



Accelerated Loss of Mains Change Programme

FAQs – V5.0

May 2021

What is the Accelerated Loss of Mains Change Programme?

<https://futureproofyourpower.co.uk/>

The Accelerated Loss of Mains Change Programme (ALoMCP) is GB electricity industry led scheme where [National Grid ESO](#) in conjunction with all 14 DNOs will work together to reduce the risk of inadvertent tripping of generation on their distribution networks. This is due to the sensitivity of generation Loss of Mains (LoM) protection. The impact of the ALoMCP will be an increase in the overall resiliency of the GB network.

The absolute requirement to review protection settings is the result of an update to the [Distribution Code](#) and all applicable generation must make these changes to their LoM protection in order to become compliant with the latest version of the Distribution Code. Generators (or their agents) may submit an application by visiting the dedicated [ALoMCP Webpage](#) to apply for funding to update their protection settings which will reduce the risk on the GB network.

When can I apply on the ENA Portal?

You can apply for funding at any time, after you do, Northern Powergrid will contact you via the email address you supplied requesting further information to assist us to review and process your application.

Can I make changes to my ALoMCP application?

You can log in to the ENA Portal and make any changes you require to; before your application has been progressed by Northern Powergrid to NGENSO for funding review.

Does this affect my generation unit?

The ALoMCP only impacts generation which was connected before 01 February 2018 in accordance with EREC G59 that has either Vector Shift or Rate of Change of Frequency (RoCoF) as the active LoM protection. In reality this means all generation (regardless of whether it exports or not) with a Registered Capacity of between ~11kW and 49.999MW which was commissioned before 01/02/2018 with either Vector Shift or RoCoF as the LoM protection must comply with [EREC G59/3-7](#) on or before 31/08/2022. Domestic (and similar) generation that has been connected in accordance with [EREC G83](#) is exempt and out of scope.

What does “Registered Capacity” mean?

The “Registered Capacity” of a generation site is the maximum generation capacity a site could potentially export; this will always be identically equal to the cumulative installed capacity of the generation units on site. It is a completely separate concept from the agreed export capacity, which is a purely commercial construct.

What are the protection settings to be applied?

To achieve [EREC G59/3-7](#) compliance, RoCoF LoM protection should be set to 1Hz/s with a definite 0.5 second time delay. If Vector Shift is enabled as the LoM protection, it must be disabled. Intertrip is acceptable in the absence of G59/3-7 compliant RoCoF. There is the absolute requirement for all G59 generation (connected on or before 31/01/2018) to achieve G59/3-7 compliance on or before 31/08/2022.

How do I find out what my type of protection is?

This information will have been documented at the time of commissioning. It is a legal requirement that the generation owner maintains this information.

Is there funding available and how do I apply?

The industry recognises that costs may be incurred as a result of having to make these necessary changes and has arranged for funding to be made available to help meet these costs. To qualify for funding, you will need to submit an application by visiting the dedicated [ALoMCP Webpage](#) to apply for funding.

Can I apply for funding after carrying out the required works?

You may apply retrospectively for funding for any protection works which were carried out on or after 01/02/2018 for the purpose of achieving G59/3-7 compliance.

How long does the funding application process take?

Funding decisions (which are made by NGENSO) on applications to the ALoMCP will be made within (at most) 4 ½ months from the date the application was originally made. If your application is successful you will be notified approximately 6 weeks after the funding window you applied in closed. If your application is not successful we will be in touch to discuss next steps.

What funding is available?

Work to be carried out	Funding Available	
Relay Replacement works; Synchronous Generation or DFIG Wind	£4,000 (plus VAT) for each relay replaced	
Relay Replacement works; Solar/non DFIG Wind/Hydro/Battery Payment will not be processed for more than 6 protection devices/relays	£1,500 (plus VAT) for the work carried out at the first protection device/relay	£500 (plus VAT) for the work carried out at each additional (up to 5) protection device/relay
Settings Change or Protection Function Deactivation Payment will not be processed for more than 6 protection devices/relays	£1,500 (plus VAT) for the work carried out at the first protection device/relay	£500 (plus VAT) for the work carried out at each additional (up to 5) protection device/relay

What is the Northern Powergrid assessment process?

We have produced a [flowchart](#) detailing the process that your application will go through as eligibility for ALoMCP funding is assessed. It also contains guidance relating to what steps should be undertaken to ensure your generation site is G59/3-7 compliant.

How do I make the changes?

This will depend on the type of LoM protection that is currently active. In order to comply with G59/3-7, you may have to update the relay settings, replace the relay or deactivate the LoM protection within the relay. If you are unable to make the required changes yourself, a list of contractors who have identified themselves as available to carry out this work can be found on the [ENA website](#). The ENA and Northern Powergrid accept no liability or responsibility for the competence of any these contractors listed and do not endorse or make preference to any of these. The ENA state that publishing this directory provides no warranty or support of any kind and any loss or damages incurred from work undertaken is the sole responsibility of the parties entering into contract. It is the responsibility of the applicant to conduct their own assessment as to the suitability of these contractors.

What evidence of the changes is required?

To enable Northern Powergrid to approve and progress the application for funding, we require you to submit to us, the [ALoMCP Proforma](#), the populated G59 Section 13.2 & 13.3 and also dated photographs of the relay (& serial number if possible) both pre and post change. These photographs should clearly show both the non-compliant settings and the G59/3-7 compliant settings.

Will Northern Powergrid require to be on site when the work is carried out?

If a “Settings Change” or “Protection Function Deactivation” is required to achieve compliance, we do not require to Witness Test this work, though if the work to be carried out is for a “Relay Replacement” then we require to attend to Witness Test the work. Northern Powergrid will carry out Witness Testing at no cost to the applicant.

When must I make these changes by?

Compliance with G59/3-7 on or before 31/08/2022 is a legal requirement. The [National Terms of Connection](#) Section 2 Paragraph 4 state that *“You must ensure that any generating equipment at the premises complies with the applicable requirements of the distribution code that applies under our licence”*.

Technical FAQs

NGESO have produced a suite of detailed [Technical FAQs](#) which provide further guidance on specific matters not covered in this document.

Email: If you have any queries, please contact G59ProtectionSettings@NorthernPowergrid.com