

APPENDIX A - MARKET OPERATIONS TIMETABLE

A.1 INTRODUCTION

A.1.1 This Appendix sets forth certain obligations respecting actions to be taken, and the time at which such actions must be taken, by the *EMC*, the *PSO* and *market participants* in respect of *real-time market operations*.

A.1.2 In this Appendix:

A.1.2.1 “D” shall refer to a *trading day*;

A.1.2.2 “T” shall refer to the beginning of a *dispatch period*; and

A.1.2.3 “PDS” shall refer to a *pre-dispatch schedule*.

A.2 THE MARKET OPERATIONS TIMETABLE

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
		Standing Capability Data				
Prior to facility registration	As specified in the applicable <i>market manual</i>	Provide initial <i>standing capability data</i> where such data shall have been provided to the <i>PSO</i> by a <i>market participant</i> , and approved by the <i>PSO</i> , in accordance with the <i>systems operations manual</i> .	<i>PSO</i>	<i>EMC</i>	From first day of participation and until superseded.	Once
Before day D	As specified in the applicable <i>market manual</i>	Provide revised <i>standing capability data</i> where such data shall have been provided to the <i>PSO</i> by a <i>market participant</i> , and approved by the <i>PSO</i> , in accordance with the <i>systems operations manual</i> .	<i>PSO</i>	<i>EMC</i>	From day D until superseded	As required

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
		Standing Offers for Energy, Reserve and Regulation				
Prior to facility registration	Any	First <i>standing offer</i> submitted	<i>Market participant</i>	<i>EMC</i>	Until superseded	Once
Any time, until D	T-65 minutes	Last time at which valid revised <i>standing offer</i> may be submitted without being subject to review in accordance with section 10.4 of Chapter 6.	<i>Market participant</i>	<i>EMC</i>	Until superseded	On going/as required
Any time, until D	T-5 minutes.	Last time at which a valid revised <i>standing offer</i> is guaranteed to be included in the <i>real-time scheduling</i> process.	<i>Market participant</i>	<i>EMC</i>	Until superseded	On going/as required

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
		Offer Variations for Energy, Reserve and Regulation				
D-8 days	09:00	<i>EMC</i> begins accepting <i>offer variations</i> for <i>dispatch periods</i> during <i>trading day D</i> .	<i>EMC</i>		D	On going
D-8 days to D	From 09:00 on D-8 days, within 5 minutes of receipt	Notification of acceptance/rejection of <i>offer</i> .	<i>EMC</i>	<i>Market participant</i>	D	On going
D	T-65 minutes	Last time at which valid <i>offer variation</i> may be submitted without being subject to review in accordance with section 10.4 of Chapter 6.	<i>Market participant</i>	<i>EMC</i>	T + 30 minutes	On going
D	T-5 minutes.	Last time at which a valid <i>offer variation</i> is guaranteed to be included in the <i>real-time scheduling</i> process.	<i>Market participant</i>	<i>EMC</i>	T + 30 minutes	On going

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
		Market Outlook Scenarios				
D-7 days	21:00	Last time at which valid <i>offer variations</i> are guaranteed to be included in <i>market outlook scenarios</i> run at 21:00 on D-7 days.	<i>Market participant</i>	<i>EMC</i>		Daily
D-7 days	By 21:00	<i>Dispatch-related data</i> issued for D, and revised data issued for days D-5 to D-1.	<i>PSO</i>	<i>EMC</i>	2 to 7 days hence	Daily
D-7 days	From 21:00	<i>EMC</i> runs <i>market outlook scenarios</i> for period from beginning of D-5 to end of D.	<i>EMC</i>		End of current <i>pre-dispatch horizon</i> (beginning of D-5 to end of D)	Daily
D-6 days	9:00	<i>Market outlook scenario</i> results for period from the beginning of D-5 to end of D <i>published</i> .	<i>EMC</i>	Some just to <i>market participants</i> , some <i>published</i> .	D-5 00:00 to D 23:30	Daily

