Data Poor Performance Scalar Reset

Guidance Note Version 2

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EirGrid GROUP

Document Overview

This document outlines the different options available to DS3 System Services providers for resetting Data Poor FFR and OR Performance Scalars.

Options 1, 2 and 3 outline all options where additional testing will not be required to reset DS3 System Services Data Poor Performance Scalars. Option 4 outlines scenarios that can arise using the testing options available.

Option 1 – Non-Chargeable Frequency Event

The Data Poor Performance Scalar can be reset by an assessment of how the unit performed during a Frequency Event that is non-chargeable i.e., when the frequency falls to between 49.8Hz and 49.7Hz. The customer can request this method of Data Poor Performance Scalar reset for System Services by emailing PERFORMANCEMONITOR@Eirgrid.com / PerformanceMonitoring@soni.ltd.uk and providing the necessary data. If the TSO determines that the unit passes the performance assessment for the non-chargeable event, then the TSO will reset the Data Poor Performance Scalar from the date of the non-chargeable Frequency Event and resettle to the date Performance Monitoring was provided with non-chargeable data.

Please note that a unit's frequency trigger can only be changed through the gate process. A unit should not change its frequency trigger to respond to a non-chargeable frequency event.

Option 2 – Historical Test Data

The Data Poor Performance Scalar can be reset by using data from an approved test report that has been completed in the last 12 months prior to the request to reset the Data Poor Performance Scalar. The customer can request this method of Data Poor Performance Scalar reset for System Services by emailing PERFORMANCEMONITOR@Eirgrid.com / PerformanceMonitoring@soni.ltd.uk and providing the necessary approved test report. If the TSO determines that the approved test report demonstrates that the System Service that is data poor meets the requirements of the System Service, then the TSO will reset the Data Poor Performance Scalar from the date of the test and resettle as required.

For example, on the 11th of June 2022 a customer submits an approved test report that was completed on the 15th of March 2022. The customer's scalars are reset to 15th March 2022 in the scalar pack and there is a resettlement to June 2022.

Option 3 – Achieved Response Greater than 0.5MW

A customer requests their TOR1 Data Poor Performance Scalar is reset as the unit provided a response during a Chargeable Frequency Event. The unit's expected response was 0MW, so this would have been captured as an N/A in the TSO's analysis originally. An example of this scenario is shown in Figure 1 below.

			TOR1
Contracted Values	AS Agreement value [MW]		8.61
	Min level for providing reserve [MW]		0
	Decrement rate		0
System Services Performance	SCADA Declared availability [MW]		7.2
	Expected response [MW] (excl. inertia)		0
	Achieved response [MW] (excl. inertia)		7.2
	Indicative Inertia Credit [MW]		

Figure 1 – 0MW Expected Response

In this example the TOR1 Data Poor Performance Scalar was reset to the date of the Frequency Event and resettlement to the date the TSO was sent the request.

Option 3 is reviewed on a case-by-case basis. The TSOs will review the achieved response to ensure it provided an adequate response. If the Achieved response was less than 0.5MW the scalars would not have been reset. For FFR the response must be shown to be achieved and sustained.

The onus is on the customer to inform the TSOs of these scenarios.

Option 4 – Unit Retest

The Data Poor Performance Scalar can be reset by a retest of the System Services. The customer can request a Data Poor Performance Scalar retest for System Services by emailing GeneratorTesting@Eirgrid.com / generator_testing@soni.ltd.uk.

The unit's performance is assessed in line with the DS3 System Services Protocol Regulated Arrangements performance monitoring methodology that is used following a chargeable Frequency Event. The latest version of the DS3 System Services Protocol can be found in the library section of EirGrid and SONI websites[1].

By default, a unit's months since last evaluation date will be set to the date of the test and resettlement will be made to that date. Different scenarios can arise through this option, and the TSOs set out how these will be dealt with.

Note:

- The onus is always on the customer to inform the Performance Monitoring team of approved test reports.
- A non-chargeable Frequency Event is defined as the Frequency Nadir going below 49.8Hz
- Months since last evaluation date means the number of months since the last assessable Performance Event for the Providing Unit.
- Date of request is defined as the date the customer emails GeneratorTesting@Eirgrid.com / generator_testing@soni.ltd.uk requesting to carry out a test.
- Ensure you inform Generator Testing of the testing you require.

Scenario 1 – TSO Delays

For example, on the 11th of January 2022 a customer requests a test to reset their Data Poor Performance Scalar for particular System Services. The test is scheduled on the 15th of March 2022, but delays caused

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[1]   https://www.eirgridgroup.com/library/index.xml

         https://www.soni.ltd.uk/library/

by the TSO mean the test is not carried out until 15th June 2022. The customer's Data Poor Performance Scalars are reset to 15th June 2022 in the scalar pack and there is a

Scenario 2 – Customer Delays

For example, on the 11th of January 2022 a customer requests a test to reset their Data Poor Performance Scalar for particular System Services. The test is scheduled on the 15th of March 2022, but delays caused by the customer mean the test is not carried out until 15th June 2022. The customer's Data Poor Performance Scalars are reset from 15th June 2022 in the scalar pack and there is a no resettlement.

Scenario 3 – Partial Pass

For example, on the 11th of January 2022 a customer requests a test to reset their Data Poor Performance Scalar for particular System Services. The test is scheduled and completed on the 15th of March 2022. The tested System Service only partially pass the test. The retested services are set to a partial pass value (methodology as set out in the Protocol for a partial pass after a chargeable Frequency Event) to the 15th of March 2022 in the scalar pack. If resettlement is required, this will also reflect the partial pass value to January 2022.

Scenario 4 – Fail

For example, on the 11th of January 2022 a customer requests a test to reset their Data Poor Performance Scalar. The test is scheduled and completed on the 15th of March 2022. The tested System Services fail the test. The customer's Data Poor Performance Scalars are set to 0 (methodology as set out in the Protocol for a fail after a Frequency Event) to the 15th March 2022 in the scalar pack. If resettlement is required, this will also reflect the fail value back to January 2022.

Scenario 5 – FFR Only Test

There is also the option for an FFR only performance test specifically for resetting Data Poor Performance Scalar for FFR only. This is an alternative to testing FFR and OR services. It simplifies the testing requirement by reducing the duration of the test (frequency injection of 10 or 15 seconds as opposed to 20mins) and limits the scope of the test report to be reviewed. It only tests FFR and therefore only has an impact on FFR Data Poor Performance Scalars.

Please ensure you inform the TSO that the test is for FFR only.