

DISTRIBUTION CODE MODIFICATION PROPOSAL FORM

Modification Proposal submitted By: Eric Lambert	DATE OF SUBMISSION OF PROPOSAL: 28/05/2021	Modification Proposal Number: <i>(to be assigned by Review Panel Secretary)</i> #53
CONTACT DETAILS FOR MODIFICATION PROPOSAL ORIGINATOR: (IF NOT DISTRIBUTION CODE REVIEW PANEL)		
NAME: Eric Lambert		TELEPHONE NUMBER: 01 2370512 087 125 9999
E-MAIL ADDRESS:	Eric.Lambert@EirGrid.com	
MODIFICATION PROPOSAL TITLE:	Met Mast Data Requirements	
DISTRIBUTION CODE SECTION(S) AFFECTED BY PROPOSAL		
<ul style="list-style-type: none">• DCC11.6.1.6.1• DCC11.6.1.8 Time Delays and data quality<ul style="list-style-type: none">- DCC11.6.1.8.1		
MODIFICATION PROPOSAL DESCRIPTION <i>(Clearly state the desired amendment and all text changes. Attach further information if necessary)</i> <i>Deleted text in strike-through red font and new text highlighted in blue font</i>		
DCC11.6.1.6.1 PPMs , with an MEC in excess of 10 MW , shall make the following signals available at the TSO Telecommunications Interface Cabinet located at the PPM site:		
Wind Farm Power Station Only		
[Units, Ranges]		
a) Wind speed (at hub height or as agreed with the TSO) – measurand signal; [m/s, 0-70]		
b) Wind direction (at hub height or as agreed with the TSO) – measurand signal; [deg, 0-360]		
Solar Farm Power Station Only		
a) Solar Irradiance – measured signal		
<u>All:</u>		
a) Air temperature – measurand signal; [deg, -40-70]		
b) Air pressure – measurand signal. [mBar, 735,1060]		
DCC11.6.1.8 Time Delays and data quality		
DCC11.6.1.8.1 A digital signal change from the PPM shall be relayed to the TSO Telecommunications Interface Cabinet within 1 second of the associated change of state event. An analogue signal change shall be relayed within 5 seconds and with an error of 0.5% or less, with the exception of the Meteorological Data as required by DCC11.6.1.6.1 , which shall be updated within 5 seconds and with an error of 2.5% or less. shall be accurate at least 97.5% of the time over a rolling 12-month period.		

MODIFICATION PROPOSAL JUSTIFICATION *(Clearly state the reason for the modification. Attach further information if necessary)*

DCC11.6.1.6.1

Based on analysis of historical meteorological data in Ireland, it came to the attention of the TSO that the ranges currently specified in both the Grid Code and Distribution Code are not reflective of the wind speed as recorded by Controllable PPMs across Ireland. It is more appropriate that the units/ranges for each Controllable PPM be specified in the signal list. The TSO propose removing the units/ranges from Distribution Code clause DCC11.6.1.6.1. The TSO do not intend to change signal list ranges for existing wind farms.

DCC11.6.1.8.1

In December 2019, the TSO published version 2 of the [EirGrid Met Mast and Alternatives Study](#). The TSO propose to implement the recommendations as outlined in chapter 4.4 'Recommended Practice for a Met Data Delivery Requirement Policy'.

In order to implement the above recommendation, the TSO propose to amend Distribution Code clause DCC11.6.1.8.1 by removing 'with an error of 2.5% or less' and replacing it with 'shall be accurate at least 97.5% of the time over a rolling 12-month period.' for the relay of the Meteorological Data by a Controllable PPM.

IMPLICATIONS OF NOT IMPLEMENTING THIS MODIFICATION

The Distribution Code will not be aligned with the Grid Code which may result in some discrepancies in the data provided by PPM controlled by the TSO and those controlled by the DSO.

PLEASE SUBMIT MODIFICATION PROPOSALS TO THE PANEL SECRETARY BY E-MAIL TO: [DISTCODEPANEL@ESB.IE](mailto:DistCodePanel@ESB.ie)