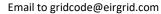
Grid Code Modification Proposal Form





Title of Modification Proposal: Clarification of Curve 1 and Curve 2

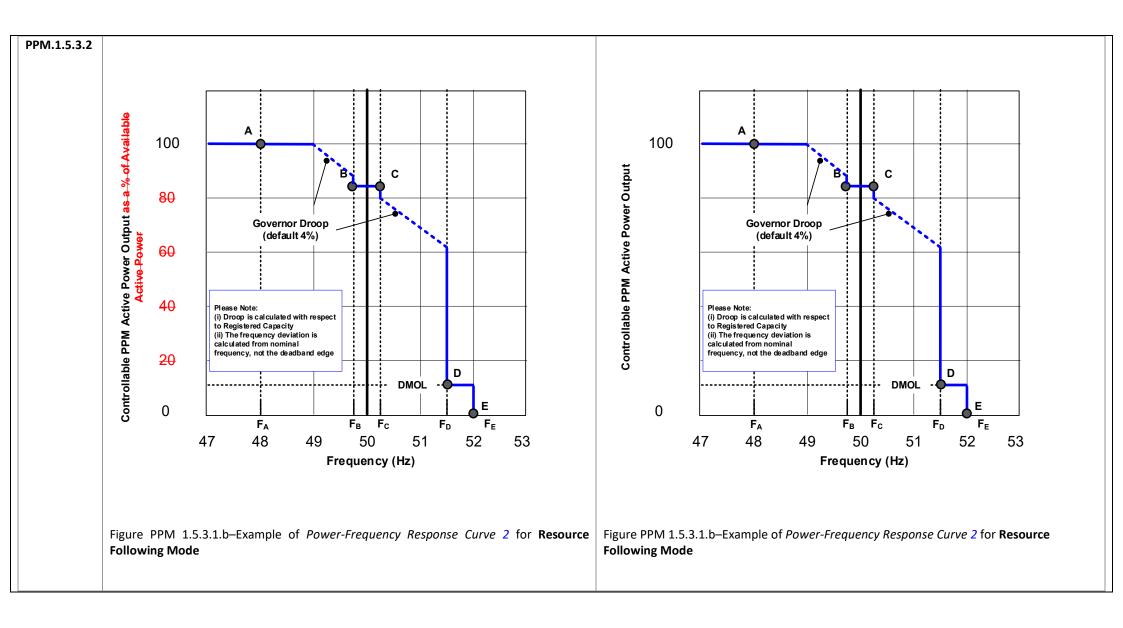
MPID (EirGrid Use Only): 343

Date:	10th of September 2025			
Company Name:	EirGrid			
Applicant Name:	Aideen O'Hagan			
Email Address:	GridCode@EirGrid.com			
Grid Code Version:	15			
Grid Code Section(s) Impacted by Modification Proposal:	Definitions			
	• PPM1.5.3.6			
	• PPM1.5.3.7			
	• PPM1.7.1.5			

Modification Proposal Justification:

A number of focused updates are being proposed to the **Grid Code** to improve clarity around **Power-Frequency Curve** 1 and curve 2, particularly within the definition of **Resource Following Mode.** The current wording does not clearly distinguish the operational characteristics of curve 1, which has led to ambiguity in its interpretation. The revised definition explicitly outlines the behaviour of **Controllable PPMs** under both curves, clarifying the distinct frequency response characteristics associated with each curve. Additionally, reference tables associated with the **Power-Frequency Curves** are being updated to better reflect values that are already applied in custom and practice, ensuring consistency between **Grid Code** documentation and how it is operationally implemented.

Section	Red Line Version Text		Green Line Version Text				
	Deleted text in strike through i	r ed font and new text highlighted in blue font					
efinitions							
	Resource Following Mode	A mode of operation of a Controllable PPM , with the exception of ESPSs , where the system frequency is within F _B -F _C , according to the active power-frequency response curve in operation (curve 1 or curve 2) and the Controllable PPM is not under Active Power Control by the TSO . allowing the Controllable PPM to produce up to 100% of its Available Active Power , depending on the Power-Frequency Curve in operation.	Resource Following Mode	A mode of operation of a Controllable PPM , with the exception of ESPSs , where the system frequency is within F _B -F _C , according to the active power-frequency response curve in operation (curve 1 or curve 2) and the Controllable PPM is not under Active Power Control by the TSO . In power-frequency response curve 1 the Controllable PPM adjusts its Active Power output to produce up to 100% of its Available Active Power . In power-frequency curve 2 the Controllable			
		the Controllable PPM adjusts its Active Power output to produce up to 100% of its Available Active Power. • In power-frequency response curve 2		PPM is required to maintain its Active Power output at a fixed percentage of its Available Active Power.			
		When operating on Power Frequency Curve 2, the Controllable PPM is required to maintain its Active Power output at a fixed percentage of its Available Active Power. when Transmission System Frequency is within the range FB-FC.					