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
				All to <i>PSO</i> .		
		Pre-Dispatch Schedules				
D-1 day/ D	PDS publication time – 125 minutes	Latest time at which <i>offer variations</i> are guaranteed to be included in PDS run.				Every 120 minutes
D-1 day/ D	PDS publication time – 120 minutes	Latest time to complete updating of <i>PSO</i> data to be used in the PDS.	<i>PSO</i>	<i>EMC</i>	<i>pre-dispatch horizon</i> as at that time.	Every 120 minutes
D-1 day / D	PDS publication time – 120 minutes	Computation begins of PDS using the <i>market clearing engine</i> .	<i>EMC</i>		<i>pre-dispatch horizon</i> as at that time.	Every 120 minutes
D-1 day	By 11:45	First PDS information released for <i>trading day</i> .	<i>EMC</i>	Some just to <i>market participants</i> , some <i>published</i>	12:00 on D-1 day to 23:30 on D	Daily

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
				All to <i>PSO</i> .		
D-1 day to D	Every 120 minutes from 11:45 on D-1 day.	PDS information released for remaining periods in day D.	<i>EMC</i>	Some just to <i>market participants</i> , some <i>published</i> All to <i>PSO</i> .	PDS <i>publication</i> time plus 15 minutes to 23:30 on D	Every 120 minutes
D	21:45	Final PDS information released for last <i>dispatch period</i> in day D. (Information for D+1 also included.)	<i>EMC</i>	Some just to <i>market participants</i> , some <i>published</i> All to <i>PSO</i> .		Daily
		Short-Term Schedule				
D	T-4 minutes	Latest time at which <i>offer variations</i> are guaranteed to be included in <i>short-term schedule</i> run.	<i>Market participant</i>	<i>EMC</i>		Every 30 minutes
D	T-4 minutes	Latest time to complete updating of <i>PSO</i> data to be used in the <i>short-term schedule</i> .	<i>PSO</i>	<i>EMC</i>	13 consecutive <i>dispatch periods</i> commencing at T.	Every 30 minutes

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
					(Note: The first dispatch period will not be published. This is covered in the RTS.)	
D	T-4 minutes	Computation begins of <i>short-term schedule</i> using the <i>market clearing engine</i> .	EMC		13 consecutive <i>dispatch periods</i> commencing at T. (Note: The first dispatch period will not be published. This is covered in the RTS.)	Every 30 minutes
D	T+5 minutes	<i>Short-term schedule</i> information released.	EMC	Some just to <i>market participants</i> , some published All to <i>PSO</i> .	12 consecutive <i>dispatch periods</i> commencing at T+30 minutes	Every 30 minutes
Real-Time Dispatch						
D	T-5	Latest time to complete	PSO	EMC		Every 30 minutes

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
		updating of <i>dispatch-related data</i> to be used in the <i>real-time dispatch schedule</i> .				
D	T -5	Computation begins of <i>real-time dispatch schedule</i> using the <i>market clearing engine</i> .	<i>EMC</i>			Every 30 minutes
D	Prior to T - 30 seconds	Issuance of <i>real-time dispatch schedules, real-time pricing schedule</i> , and the market information set out in section 9.2.4 of this Chapter.	<i>EMC</i>	Some just to <i>market participants, some published. Real-time dispatch schedules to PSO.</i>	T + 30 minutes, or until revised.	Every 30 minutes
D	Prior to T	Where necessary, <i>PSO</i> issues dispatch instructions.	<i>PSO</i>	<i>Market participants.</i>	T + 30 minutes, or until revised.	Every 30 minutes
D	All times	In accordance with Chapter 5, <i>PSO</i> monitors dispatch and may	<i>PSO</i>	<i>Market</i>	T + 30 minutes	On going

Day	Time of Day	Event	Provided By/ Who does it	Provided To	Period Covered	Frequency
		intervene by issuing <i>dispatch instructions</i> via <i>AGC</i> or voice communications.		<i>participants</i>		
		After Real-Time Dispatch				
D+1 day	12:00	Issue report as required for day D.	<i>EMC</i>	<i>Market Surveillance and Compliance Panel</i>	Previous <i>trading day</i>	Daily