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### Accelerated Loss of Mains Change Programme – Urgent Action Required – 30 April 2021 Deadline May Apply

#### SITE NAME

As your local Distribution Network Operator (DNO) – the company responsible for the connection of your power generation assets to the local electricity network – I am writing again to ensure your compliance with an important change to the Distribution Code.

It is imperative that this communication is escalated to the person responsible for the generation assets on your site(s) promptly to ensure compliance.

We believe that the generation site named above was included in the loss of mains protection rate of frequency settings change exercise that ran from August 2014 to July 2016. In this period, you were required to make your loss of mains protection compliant with the requirements of that exercise (outlined in the Distribution Code and EREC G59/3-4) and / or confirm that your settings were already compliant. That exercise included all generation sites in Great Britain with an installed generation capacity of between 5MW and 50MW. More information on the mandatory requirements can be found in EREC G59/3-4.

The Accelerated Loss of Mains Change Programme (ALoMCP) was launched in September 2019 following the publication of a further revision to G59/3 by Ofgem. The Programme seeks to ensure all generation connected to the distribution system in Great Britain is compliant with the requirements outlined in EREC G59 3-7, to better equip the electricity network for the future. Please note, since 2016, G59/3-4 has been updated to G59/3-7 and now applies to all generation assets. The latest requirements from G59/3-7 are that:

- loss of mains protection provided by rate of change of frequency (RoCoF) protection must be provided with a setting of  $1.0\text{Hzs}^{-1}$ , 500ms definite time,
- all vector shift protection must be removed,
- all other protection settings must be compliant with G59/3-7.

Through the ALoMCP we have learned not all generation owners are compliant with of EREC G59/3-4. It is important to note that sites where the loss of mains protection is correctly implemented in relays, but the inverters comprising the generation on site have internal protection settings different than the G59 requirements, are not in compliance with EREC G59/3-4 nor EREC G59/3-7. More information on how to correct this is available on page 2.

Your site must be compliant with EREC G59/3-7. **Our records do not include all the necessary details to confirm that your site is compliant.** In order to help National Grid Electricity System Operator manage the GB electricity system safely and securely **this information needs to be confirmed.**

Therefore, we ask for your cooperation in ensuring that all the following points are addressed:

- A. Any RoCoF loss of mains (LoM) protection is set correctly (ie  $1.0\text{Hzs}^{-1}$ , 500ms definite time – no other setting is allowed without our explicit written agreement). [Note: If you have applied a setting of  $0.5\text{Hzs}^{-1}$  as a result of the 2014-2026 exercise, then it will need to be changed to  $1.0\text{Hzs}^{-1}$ .]
- B. There is no vector shift (or phase angle jump) LoM protection in use on the site, implemented in any relay, generation equipment or inverter, or any associated control gear.
- C. There are no frequency sensitive or frequency limit (e.g. under or over frequency protection) settings that conflict with those allowed in G59/3-4 (or G59/3-7).

Please check all your equipment for A, B and C above. More information on the technical requirements can be found on the Energy Networks Association (ENA) website at <https://www.ena-eng.org/ALoMCP/index>. **If your site is not compliant with A please arrange to correct this before 30 April 2021.** If your site is not compliant with B or C please arrange to correct this before 01 September 2022.

Payments are available through the ALoMCP to support the work to complete changes associated with A and B. You can apply through the ENA portal using the above link. Funding is limited so early application is strongly advised.

There is an additional fast track payment of £5000 available until April 2021 for changes to address A above for sites that meet the criteria described on the portal.

Unless you are applying through the ENA portal above for payment to correct A or B **please complete the attached form – Confirmation of Site Details** (the portal will collect these details if you apply through it).

Please note that we have a duty and a right to confirm your compliance with the Distribution Code and G59/3. As part of the ALoMCP we might wish to review in more detail the relevant equipment at your site for audit etc purposes. If this is the case, we will contact you again when necessary.

To summarise, you need to either:



**CONFIRM COMPLIANCE** - If you are already using the Loss of Mains settings needed, confirm this by email to [g59protectionsettings@sse.com](mailto:g59protectionsettings@sse.com) or by mail using the above address, attaching the enclosed form

OR



**APPLY TO THE ALoMCP FOR FUNDING TO MAKE CHANGES TO BECOME COMPLIANT** - If you will need to make changes to your protection settings and/or type we encourage you to apply for funding at - [www.ena-eng.org/ALoMCP](http://www.ena-eng.org/ALoMCP).

Thank you for your support in this matter. If you have any questions, please visit our dedicated website at [www.ssen.co.uk/LossOfMains](http://www.ssen.co.uk/LossOfMains) or contact us at [G59protectionsettings@sse.com](mailto:G59protectionsettings@sse.com) or on **0800 197 6028**.

Yours sincerely

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**SSEN ALoMCP Manager**