



Commissioning and testing guide

March 2018

Overview

The purpose of this document is to describe the commissioning and testing requirements for a site to go live.

This should be read in conjunction with the Commissioning and testing checklist.

The requirements are split into 3 areas

- Documentation
- Interface testing
- Customer Portal set up

Documentation

All relevant documentation must be in place before a participant can go live.

This includes signing a framework agreement (one per participant) and completing the relevant participation requirements form (one per site). The latter must be approved by Flexible Power to ensure the minimum technical standards are met. Flexible Power will endeavour to review the forms as quickly as possible. The relevant assistance documents cover the requirements.

Finally Flexible Power needs the billing details form to arrange payments.

Interface testing

The interface testing is simply to ensure that the operational interface, either via the API or an outstation is operating correctly. This ensures both Flexible Power and the Participant are confident that communication is effective.

It should be noted that the aim is to test the interface and not the asset it connects to. As such Flexible Power is happy to test off line.

An interface can be scheduled with Flexible Power once the interface has been built and tested locally.

This process differs slightly for the API or the Outstation options.

API

For API interfaces, a self-test environment is available for basic testing and debugging. It is available at <https://uat.flexiblepowerwpd.co.uk>

Following comprehensive self-testing, a test can be arranged with Flexible Power. This will involve:

- Sending metering data (this can be dummy data) reliably for 30 minutes (the full duration of the test).
- Receiving a start signal for one of the relevant services in one of the zones
- Sending an emergency stop signal for the service.
- Receiving a start signal for the other relevant service in another zone
- Receiving a stop signal

Following the test, the participant must supply a log of all signals sent and received (including metering signals) to allow Flexible Power to verify both ends have seen the same information.

If the test is successful, the participant's API will be transferred to the live environment. If not, the participant will be asked to rebuild the interface and test again in the test environment.

Outstation

Outstation interfaces require site by site design in coordination with Flexible Power. Following the installation of the outstation the participant will be expected to conduct the following test in conjunction with Flexible Power:

- Sending metering data (this can be dummy data) reliably for 30 minutes (the full duration of the test).
- Receiving a start signal for one of the relevant services in one of the zones
- Sending an emergency stop signal for the service.
- Receiving a start signal for the other relevant service in another zone
- Receiving a stop signal

Following the test, the participant must supply a log of all signals sent and received (including metering signals) to allow Flexible Power to verify both ends have seen the same information.

Customer Portal set up

The final task is to set up the customer portal.

Flexible Power will provide a participant login and one time pass word.
Participants will then be asked to set a new password.

Participants will then be required to fill in the basic availability information.

More details can be found in the availability declaration guidance document.