

AUSTRALIAN ENERGY MARKET COMMISSION

AEMC SYSTEM SECURITY AND RELIABILITY ACTION PLAN

Updated 6 December 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

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

Stage two final: Mar 2019
Reliability Panel review of frequency operating standard
Assessing whether the existing standard is appropriate to maintain a secure power system as the generation mix changes

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

Draft: date TBC
Wholesale demand response rule
Would introduce a mechanism, register or separate market to enable wholesale demand response