Point Transmission System Frequency (Hz) A F _A P _A =100% % of Available Active Power B F _B Minimum of [fix spacing]: P _B or Active Power Control Set-point (converted to a % of Available Active Power) C F _C Minimum of: P _C or Active Power Control Set-point (converted to a % of Available Active Power) D F _D Minimum of: P _D or Active Power Control Set-point (converted to a % of Available Active Power) E F _E P _E = 0 %	PPM1.5.3.6				
B F _B Minimum of [fix spacing]: P _B or Active Power Control Set-point (converted to a % of Available Active Power Control Set-point (converted to a % of Available Active Power) D F _D Minimum of: P _D or Active Power Control Set-point (converted to a % of Available Active Power)		Point	System Frequency	Controll	able PPM Active Power Output
Active Power Control Set-point (converted to a % of Available Active Power Control Set-point (converted to a % of Available Active Power) D F _D Minimum of: P _D or Active Power Control Set-point (converted to a % of Available Active Power Control Set-point (converted to a % of Available Active Power)		А	FA	P _A =100% % of	Available Active Power
C F _c Minimum of: P _c or Active Power Control Set-point (converted to a % of Available Active Power) D F _D Minimum of: P _D or Active Power Control Set-point (converted to a % of Available Active Power Control Set-point (converted to a % of Available Active Power)		В	F _B	Minimum of [f	ix spacing]: P _B or
Active Power Control Set-point (converted to a % of Available Active Power) D F _D Minimum of: P _D or Active Power Control Set-point (converted to a % of Available Active Power)					(converted to a % of Available
D F _D Minimum of: P _D or Active Power Control Set-point (converted to a % of Available Active Power)		С	Fc	Minimum of:	Active Power Control Set-point
Active Power Control Set-point (converted to a % of Available Active Power)					
		D	FD	Minimum of:	Active Power Control Set-point
E					Active Power)
		E	F _E	P _E = 0 %	

Point	Transmission System Frequency (Hz)	Control	lable PPM Active Power Output
Α	F _A	P _A =100% % oj	Available Active Power
В	F _B	Minimum of:	P _B or
			Active Power Control Set-point
С	F _C	Minimum of:	P _C or
			Active Power Control Set-point
D	F _D	Minimum of:	P_D or
			Active Power Control Set-point
E	F _E	P _E = 0 %	

Table PPM 1.5.3.6: **Transmission System Frequency** and **Controllable PPM Active Power** Output Settings for the Points 'A', 'B', 'C', 'D' and 'E' illustrated in Figure
PPM 1.5.3.1.b.

				nted in Figure PPM 1.5.3.1.b.				
		Transmission		Percentage of Available		Transmission		Percentage of Available Active
PPM1.5.3.7		System		Active Power (%)		System		Power (%)
		Frequency				Frequency		
		(Hz)				(Hz)		
				Registered Capacity ≥ 5				Registered Capacity ≥ 5 MW
				MW				
					FA	47.0-49.5	PA	100
	F _A	47.0-49.5	PA	50 -100	F _B	49.5-50	P _B	
	F _B	49.5-50	P _B		Fc	50-50.5	Pc	15-100
	Fc	50-50.5	Pc	15-100	F _D		PD	DMOL
	F _D		PD	15-100 but not less than	FE	50.5-52.0	PE	0
		50.5-52.0		DMOL				
	FE		PE	0				
PPM1.7.1.5	Sign	als List #5			Signals List #	<i>t</i> 5		
Signals List #5						The Controllal	ole PP	M shall make the following sign
						specified in th	e relev	vant specifications and site-speci

The Controllable PPM shall make the following signals available	a) Frequency Response Curve (i.e. Power-Frequency Response
as specified in the relevant specifications and site-specific signal	Curve 1 or Curve 2 or Mode (1 to 5));
lists:	
a) Frequency Response Curve (i.e. <i>Power-Frequency Response</i>	
Curve 1 or Curve 2 or Mode (1 to 5));	