

Frequency Response Auction Trial

Appendix C – Low Frequency Static (LFS) Service Testing Certificate

Appendix C

Please use this test certificate format and submit to NGESO, along with the test data and CV of the ITE employed by the prospective response provider.

Prospective Response Provider Company Details

Prospective Response Provider Company name
Companies House number
Primary contact name(s)
Contact number(s)
Email address(es)

Contract Details

Unique ID Code (provided by NGESO)	
Service type	LFS
Asset owner	
Asset owner Companies House number	
Asset name	
Asset type: Generation/Demand/Both?	
Asset technology, e.g. diesel generator, battery etc	
Unit make up, e.g. single or aggregated	
Aggregation methodology (if appropriate)	
Address (including post code)	
Export/Import PAN/MPAN	
Asset contact details	
Test date	
Effective from date	

Static Service Details

Contracted response time	1 second
Contracted duration	30 mins
Trigger Frequency Setting	49.6Hz

Test Results

Pass Criteria	Pass / Fail	Comment
An acceptable frequency injection profile is used.	Pass / Fail	
The relay operating point of the plant/unit(s) occurs at the correct contracted trigger frequency and within the permitted tolerance ($\pm 0.01\text{Hz}$).	Pass / Fail	See Figure 1 for sample showing close up of the frequency at which relay operates
The response is sustained for 30 minutes.	Pass / Fail	
The standard deviation of active power error over a 30 minute period does not exceed 2.5% of the contracted active power change.	Pass / Fail	Insert test SD value here
Response volume is assessed as the minimum response observed from 1 second to 30 minutes following relay trigger	Pass / Fail	Can be shown in Figure 2 below.
Overall Test Result	Pass / Fail	<Confirm volume validated by test>

Figure 1 – Relay Operation (sample, to be replaced with test data)

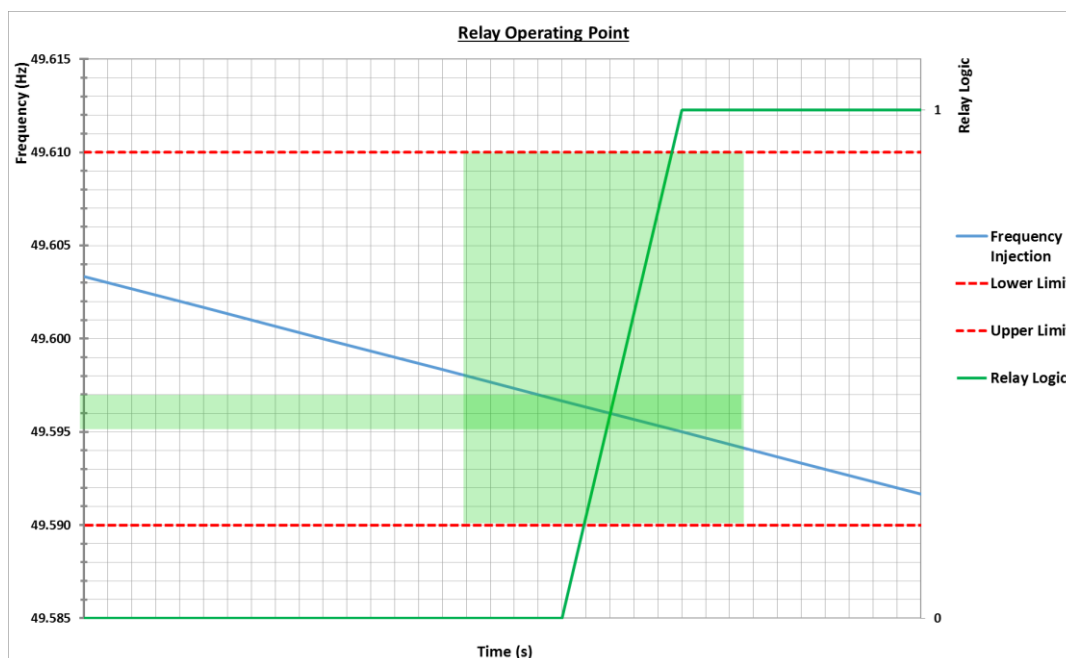
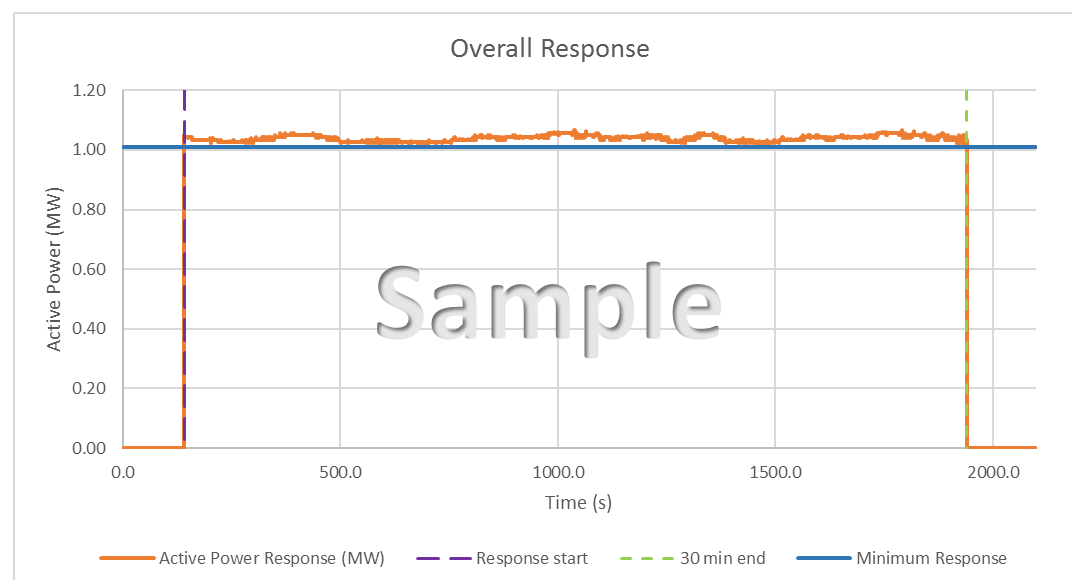


Figure 2 – Overall Response (sample, to be replaced with test data)



Independent Technical Expert (ITE) Details

Company name

Primary contact name

Contact number /s

Email address

I / We confirm that I / We the following:

- (a) I/We am a/are Independent Technical Expert(s) (as defined in Appendix B of the NGESO's prevailing Testing Guidelines;
- (b) I/We have carried out an assessment of the [asset] described above in accordance with the testing guidelines set out in the Testing Guidelines;
- (c) the above details are, to my/our best knowledge and belief, true, accurate, complete and not misleading; and
- (d) the CV attached of my/our experience is to my/our best knowledge and belief, true, accurate, complete and not misleading.

Signed: