



DER Connection Requirements for MW Dispatch

Summary Information Sheet



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Introduction to NESO and Connect & Manage Regime

National Energy System Operator (NESO) is enabling connections to be offered under the 'Connect and Manage' regime, which allows generation to connect to the National Grid Electricity Transmission System ahead of the wider Transmission Reinforcement works.

MW Dispatch Service Overview

Distributed Energy Resource (DER) customers who have accepted a connection offer under this arrangement are required to join one of the market-based options, either MW Dispatch or the Balancing Mechanism (BM).

If the DER customer chooses the MW Dispatch service, the customer will deliver the service to NESO via UK Power Networks' infrastructure rather than directly to NESO.

MW Dispatch is a pre-fault transmission service where NESO may instruct DERs to curtail output through UKPN infrastructure to manage transmission constraints as a paid service.

Participation in NESO services has been a requirement for connecting to 5 Grid Supply Points (GSPs) in South Eastern Power Networks (SPN) area since 2019.

MW Dispatch Service Requirements

NESO will own the DER registration and settlement process with DERs.

- ✓ Once registered for the service, DERs must inform UKPN of their availability, including any maintenance or outages, through UKPN Network Vision.
- ✓ DERs choosing to participate in the MW Dispatch service must install and configure their site control systems to communicate with the UKPN Cloud-based Dispatch Platform via API connectivity. As part of the MW Dispatch service, there is a requirement to collect operational metering data from Distribution Network Operators (DNOs) monitoring equipment and where necessary, implement an emergency turn-down control of the generator.
- ✓ All DERs required to provide the MW Dispatch service have been connecting since 2019 and are subject to G99 requirements.



DER Information & Process

1. NESO will own the DER registration and settlement process with DERs.
2. Once registered for the service, DERs must inform UKPN of their availability, including any maintenance or outages, through UKPN Network Vision system.
3. DERs choosing to participate in the MW Dispatch service must install and configure their site control systems to communicate with the UKPN Cloud-based Dispatch Platform via API connectivity.
4. The signal exchanges for this control action are facilitated via communication and control links between the customer's generator and UK Power Networks SCADA apparatus at the connection substation.
5. The normal turndown signal will be issued via the API dispatch interface. However, there is a requirement for the site to be manually turned down by the Control Room during emergency situations which will be issued via the UK Power Networks SCADA apparatus at the connection substation.
6. The MW Dispatch requirements can be met by Primary SCADA RTUs and Secondary SCADA RTUs.
7. The RTUs are required to be fitted with the same standard of operational communications as per the Distributed Energy Resource Management System (DERMS) flexible connection requirements. However, DERMS RTU logic is not required to be implemented, as there is no need for automated substation-based control.
8. DER connections to International Distribution Network Operators (IDNOs) that are within scope of MW Dispatch will need to follow a similar process as Flexible and Curtailable connections to obtain the IDNO metering data and facilitate control of the generator.

Contacts for Queries & Further Information

If you have any questions or queries, please contact:

MWDDispatchService@ukpowernetworks.co.uk

To find out more about flexible connections for DERs, please visit [our flexible connections page](#).

If there are any queries for NESO, please ask them to contact the Markets Team at:

commercial.operation@nationalenergyso.com