MODIFICATION PROPOSAL FORM

MPID 260 – HOUSEKEEPING OF WFPS CLAUSE WFPS1.5.4.1

FORM GC1, PROPOSAL OF MODIFICATION TO GRID CODE.

160 SHELBOURNE ROAD
BALLSBRIDGE
DUBLIN 4
PH: +353-1-677 1700
FAX: +353-1-6615375
EMAIL:
GRIDCODE@EIRGRID.COM

MODIFICATION PROPOSAL ORGINATOR:	EirGrid		
MODIFICATION PROPOSAL ORIGINATOR (CONTACT NAME)	David Cashman	**MODIFICATION PROPOSAL ORIGINATOR FAX NUMBER:**	
MODIFICATION PROPOSAL ORIGINATOR TELEPHONE NUMBER:	01-2370122	**DATE:**	11/06/14
MODIFICATION PROPOSAL ORIGINATOR E-MAIL ADDRESS:	david.cashman@eirgrid.com	**MODIFICATION PROPOSAL NUMBER (EIRGRID USE ONLY)**	**MPID 260**
GRID CODE SECTION(S) AFFECTED BY PROPOSAL:	**WFPS1.5.4.1**		
GRID CODE VERSION :	**5.0**		
MODIFICATION PROPOSAL DESCRIPTION **(MUST CLEARLY STATE THE DESIRED AMENDMENT, ALL TEXT/FORMULA CHANGES TO THE GRID CODE. THE REQUIRED REASON FOR THE MODIFICATION MUST STATED. ATTACH ANY FURTHER INFORMATION IF NECESSARY.)**	This modification aims to rectify an incorrect reference in WFPS1.5.4.1. The clause refers to WFPS1.5.2.2.2 which does not exist in Grid Code Version 5. The referenced clause was present in previous versions of the Grid Code but needs to be updated following the revisions to the WFPS section for Grid Code Version 5. Below please review red-line and green-line versions of the proposed text.		
IMPLICATION OF NOT IMPLEMENTING THE MODIFICATION	The incorrect reference in clause WFPS1.5.4.1 will remain.		
Please submit the Modification Proposal by fax, post or electronically, using the information supplied above			
EIRGRID REVIEWER			

EIRGRID ASSESSMENT	

Red-line Version

WFPS1.5.4 RAMP RATES

WFPS1.5.4.1 The **Wind Farm Control System** shall be capable of controlling the ramp rate of its **Active Power** output. There shall be three ramp rate capabilities, designated **Wind Following Ramp Rate**, **Active Power Control Set-Point Ramp Rate**, and **Frequency Response Ramp Rate**. The **Wind Farm Control System** shall operate the ramp rates with the following order of priority (high to low): **Frequency Response Ramp Rate**; **Active Power Control Set-Point Ramp Rate**; **Wind Following Ramp Rate**. The **Wind Following Ramp Rate** shall be used during **Start-Up**, normal operation, and **Shutdown**. The **TSO** shall specify the **Wind Following Ramp Rate** and the **Active Power Control Set-Point Ramp Rate** in percentage of **Registered Capacity** per minute. The **Frequency Response Ramp Rate** shall be the maximum possible ramp rate of the **Controllable WFPS** agreed with the **TSO** and with the characteristics as set out in WFPS1.5.3.1.WFPS1.5.2.2.2. The **TSO** acknowledges that rapidly changing wind speeds may cause temporary deviations from the ramp rate settings of the **Controllable WFPS**, but these deviations should not be allowed to exceed 3% of **Registered Capacity**.

Green-line Version

WFPS1.5.4 RAMP RATES

WFPS1.5.4.1 The **Wind Farm Control System** shall be capable of controlling the ramp rate of its **Active Power** output. There shall be three ramp rate capabilities, designated **Wind Following Ramp Rate**, **Active Power Control Set-Point Ramp Rate**, and **Frequency Response Ramp Rate**. The **Wind Farm Control System** shall operate the ramp rates with the following order of priority (high to low): **Frequency Response Ramp Rate**; **Active Power Control Set-Point Ramp Rate**; **Wind Following Ramp Rate**. The **Wind Following Ramp Rate** shall be used during **Start-Up**, normal operation, and **Shutdown**. The **TSO** shall specify the **Wind Following Ramp Rate** and the **Active Power Control Set-Point Ramp Rate** in percentage of **Registered Capacity** per minute. The **Frequency Response Ramp Rate** shall be the maximum possible ramp rate of the **Controllable WFPS** agreed with the **TSO** and with the characteristics as set out in WFPS1.5.3.1. The **TSO** acknowledges that rapidly changing wind speeds may cause temporary deviations from the ramp rate settings of the **Controllable WFPS**, but these deviations should not be allowed to exceed 3% of **Registered Capacity**.