I-SEM
LCF Short Day Clock Change Bulletin

Version 1.1

25 March 2020

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1 Document Version History

Version	Date	Author	Description of changes
1.0	26/03/2019	Trading Operations, SEMO	Initial Release
1.1	24/03/2020	Trading Operations, SEMO	Second Release

2 Introduction

This I-SEM Limited Communications Failure (LCF) short day clock change bulletin seeks to provide clarity on how to use the LCF XML generator 'short day' tool for the short day clock change. In this document we will provide an example of how to use the tool to create:

- Physical Notifications
- Simple Commercial Offer Data
- Forecast Availability

This document is only intended to aid participants in case they experience an LCF on the short day clock change day (e.g. 29/03/2020). An LCF is where a Participant cannot access the Balancing Market via TYPE2 (BMI) or TYPE3 (Web service) where applicable. If a participant experiences an LCF, please refer to section 3 Useful Links below. This document does not serve as a guide for participant Balancing Market submissions; for general queries, participants should consult the I-SEM Technical Specification.

The clock change for 2020 will occur on the 29th March 2020 at 1am, where an hour will be missing. This means that at 01:00, the hour will be incremented by one and will therefore be referred to as 02:00.

2.1 Physical Notifications

This section describes how to create Physical Notifications (PN) using the LCF 'short day' tool.

- PN period segments are to be populated by the participant. **Note:** The participant will need to seed the initial PN starting MW value to ensure that a continuous curve is maintained.
- From 23:00 (Local Time) 28 March – 00:30 (Local Time) 29 March period segments are to be submitted as normal as seen in the below example:

Start Time	End Time	Start MW	End MW
28/03/2020 23:00	28/03/2020 23:30	0	0
28/03/2020 23:30	29/03/2020 00:00	0	0
29/03/2020 00:00	29/03/2020 00:30	0	0
29/03/2020 00:30	29/03/2020 02:00	0	0
29/03/2020 02:00	29/03/2020 02:30	0	0

- In the hour immediately following Imbalance Settlement Period, the clock change occurs and an adjustment from 01:00 to 02:00 will occur.

- At 01:00 (Local time) on 29 March, the time will be incremented to 02:00 (Local Time) on 29 March. As a result, period segments are to be submitted without the hour of 01:00 to 02:00. In order to maintain a continuous curve, a PN segment that would on normal days be submitted as 00:30-01:00 should be submitted as 00:30 (Local Time) on 29 March to 02:00 (Local Time) on 29 March.

Resource Name	GU_123456	<<<<	<<<<	<<<<
	Start Time	End Time	Start MW	End MW
	28/03/2020 23:00	28/03/2020 23:30	0	0
	28/03/2020 23:30	29/03/2020 00:00	0	0
	29/03/2020 00:00	29/03/2020 00:30	0	0
	29/03/2020 00:30	29/03/2020 02:00	0	0
	29/03/2020 02:00	29/03/2020 02:30	0	0
	29/03/2020 02:30	29/03/2020 03:00	0	0
	29/03/2020 03:00	29/03/2020 03:30	0	0
	29/03/2020 03:30	29/03/2020 04:00	0	0

- PN segments for the 29 March from 02:00 onwards Local Time are to be submitted as for normal days, as seen in below screenshot.

Start Time	End Time	Start MW	End MW
29/03/2020 00:30	29/03/2020 02:00	0	0
29/03/2020 02:00	29/03/2020 02:30	0	0
29/03/2020 02:30	29/03/2020 03:00	0	0
29/03/2020 03:00	29/03/2020 03:30	0	0
29/03/2020 03:30	29/03/2020 04:00	0	0
29/03/2020 04:00	29/03/2020 04:30	0	0
29/03/2020 04:30	29/03/2020 05:00	0	0
29/03/2020 05:00	29/03/2020 05:30	0	0
29/03/2020 05:30	29/03/2020 06:00	0	0
29/03/2020 06:00	29/03/2020 06:30	0	0
29/03/2020 06:30	29/03/2020 07:00	0	0
29/03/2020 07:00	29/03/2020 07:30	0	0
29/03/2020 07:30	29/03/2020 08:00	0	0
29/03/2020 08:00	29/03/2020 08:30	0	0
29/03/2020 08:30	29/03/2020 09:00	0	0
29/03/2020 09:00	29/03/2020 09:30	0	0
29/03/2020 09:30	29/03/2020 10:00	0	0
29/03/2020 10:00	29/03/2020 10:30	0	0
29/03/2020 10:30	29/03/2020 11:00	0	0
29/03/2020 11:00	29/03/2020 11:30	0	0
29/03/2020 11:30	29/03/2020 12:00	0	0
29/03/2020 12:00	29/03/2020 12:30	0	0
29/03/2020 12:30	29/03/2020 13:00	0	0
29/03/2020 13:00	29/03/2020 13:30	0	0
29/03/2020 13:30	29/03/2020 14:00	0	0
29/03/2020 14:00	29/03/2020 14:30	0	0
29/03/2020 14:30	29/03/2020 15:00	0	0
29/03/2020 15:00	29/03/2020 15:30	0	0
29/03/2020 15:30	29/03/2020 16:00	0	0
29/03/2020 16:00	29/03/2020 16:30	0	0

