rule

The potential for a market mechanism for power system inertia was assessed through the Frequency control frameworks review.

Final:
Jul 2018

Frequency control frameworks review

Looking at ways to integrate new technologies and demand response to help keep the system secure

Final:
Sep 2018

Register of distributed energy resources rule

Setting up a national register of distributed energy like small-scale battery systems and rooftop solar to help AEMO better manage the power system

Final:
Sep 2018

Generator technical performance standards rule

Updating the technical performance standards for connecting generators and the process for negotiating them

Pending
AER review

Review of the system black event in South Australia

The AER is conducting a compliance investigation which will recommend possible changes to regulatory frameworks. When complete the AEMC will consider this, and AEMO's investigation, for possible changes to the regulatory frameworks.



SYSTEM SECURITY

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



RELIABILITY

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

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

Final:
May 2018

Reporting on aggregate generation capacity for MT PASA rule

Improves the information AEMO provides to signal whether electricity supply is projected to meet demand in the medium-term

Final:
Jun 2018

Reinstatement of long-notice RERT) rule

Enables AEMO to contract for electricity reserves up to nine months ahead of a projected shortfall under the RERT, the strategic reserve mechanism

Final:
Jul 2018

Making the AER responsible for calculating values of customer reliability (VCR) rule

Requires the Australian Energy Regulator to calculate and update values of customer reliability, used to develop reliability standards

Final:
Jul 2018

Reliability frameworks review

Looking at lowest cost ways to make enough energy available for consumers when they need it, the need for a strategic reserve, the suitability of a 'day ahead' market, and demand response mechanisms

Final:
Nov 2018

Generator three-year notice of closure rule

Requires large generators to give at least three years' notice before closing

Final:
Dec 2018

Coordination of generation and transmission investment review

Options to make AEMO's integrated system plan actionable; and ways to improve the coordination of generation and transmission investment

Draft:
Jan 2019

Enhancement to the RERT rule

AEMO request for broader changes to the RERT framework

Final:
Jun 2019

Reliability Panel review of annual market performance

Review of the performance of the national electricity market in terms of security, reliability and safety over 2016-2017

