



System Strength Impact Assessment Guidelines

Minor Amendments Determination
for the National Electricity Market

Published: 6 June 2023

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New South Wales | Queensland | South Australia | Victoria | Australian Capital Territory | Tasmania | Western Australia

Australian Energy Market Operator Ltd ABN 94 072 010 327

Notice of determination on minor rules consultation procedure

AEMO has made a final determination to make minor or administrative changes to the **System Strength Impact Assessment Guidelines (SSIAG)** under the National Electricity Rules (NER) 4.6.6, in accordance with the minor rules consultation procedure under NER 8.9.4.

The final amended **SSIAG** is published with this notice and will take effect on **6 June 2023**.

The reasons for making the proposed amendments are as follows:

- AEMO has identified that applying the system strength quantity (SSQ) formula as drafted in NER 6A.23.5, without adjustment, could significantly overstate the quantity of system strength required to support a relevant connection to a transmission or distribution network in the National Electricity Market (NEM).
- In the “[Calculating system strength quantities in the NEM](#)”¹ guidance paper, AEMO proposes a methodology for calculating the SSQ for a relevant NEM connection that, in AEMO’s view, better aligns with the intended outcomes expressed in the final determination of the *National Electricity Amendment (Efficient management of system strength on the power system) Rule 2021*². This methodology accounts for minimum system requirements for stable network operation, represented by a fixed value stability coefficient of 1.2.
- The formula for determining the reduction in available fault level (Δ AFL) caused by a connection is set out in section 3.4.2 of the SSIAG and accounts for the same coefficient. However, the first equation in that Δ AFL formula refers to ‘SSQ’, which could cause ambiguity in applying AEMO’s proposed methodology for determining SSQ.
- To facilitate the application of this methodology, AEMO considers it prudent to replace the ‘SSQ’ term in order to remove any potential to interpret the formula as requiring the coefficient to be deducted twice, where a network service provider applies the SSQ methodology in AEMO’s position paper.

In response to AEMO’s notice of the minor amendments proposal published on **11 May 2023**³, AEMO received comments from one stakeholder, BayWa r.e. Projects Australia Pty. Ltd., which have been published on AEMO’s website. These comments were supportive of AEMO’s proposed amendment, and no changes have been made from the published proposal.

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¹ At https://aemo.com.au/-/media/files/stakeholder_consultation/consultations/nem-consultations/2022/ssmiag/amendment/guidance---calculating-system-strength-quantities-in-the-nem.pdf

² AEMC, Efficient management of system strength on the power system, Rule determination, 21 October 2021: <https://aemc.gov.au/rule-changes/efficient-management-system-strength-power-system>

³ Available at: <https://aemo.com.au/consultations/current-and-closed-consultations/ssmiag>