Additional Notes:

- No PN submission can span the clock change boundary time at 01:00 IST (incremented to 02:00 IST).

Resource Name	GU_123456	<<<<	<<<<	<<<<
	Start Time	End Time	Start MW	End MW
	28/03/2020 23:00	28/03/2020 23:30	0	0
	28/03/2020 23:30	29/03/2020 00:00	0	0
	29/03/2020 00:00	29/03/2020 00:30	0	0
	29/03/2020 00:30	29/03/2020 02:00	0	0
	29/03/2020 02:00	29/03/2020 02:30	0	0
	29/03/2020 02:30	29/03/2020 03:00	0	0
	29/03/2020 03:00	29/03/2020 03:30	0	0
	29/03/2020 03:30	29/03/2020 04:00	0	0
	29/03/2020 04:00	29/03/2020 04:30	0	0
	29/03/2020 04:30	29/03/2020 05:00	0	0
	29/03/2020 05:00	29/03/2020 05:30	0	0

2.2 Forecast Availability:

This section describes how to create forecast availability using the LCF 'short day' tool:

For the Short Day, cells are automatically populated with 00:30 (Local Time) 29 March – 02:00 (Local Time) 29 March to take account of the missing hour

	Resource Name	GU_123456	<<<<	<<<<	<<<<
Start Time	End Time	Fuel Flag (P or S)	Min Output	Min Stable Generation	Max Availability
28/03/2020 23:00	28/03/2020 23:30	P	0	0	100
28/03/2020 23:30	29/03/2020 00:00	P	0	0	100
29/03/2020 00:00	29/03/2020 00:30	P	0	0	100
29/03/2020 00:30	29/03/2020 02:00	P	0	0	100
29/03/2020 02:00	29/03/2020 02:30	P	0	0	100
29/03/2020 02:30	29/03/2020 03:00	P	0	0	100
29/03/2020 03:00	29/03/2020 03:30	P	0	0	100
29/03/2020 03:30	29/03/2020 04:00	P	0	0	100
29/03/2020 04:00	29/03/2020 04:30	P	0	0	100
29/03/2020 04:30	29/03/2020 05:00	P	0	0	100

2.3 Simple Offer Data

This section describes how to use the tool to create the LCF 'short day' tool for Simple Offer Data.

- The "Long Day hour submission" flag must be equal to **"No"**
- Additionally, If start time is 02:00 GMT "Long Day hour submission" flag must be equal to **"No"**

Additional Notes:

- No segment can cross the clock change boundary 01:00 IST (Irish Summer Time). As per the PNs and Forecast Availability Simple COD must be entered as 00:30 (Local Time) 29 March – 02:00 (Local Time) 29 March if covering the period during which the time change occurs.

1		
Resource Name	GU_123456	
Resource Type	GEN-STD	<<<<
Start Time	29/03/2020 00:30	<<<<
End Time	29/03/2020 23:00	<<<<
Long Day Hour Submission?	No	<<<<

Incremental Curve	Price (#/MWh)	Quantity (MW)
1	1	10
2	2	20
3	3	30
4		

3 Useful Links

Document	URL
LCF 'Short Day' Tool	https://www.sem-o.com/documents/general-publications/LCF-Short-Day-Tool.zip
LCF Process Document	https://www.sem-o.com/documents/general-publications/LCF-Offer-Data-Procedure-Participant-Guide-Version-1.4.pdf
I-SEM Technical Specification Release 9.3	https://www.sem-o.com/documents/general-publications/I-SEM-Technical-Specification-(ITS)-Release-9.3.zip