

2023 GPSRR Approach Paper Briefing

Grid Performance & Integration
12 October 2022



We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

We pay respect to their Elders past, present and emerging.

2023 General Power System Risk Review



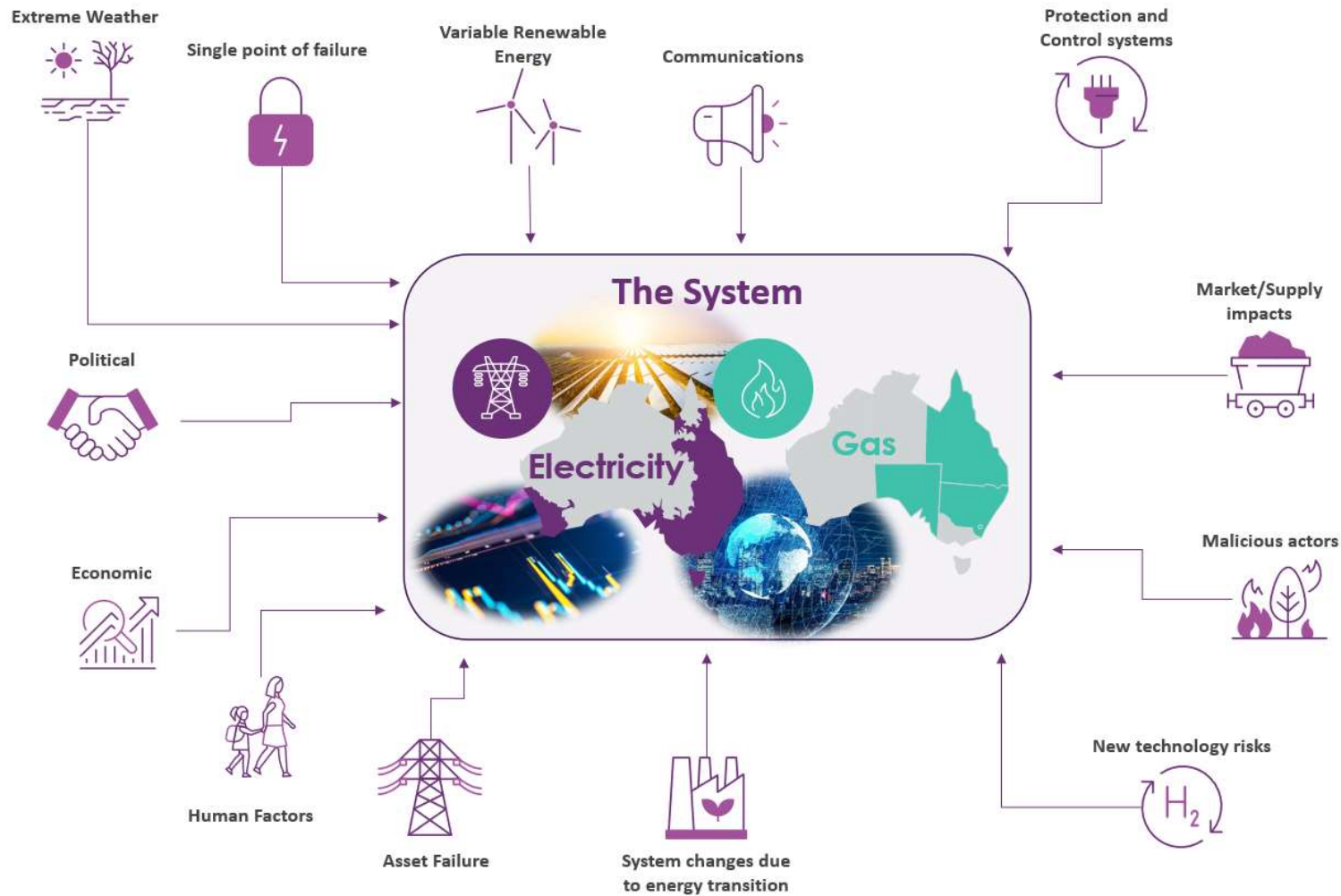
- In accordance with 5.20A of the National Electricity Rules (NER), AEMO is required to undertake a GPSRR
- From 2023, the GPSRR replaces and expands on the scope of the previous biennial Power System Frequency Risk Review (PSFRR)
- The purpose of this session is to engage with industry regarding the GPSRR approach and highlight the consultation feedback received.

Consultation timeline



Activity	Indicative timeline
Engaging with AEMO internal teams and NSPs to finalise the scope of 2023 GPSRR – this includes discussions with NSPs in finalising the list of contingencies to be included in the study	July 2022 to August 2022
Seeking NSP and JSSC feedback on 2023 GPSRR draft approach paper	August 2022 to end of August 2022
Industry consultation on the 2023 GPSRR draft approach paper	September 2022 to October 2022
Publication of the 2023 GPSRR final approach paper	late October 2022
On completion of the studies, AEMO to share the findings with NSPs	historical study results January 2023 Future results mid-March 2023
Seeking feedback from NSPs on the draft 2023 GPSRR report	April 2023 to May 2023
Draft 2023 GPSRR report published for industry consultation	May 2023 to June 2023
Publication of final 2023 GPSRR report	by 31 July 2023

Risk categories



Feedback received



- Informal feedback
 - Based on discussion at NEMOC in September – suggestion to assess unexpected oscillations resulting in tripping of distributed generation, based on an event that occurred on 23 June 2022
 - Consideration of ICCP link/SCADA failures based on previous events
- Consultation feedback
 - Include a review of the sufficiency of existing capabilities of system operators in the context of increasing power system complexity (as highlighted in AEMO's Operations Technology Roadmap)
 - The inclusion of composite load models to better capture load behaviour
 - Suggested a more detailed approach to risk quantification and further clarification of the issues identified in the Approach Paper

GPSRR approach paper page turn



Approach paper was published on AEMO's website for consultation on 7/09/2022: <https://aemo.com.au/energy-systems/electricity/national-electricity-market-nem/system-operations/general-power-system-risk-review>

Formal submissions closed 6 October

Summary of consultation questions



Question

1. Is it appropriate to apply the 2022 ISP *Step Change* scenario to assess future power system risks?
2. Is the risk assessment approach suitable to apply for future GPSRRs?
3. What are stakeholder views regarding the need for studies associated with Category 2 events as part of the 2023 GPSRR?
4. Category 3 events relate to those where AEMO has identified priority events for detailed analysis. What are stakeholder views regarding the priority events proposed to be considered as part of the 2023 GPSRR, including any proposed changes to the events or the methodology for assessment?
5. What are stakeholder views regarding the proposed modelling approach for the Category 3 events proposed for assessment in the 2023 GPSRR?
6. Does the consultation approach meet stakeholder expectations and how would stakeholders like to engage with the GPSRR?

Discussion: Any other feedback or suggestions for the 2023 GPSRR or 2024 GPSRR?

Discussion





For more information visit

aemo.com.au