

MODIFICATION RECOMMENDATION FORM

DSU NOTICE TIME – MPID 256

RECOMMENDATION TO CER BY EIRGRID OF MODIFICATION TO GRID CODE.



ABSTRACT / TITLE OF MODIFICATION	DSU NOTICE TIME – MPID 256
MODIFICATION NUMBER	MPID 256
RECOMMENDED AT GCRP MEETING NUMBER	39
LIST OF GRID CODE SECTION(S) AFFECTED BY PROPOSED MODIFICATION:	SDC1.4.8.7, SDC2.A.12.1, SDC2.A.12.2, SDC1 - Appendix A, Definitions
CURRENT GRID CODE VERSION :	5
MODIFICATION DESCRIPTION Overview THE REASON FOR THE RECOMMENDED MODIFICATION	<p>This modification aims to clarify the Dispatch process for Demand Side Units. Previously, a Demand Side Unit did not have to specify a Notice Time but only a time to reach the full demand reduction requested in the Dispatch Instruction. Therefore, there was ambiguity regarding the time that a Demand Side Unit should begin ramping (effective time of the Dispatch Instruction).</p>
History of Progression through GCRPs, Working Group and/or Consultation	<p>Following consultation with industry through the Demand Side Unit Joint Grid Code Working Group the following modification was unanimously agreed among Demand Side Unit Joint Grid Code Working Group members at the 5th meeting which took place via teleconference on 09/05/2014.</p>

Summary Note of any Objections to the Recommended change from GCRP Members or Consultation Responses	No objections were raised.
Outcome of any GCRP Meeting Actions Relating to the Recommended Modification	No objections were raised.
Implication of not implementing the Modification	This modification is required to give clarity to DSU Operators on the Dispatch process.

RED-LINE VERSION

- SDC1.4.8.7 (a) The **Synchronising** and **De-Synchronising** times (and, in the case of **Pumped Storage Plant Demand**, the relevant effective time) shown in the **Indicative Operations Schedule** are indicative only and it should be borne in mind by **Users** that the **Dispatch Instructions** could reflect more or different **CDGU**, **Aggregated Generating Unit** and/or **Controllable WFPS**, **Pumped Storage Plant Demand** and/or **Aggregate Generating Unit** requirements than in the **Indicative Operations Schedule**. The **TSO** may issue **Dispatch Instructions** in respect of any **CDGU** and/or **Aggregated Generating Unit**, **Controllable WFPS**, **Pumped Storage Plant Demand** or **Aggregated Generating Unit** which has not declared an **Availability** or **Demand Side Unit MW Availability** of 0 MW in an **Availability Notice**. **Users** with **CDGUs** and/or **Aggregated Generating Units**, **Controllable WFPS**, **Pumped Storage Plant Demand** shall ensure that their units are able to be **Synchronised**, or in the case of **Pumped Storage Plant Demand**, used at the times **Scheduled**, but only if so **Dispatched** by the **TSO** by issue of a **Dispatch Instruction**. **Users** shall, as part of a revision to the **Technical Parameters**, indicate to the **TSO** the latest time at which a **Dispatch Instruction** is required to meet the scheduled **Synchronising** time or in the case of **Pumped Storage Plant Demand**, the **Scheduled** relevant effective time.
- (b) The provisions of SDC1.4.8.7(a) shall apply to **Demand Side Units** with the exception that reference to relevant effective time shall be

read as a reference to **Demand Side Unit Notice**~~MW Response Time~~.

SDC2.A.12.1

For **Demand Side Units**, the **Dispatch Instruction** issue time will always have due regard for the **Demand Side Unit Notice Time**~~Demand Side Unit MW Response Time~~ declared to the **TSO** by the **Demand Side Unit Operator** as a **Technical Parameter** or as part of **Additional Grid Code Characteristics Notice** data.

