

**Grid Code
Modification Proposal Form**

Email to gridcode@eirgrid.com



Title of Modification Proposal: DSU Notice to React

MPID (EirGrid Use Only): 327

Date:	02/09/2024		
Company Name:	EirGrid		
Applicant Name:	Deirdre Hughes		
Email Address:	deirdre.hughes@eirgrid.com	Tel:	01 6771700
Grid Code Version:	Version 14.2		
Grid Code Section(s) Impacted by Modification Proposal:	SDC2 and definitions		

Modification Proposal Justification:

In order to ensure system stability, it is essential that the MWs available to the system meet the demand needs.

From time-to-time, situations occur where a unit fails to instigate a response and the TSO has to source MWs elsewhere. This has an impact on operating the system, requiring operational intervention for additional units to be dispatched which are lower in the merit order, resulting in increasing costs and an inaccurate reflection of the MWs available to meet system needs.

At the moment, Users such as Generators receive a "Failure to Follow Notice to Synchronise" Instruction when they fail to follow their Notice to Synchronise, resulting in their availability being set down to zero. This modification proposes the inclusion of an equivalent of the "Failure to Follow Notice to Synchronise" instruction for a non-synchronous Demand Side Unit in the event of failure to react to a dispatch instruction from a zero MW value.

The TSO issues dispatch instructions to Demand Side Units to instigate a response from zero MW. If a Demand Side Unit fails to provide a response within 15 minutes of the effective time of this dispatch instruction, it is deemed non-complaint with the associated dispatch instruction. A "Failure to Follow Notice to React" Instruction will subsequently be issued to the Demand Side Unit via EDIL. The Demand Side Unit will be deemed unavailable until the issue is rectified. New availability declarations reflecting this status will remove the Demand Side Unit from consideration within the Scheduler, Imbalance Price and Balancing Market.

Red-line Version of Impacted Grid Code Section(s) - show proposed changes to text:

Deleted text in ~~strike-through red font~~ and new text highlighted in *blue font*

SDC2 Scheduling and Dispatch Code

SDC2.4.2.11
Action Required from Users

(e) Where the TSO issues a **Notice to React** Instruction via a **Dispatch Instruction** to a **Demand Side Unit Operator** and the **Demand Side Unit Operator** identifies that such **Demand Side Unit** will not be providing **Demand Side Unit MW Response** within -15/+15 minutes of its effective time,

	<p>the Demand Side Unit Operator must immediately (at the time the discrepancy is identified) inform the TSO of the situation and estimate the new Notice to React time.</p> <p>(f) If the Demand Side Unit has not reacted by reducing Demand within 15 minutes of the Notice to React Instruction, the TSO will issue a Failure to Follow Notice to React Instruction and the Demand Side Unit Operator shall re-declare, by Electronic Interface or by other form as the TSO may reasonably notify to Demand Side Unit Operator from time to time, its Availability to zero MW for the effective time of the original Notice to React.</p>
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Definitions

<p>Notice to React</p>	<p>A Dispatch Instruction issued by the TSO to a Demand Side Unit Operator to initiate Demand Side Unit MW Response from a zero MW value at the stated effective time.</p>
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<p>Failure to Follow Notice to React Instruction</p>	<p>A Dispatch Instruction issued by the TSO to a Demand Side Unit Operator in respect of its Demand Side Unit confirming that it has failed to provide a Demand Side Unit MW Response within 15 minutes after the Notice to React instruction, subject to Demand Side Unit Notice Time.</p>
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Green-line Version of Impacted Grid Code Section(s) - show proposed final text:

SDC2 Scheduling and Dispatch Code

<p>SDC2.4.2.11 Action Required from Users</p>	<p><i>(e) Where the TSO issues a Notice to React Instruction via a Dispatch Instruction to a Demand Side Unit Operator and the Demand Side Unit Operator identifies that such Demand Side Unit will not be providing Demand Side Unit MW Response within -15/+15 minutes of its effective time, the Demand Side Unit Operator must immediately (at the time the discrepancy is identified) inform the TSO of the situation and estimate the new Notice to React time.</i></p> <p><i>(f) If the Demand Side Unit has not reacted by reducing Demand within 15 minutes of the Notice to React Instruction, the TSO will issue a Failure to Follow Notice to React Instruction and the Demand Side Unit Operator shall</i></p>
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Definition:

Notice to React	A Dispatch Instruction issued by the TSO to a Demand Side Unit Operator to initiate Demand Side Unit MW Response from a zero MW value at the stated effective time.
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Failure to Follow Notice to React Instruction	A Dispatch instruction issued by the TSO to a Demand Side Unit Operator in respect of its Demand Side Unit confirming that it has failed to provide a Demand Side Unit MW Response within 15 minutes after the Notice to React instruction, subject to Demand Side Unit Notice Time .
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