System Services

Test Report Checklist

Unit Name

DISCLAIMER:

This Document contains information (and/or attachments) which may be privileged or confidential. All content is intended solely for the use of the individual or entity to whom it is addressed. If you are not the intended recipient please be aware that any disclosure, copying, distribution or use of the contents of this message is prohibited. If you suspect that you have received this Document in error please notify EirGrid or its subsidiaries immediately. EirGrid and its subsidiaries do not accept liability for any loss or damage arising from the use of this document or any reliance on the information it contains or the accuracy or up to date nature thereof. Use of this document and the information it contains is at the user’s sole risk. In addition, EirGrid and its subsidiaries strongly recommend that any party wishing to make a decision based on the content of this document should not rely solely upon data and information contained herein and should consult EirGrid or its subsidiaries in advance.

Further information can be found at: http://www.eirgridgroup.com/legal

# Document Version History

Tenderer version history below;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date** | **Comment** | **Name** | **Company** |
| 1.0 | Insert date | Initial Version (1.0) - First submission for review and approval | Insert name | Insert company |
| 1.0  | Insert Date | Revised to version xxx due to; | Insert Name | Unit Company Name |

# Introduction

The purpose of this checklist is to help tenderers complete their test reports following a DS3 System Services test and mitigate the risk of delays at the report review stage leading to a failure to achieve DS3 System Service tender deadlines. The content of this checklist has been developed by the TSOs in response to recurring issues identified over previous System Services procurement gates. The objective is to help tenderers mitigate the risks associated with incomplete test reports and the impact of not securing new or updated contracted values.

The tenderer shall sign and submit the latest version of this test report checklist template as published on the EirGrid or SONI websites[[1]](#footnote-2) alongside any System Service report submissions.

The report checklist shall be completed by the point of contact referenced in the tenderer’s Scope document, to outline all aspects of the accompanying report for review have been addressed. The report and report checklist are to be submitted to generator\_testing@eirgrid.com, DSU@Eirgrid.com or generator\_testing@soni.ltd.uk as appropriate.

Submission of this document is required alongside a report if a unit is applying for new, or is making changes to existing, System Services.

Notes:

* Discrepancies found between this document and the associated test report will result in report rejection.
* Units with test dates after an applicable tender submission deadline must ensure to meet the 10BD deadline of report submission, including any revisions required within that deadline.
* If a test report is incomplete on a first submission, a tenderer risks not meeting the test report approval timelines for an applicable procurement gate.

Any issue with meeting any requirements or completing this report checklist, please contact generator\_testing@eirgrid.com, DSU@Eirgrid.com or generator\_testing@soni.ltd.uk as appropriate.

# Abbreviations

BD Business Days

MW Mega Watt

AAP Available Active Power

POR Primary Operating Reserve

SOR Secondary Operating Reserve

TOR Tertiary Operating Reserve

FFR Fast Frequency Response

RM Ramping Margin

RRS Replacement Reserve – Synchronised

RRD Replacement Reserve – Desynchronised

TOD Technical Offer Data

SSRP Steady-State Reactive Power

AVR Automatic Voltage Regulation

WFCS Wind Farm Control System

DMOL Design Minimum Operating Level

# Unit Data

|  |  |
| --- | --- |
| Unit Name | Unit to Specify  |
| Unit Associated Report | Unit to Specify  |
| Test Date | Unit to Specify |
| Report Deadline (Test Date + 10BD) | Unit to Specify |
| Report Submission Date | Unit to Specify |

