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Standard Electricity Network Operator Electricity Smart Meter Configurations

This guidance document provides information on the standard Electricity Network Operator Electricity Smart Meter configuration settings specified in the Energy Network Association's (ENA) [Engineering Recommendation \(ER\) M30](#). Supplier licences require the installation of Electricity Smart Metering Equipment (ESME) that complies with Smart Metering Equipment Technical Specifications (SMETS). Suppliers' Pre-Commissioning obligations outlined in [SEC Appendix AC 'Inventory, Enrolment and Withdrawal Procedures' Clause 3.3](#).

1. Supplier Obligations

The SMETS require ESME to record a range of voltage related information and send a range of voltage related Alerts. SMETS also lays out a number of Configurable Data Items that ESME must use to control such voltage related recording.

Supplier licences require the installation of ESME that comply with SMETS; SMETS requires that ESME comply with the Great Britain Companion Specification (GBCS). GBCS specifies Use Cases which allow Electricity Distributors to set the values of the Configuration Data Items.

2. Interim Solution

The current version of the GBCS does not specify 'default values', to be configured before ESME installation for these Configuration Data Items, except for the configuration of voltage related Alerts and events. Thus, until configured by an Electricity Distributor, an ESME will report voltage related data based on potentially varying configuration values.

SEC Appendix AC 'Inventory, Enrolment and Withdrawal Procedures' Clause 3.3 requires that, as part of Suppliers' Pre-Commissioning obligations (so by the point a Device is Commissioned):

Where and to the extent that the Electricity Distributor or Gas Transporter for a Device has notified the Responsible Supplier for the Device of the values for the 'NP Configurable Data Items' that the Electricity Distributor or Gas Transporter (as applicable) wishes to have configured on the Device at the time of its Commissioning, the Responsible Supplier shall take all reasonable steps to ensure that those data items are so configured on the Device at the time of its Commissioning. In this Clause 3.3, 'NP Configurable Data Items' means those data items held on Devices that are capable of being configured via Services Requests for which the User Role of 'Electricity Distributors' or 'Gas Transporter' (as applicable) is an Eligible User Role.

Electricity Distributors have jointly agreed the settings they require to be configured on each ESME by the time it is Commissioned (the 'NP Configurable Data Items'). Those settings are specified in the [Engineering Recommendation M30](#). **Suppliers therefore need to ensure ESME are configured to these values by the time they are Commissioned.**

3. Enduring Solution

SEC modification proposal [SECMP0018 'Standard Electricity Distributor Configuration Settings'](#) seeks to make amendments to the GBCS to specify the standard Electricity Distributor configuration settings to be applied to an electricity smart meter by the Manufacturer. If approved, the implementation of this modification will result in the Configurable Data Items provided in the Engineering Recommendation M30 to be outlined in the GBCS. Subject to the completion of the SEC Modification process, the target implementation date will be in 2019.