**Pre-synchronisation Declaration Template**

[Insert Unit Name]

[Insert Three Letter Code]

Version 0.1

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# Version History

This procedure is based on EirGrid’s Template V3.0, published January 2025

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Revision  | Date | Comment | Name | Company |
| 0.1 | Xx/xx/xxxx | Draft submitted by IPP for EirGrid review | User | User |
|  |  |  |  |  |
|  |  |  |  |  |

# Introduction

The Unit must submit the latest version of this test procedure as published on the EirGrid website.

This test requires the approved customer commissioner to submit, and record declarations of fitness prior to the synchronisation of the unit.

After approval and closure of the agreed ION Checklist Test reports with generator\_testing@eirgrid.com the Unit shall complete this document with all required DOF numbers as provided by NCC.

All yellow sections must be completed in advance. All grey sections must be filled in in advance of submission. If any requirements or steps are unclear, or if there is an issue with meeting any requirements or carrying out any steps, please contact generator\_testing@eirgrid.com.

On completion, this document shall be submitted to generator\_testing@eirgrid.com according to the following timeline;

|  |  |
| --- | --- |
| **Submission** | **Timeline** |
| A scanned copy with all relevant signatures | 1 working day following receipt of all the DOF numbers from NCC. |

The Unit will only be synchronised on issuance of Interim Operational Notification (ION). Completion of this template and issuance of the ION may be on the same day if all ION Checklist tests have been closed in advance. It is the responsibility of the Unit to coordinate closure of ION Checklist, this test submission and issuance of ION in advance of Synchronisation. This shall be coordinated according to TSO timelines. The ION will be issued by generator\_testing@eirgrid.com with specific date and time of Synchronisation.

|  |
| --- |
| **Note:**After completion of this template and issuance of the ION, Eirgrid Generator Testing Team will inform NCC (NationalControlCenter@eirgrid.com) that the pre-synchronisation requirements for the generator have been met. |

# Pre-Synchronisation Requirements

Should “No” be answered by the Unit to any of the following conditions, this document will not be accepted.

|  |  |  |
| --- | --- | --- |
| **No.** | **Conditions** | **Status** |
| 1 | Confirm that all generator transformer protection settings are implemented as agreed with GridProtection@eirgrid.com.N.B. If the protection settings currently applied are not the same as those agreed in the EON checklist, the customer must inform GridProtection@EirGrid.com and agree the updated protection settings before first synchronisation of the generator. | Yes / No |
| 2 | Confirm that Business Process [BP\_SO\_12.1\_Unit Testing](https://www.sem-o.com/documents/general-publications/BP_SO_12.1_Unit_Testing.pdf)[[1]](#footnote-1) is being followed for any on load commissioning and testing activities, including:1. Load Profile Request Form[[2]](#footnote-2) being submitted to neartime@eirgrid.com within the required timeframes
2. Test PNs being submitted in line with the pre-approved Test Profile
 | Yes / No |

# Declarations of Fitness

All DOFs as agreed with generator\_testing@eirgrid.com must be provided by for [insert unit name and three letter code] using the 3rd Party DOF form, and following the 3rd Party DOF process. NCC will provide DOF numbers, which the commissioner will record below.

|  |  |  |
| --- | --- | --- |
| **DOF Number as provided by NCC.** | **Ref:** | **Description.** |
|  | 1 | All XX1 21kV switch-gear and all 21kV bus ducts are fully tested and fit for service. |
|  | 2 | All protection, interlocking and intertripping schemes are tested and operational. |
|  | 3 | The excitation system, including Automatic Voltage Regulation, is tested and fit for initial operation. |
|  | 4 | The governor system is tested and fit for initial operation. |
|  | 5 | The synchronisation scheme for synchronising across the XX1 21 kV generator circuit breaker CB is fully tested and operational. |
|  | 6 | All signalling (including the Special Protection Scheme) between the XXXXXX Transmission Station, the XXXXXX Power Station interface and the XX1 Control System is fully tested and operational. |
|  | 7 | The Unit is fit for initial operation and is ready to be synchronised to the system. |

DOFs will be site specific and will be agreed by generator\_testing@eirgrid.com in advance of first synchronisation.

**Note:** Where possible, submit the DOFs to the NCC in a single document, with each item listed separately.

# Declaration & Signature

The information provided above is hereby affirmed as complete and accurate.

**Unit Test Coordinator:**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Company \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. <https://www.sem-o.com/documents/general-publications/BP_SO_12.1_Unit_Testing.pdf> [↑](#footnote-ref-1)
2. <https://cms.eirgrid.ie/sites/default/files/publications/GeneratorTestProfileTemplate.xlsx> [↑](#footnote-ref-2)