

# AUSTRALIAN ENERGY MARKET COMMISSION

## SYSTEM SECURITY AND RELIABILITY ACTION PLAN 2019

Updated 4 April 2019

Making sure the power system is stable and there is enough capacity to meet customer demand



**WHOLESALE RELIABILITY**

**Enough capacity to meet demand:** having sufficient generation and demand response capacity to supply customer needs

**Underway**

**AEMC/AEMO/AER virtual power plant trial**

Trial to inform changes to regulatory frameworks and operational processes so VPPs can play a bigger role in the energy market. In Australia grid-connected VPPs are focussed on coordinating rooftop PV and battery storage.

**April 2019 Final determination**

**Early implementation of ISP priority projects rule**

Streamlining the regulatory processes for key time-critical projects identified in AEMO's Integrated System Plan.

**April 2019 Final report**

**Reliability Panel annual review of market performance**

Review of the performance of the national electricity market in terms of security, reliability and safety over 2017-2018.

**April 2019 Consultation paper**

**Definition of unserved energy project**

Reliability Panel project to clarify and simplify the definition of unserved energy used in post-event analysis of supply interruptions.

**April 2019 Consultation paper**

**Transparency of new projects rule**

Seeks to enhance publicly available information about new generation projects, as well as to allow developers of these projects to register with AEMO to get access to key technical information such as network modelling data.

**April 2019 Consultation paper**

**Short term forward market rule**

Providing an AEMO-operated platform to enable market participants to contract for electricity in the week leading up to dispatch, to help enable more demand response.

**May 2019 Final determination**

**Enhancement to the RERT rule**

Seeks broad changes to the NEM's emergency reserve – the Reliability and emergency reserve trader framework.

**July 2019 Consultation paper**

**Generator registration thresholds rule**

Reducing the threshold for registration as a generator from 30 MW to 5 MW.

**July 2019 Draft determination**

**Wholesale demand response rule**

Seeks to introduce a new mechanism, register or separate market to enable more wholesale demand response.

**June 2019 Directions paper**


**Reforms to access arrangements review**

Developing draft rule change requests to progress phased reforms to how generators access and use the network.

**Oct 2019 Draft report**

**Reforms to transmission charging review**

Developing rule change requests to improve the inter-regional transmission charging regime so that it adequately attributes the cost of interconnectors to those who benefit from them.



**SYSTEM SECURITY**

**A stable power system:** the power system operates within defined technical limits, even when a major power system element disconnects from the system

**Underway**

**Frequency control interim arrangements project**

Working with AEMO on short-term changes to manage frequency deterioration in the national electricity market.

**Underway**

**Frequency control work plan**

Working with AEMO and the AER on designing new, coordinated and lowest-cost ways to deliver frequency control services over the medium to longer term.

**April 2019 Final report**

**Reliability Panel review of the frequency operating standard**

Assessing whether the existing standard is appropriate to maintain a secure power system as the generation mix changes.

**April 2019 Draft determination**

**Reliability Panel assessment of protected event request**

Request by AEMO to declare the risk to South Australia's power system from destructive winds as a "protected event".

**April 2019 Consultation paper**

**Improving intervention compensation and settlement processes rule**

Rules to improve administrative processes related to AEMO's interventions in the market, for example the way generators are compensated after a direction to help maintain system security or reliability.

**April 2019 Consultation paper**

**Intervention mechanisms and system strength project**

Evaluating the effectiveness of the interventions framework in light of the increasing use of directions by AEMO to manage system security, and of related system strength frameworks.

**April 2019 Issues paper**

**Review of system black event in South Australia**

The AER has completed investigations into pre- and post-event issues. We will consider these in relation to amendments to the regulatory frameworks.