# REPORT CHECKLIST

## All Submissions

|  |  |
| --- | --- |
| Unit has submitted scanned test procedure to generator\_testing@eirgrid.com [DSU@eirgrid.com](https://buzz.grid.ie/sites/operations/as/commissioningtesting/Templates/DSU%40EirGrid.eirgrid.com%2C) / generator\_testing@soni.ltd.uk where applicable | Confirm (Y) |
| Unit has submitted test data to generator\_testing@eirgrid.com / DSU@eirgrid.com / generator\_testing@soni.ltd.uk where applicable | Confirm (Y) |
| Unit name is as per Connection Agreement / DSUSOIA / GASOA throughout report | Confirm (Y) |
| Unit data within the report has been provided and is correct at time of submission | YES / NO |
| Summary includes correct and informative description of test (template available) | YES / NO |
| Any issues or abnormal behaviour encountered during testing have been addressed in Report Summary | YES / NO / N/A |
| Proposed volumes are included and are true to demonstrated test capability | YES / NO |
| All relevant graphs as per Test Report template guidelines are included in test report | YES / NO |
| Graphs are of clear resolution. All labelling is included and correct including axis, recorded data and volumes | YES / NO |
| All relevant data tables and analysis is included in report | YES / NO |
| Analysis follows report template guidelines | YES / NO |
| Has the Unit demonstrated non-compliance with the Grid Code2 at any time during testing? | YES / NO |
| Unit meets minimum requirement of 1MW of each service with volume proposed.  | YES / NO |

2[http://www.eirgridgroup.com/site-files/library/EirGrid/Grid-Code.pdf /](http://www.eirgridgroup.com/site-files/library/EirGrid/Grid-Code.pdf%20/) <http://www.soni.ltd.uk/media/documents/SONI-GridCode-Version-Feb2020.pdf>

## Operating Reserves – All

|  |  |
| --- | --- |
| Additional energy provided by FFR under conditions with proposed volumes, is less than any energy drawn | YES / NO  |
| Proposed volumes have been determined as per report template guidelines over all test scenarios | YES / NO |
| Correct time frames have been applied for calculations of FFR / POR / SOR / TOR1 based on report template guidelines | YES / NO |
| Correct Reserve Curves3 have been provided for each service the Unit is applying for. | YES / NO |

3http://www.eirgridgroup.com/site-files/library/EirGrid/Reserve-Curve-Tool.xlsb

## Operating Reserves – With Emulated Inertia

|  |  |
| --- | --- |
| Emulated Inertia has been demonstrated as described in scope4 | YES / NO  |
| Emulated Inertia is successful in all the tested scenarios | YES / NO |
| The lowest successfully demonstrated Emulated Inertia volume across all test scenarios is the proposed volume as per Test Report Guidelines | YES / NO |
| If Emulated Inertia has not been successful has this been addressed in the report, including any follow up requirements? | YES / NO / N/A |

4http://www.eirgridgroup.com/customer-and-industry/general-customer-information/grid-code-compliance-test/compliance-testing/system-services-testing/index.xml

## Ramping Services

|  |  |
| --- | --- |
| TOR2 / RRD / RRS / RM1 / RM3 / RM8 have been demonstrated as described in scope4 | YES / NO  |
| TOD changes have been submitted as with 10BD approval time taken in to consideration | YES / NO / N/A |
| Grid Code Compliance report has been submitted | YES / NO / N/A |

## SSRP

|  |  |
| --- | --- |
| Reactive Power Capability has been demonstrated as described in scope4 | YES / NO  |
| The tested capability is in line with the modelled capability graph provided in the test procedure. | YES / NO |
| The measured capability is the same in all 3 modes (for PPMs) | YES / NO |
| Does the Unit provide reactive power at 0MW? (0MW AAP scenario for wind) | YES / NO |
| Has the unit successfully demonstrated AVR control? | YES / NO / N/A |

# Declaration

*I can confirm contents of this document are true to the [Unit to Specify Report Name] report for [Unit to Specify Unit Name]. The quality of the report is a high standard and I am aware of the process outlined in the Introduction of this document for report approval.*

|  |
| --- |
|   |

[Insert Responsible Tenderer Name*]*

1. <http://www.eirgridgroup.com/> or <http://www.soni.ltd.uk/> [↑](#footnote-ref-2)