~~The instruction will follow the form, for example:~~

~~“Time 1300 hours. Unit 1, Demand Side Unit MW Response at 1400 hours”~~

SDC2.A.12.2

If the time of the **Dispatch Instruction** is 1400 hours, the **Demand Side Unit** is XX1, the **Demand Side Unit Notice Time** is 10 minutes and the **Demand Side Unit MW Response** to be achieved is 20 **MW**, the relevant part of the instruction would be for example:

“Time 1400 hours. Unit XX1 to 20 **MW**, start at 1410 hours”

SDC1 - Appendix A

Techni cal Param eter	CDGU				Cont rol WFP S	DSU		Ag g. Ge n	CDG U <10M W	Pump Stora ge Dema nd
	Ther mal	Hyd ro / En Ltd	Dis p. WF PS	Pu mp S Gen		-	Individ ual Deman d Site			
Deman d Side Unit Notice Time						<input type="checkbox"/>	<input type="checkbox"/>			

Demand Side Unit Notice Time	The time as specified by the Demand Side Unit Operator in the Technical Parameter and is the time it takes for the Demand Side Unit to begin ramping to the Demand Side Unit MW Response from receipt of the Dispatch Instruction from the TSO .
Demand Side Unit Ramp Time	The time it takes for a Demand Side Unit to ramp to the Demand Side Unit MW Response . It is equal to the Demand Side Unit MW Response Time less the Demand Side Unit Notice Time .

GREEN-LINE VERSION

- SDC1.4.8.7 (a) The **Synchronising** and **De-Synchronising** times (and, in the case of **Pumped Storage Plant Demand**, the relevant effective time) shown in the **Indicative Operations Schedule** are indicative only and it should be borne in mind by **Users** that the **Dispatch Instructions** could reflect more or different **CDGU**, **Aggregated Generating Unit** and/or **Controllable WFPS**, **Pumped Storage Plant Demand** and/or **Aggregate Generating Unit** requirements than in the **Indicative Operations Schedule**. The **TSO** may issue **Dispatch Instructions** in respect of any **CDGU** and/or **Aggregated Generating Unit**, **Controllable WFPS**, **Pumped Storage Plant Demand** or **Aggregated Generating Unit** which has not declared an **Availability** or **Demand Side Unit MW Availability** of 0 MW in an **Availability Notice**. **Users** with **CDGUs** and/or **Aggregated Generating Units**, **Controllable WFPS**, **Pumped Storage Plant Demand** shall ensure that their units are able to be **Synchronised**, or in the case of **Pumped Storage Plant Demand**, used at the times **Scheduled**, but only if so **Dispatched** by the **TSO** by issue of a **Dispatch Instruction**. **Users** shall, as part of a revision to the **Technical Parameters**, indicate to the **TSO** the latest time at which a **Dispatch Instruction** is required to meet the scheduled **Synchronising** time or in the case of **Pumped Storage Plant Demand**, the **Scheduled** relevant effective time.
- (b) The provisions of SDC1.4.8.7(a) shall apply to **Demand Side Units** with the exception that reference to relevant effective time shall be read as a reference to **Demand Side Unit Notice Time**.

- SDC2.A.12.1 For **Demand Side Units**, the **Dispatch Instruction** issue time will always have due regard for the **Demand Side Unit Notice Time** declared to the **TSO** by the **Demand Side Unit Operator** as a **Technical Parameter** or as part of **Additional Grid Code Characteristics Notice** data.

SDC2.A.12.2 If the time of the **Dispatch Instruction** is 1400 hours, the **Demand Side Unit** is XX1, the **Demand Side Unit Notice Time** is 10 minutes and the **Demand Side Unit MW Response** to be achieved is 20 **MW**, the relevant part of the instruction would be for example:
 “Time 1400 hours. Unit XX1 to 20 **MW**, start at 1410 hours”

SDC1 - Appendix A

Techni cal Param eter	CDGU				Cont rol WFP S	DSU		Ag g. Ge n	CDG U <10M W	Pump Stora ge Dema nd
	Ther mal	Hyd ro / En Ltd	Dis p. WF PS	Pu mp S Gen		-	Individ ual Deman d Site			
Deman d Side Unit Notice Time						<input type="checkbox"/>	<input type="checkbox"/>			

Demand Side Unit Notice Time	The time as specified by the Demand Side Unit Operator in the Technical Parameter and is the time it takes for the Demand Side Unit to begin ramping to the Demand Side Unit MW Response from receipt of the Dispatch Instruction from the TSO .
Demand Side Unit Ramp Time	The time it takes for a Demand Side Unit to ramp to the Demand Side Unit MW Response . It is equal to the Demand Side Unit MW Response Time less the Demand Side Unit Notice Time .