



## Single Electricity Market

**SEM RELEASE “L” – AUGUST 2023  
APPROVED RELEASE SCOPE – HIGH LEVEL IMPACT  
ASSESSMENT**

---

### COPYRIGHT NOTICE

All rights reserved. This entire publication is subject to the laws of copyright. This publication may not be reproduced or transmitted in any form or by any means, electronic or manual, including photocopying without the prior written permission of EirGrid plc and SONI Limited.

### DOCUMENT DISCLAIMER

Every care and precaution is taken to ensure the accuracy of the information provided herein but such information is provided without warranties express, implied or otherwise howsoever arising and EirGrid plc and SONI Limited to the fullest extent permitted by law shall not be liable for any inaccuracies, errors, omissions or misleading information contained herein.

# Table of Contents

1	Introduction .....	4
2	Functional Scope Approved for SEM Release L.....	5
3	Technical Scope for SEM Release L.....	7

---

**Document History**

Version	Date	Author	Comment
1.0	20/04/2023	SEMO	Initial Scope

## 1 INTRODUCTION

This document is intended to provide an overview of those approved changes for implementation in the Release L release to the Central Market Systems (CMS).

SEM Release L is currently scheduled for deployment in August 2023. The deployment of Release K and Release L will be combined, subject to successful completion of testing.

Updates on Release L progress will be provided via the Market Operator User Group (MOUG) meetings.

## 2 FUNCTIONAL SCOPE APPROVED FOR SEM RELEASE L

This section provides at a summary level, details of those Central Market Systems' change requirements which will be implemented in SEM Release L.

For each of the changes, SEMO has provided an assessment of the complexity for delivery of each change, based on the common understanding that existed between the systems vendor and SEMO at the end of the release design phase.

Change Request Reference	Summary	Business Case for Change	Interfacing Impact?
CR-224b	Participant User updates in the MPI	<p>CR-224 introduced a notification function to the Market Participant Interface (MPI) – where a data record change was submitted by a Participant, a pencil icon now appears against the affected Party / Participant / Resource / Trading Site name notifying the Market Operator that a change requires approval.</p> <p>CR-224b enhances this functionality to allow the Market Operator to identify when there is a change by both a Participant and the Market Operator against the affected Party / Participant / Resource / Trading Site name.</p>	No
CR-288	Treatment of Temporary Emergency Generation	<p>There will be a number of generator units within the SEM Balancing Market, which will be used to provide temporary emergency generation. These units are to be used in the event of a potential generation shortfall. In order for these units to provide this service, some changes are required to be made to the Market Management Systems (MMS).</p> <p>These generator units shall be treated differently to existing generator units within specific elements of the existing market design. This change request sets out the requirements by which these unit types should be treated within the Market Management System, both within the Transmission System Operator (TSO) scheduling application and Imbalance Pricing (RTPIMB).</p> <p>This change is critical for our business operation, failure to deliver these changes would lead to:</p> <ul style="list-style-type: none"> <li>-incorrect market outcomes, impacting both the Net Imbalance Volume (NIV) and Imbalance Price;</li> </ul>	No

Change Request Reference	Summary	Business Case for Change	Interfacing Impact?
		<ul style="list-style-type: none"> <li>-incorrect scheduling outcomes, due to lack of visibility of these units within the Market Systems;</li> <li>-inability to correctly financially settle these units within the Market Systems;</li> <li>-impact on the efficient operation of the Balancing Market.</li> </ul>	
CR-294	Option to treat Pumped Storage as Long Term Unit	<p>In the design of ISEM it was envisaged that the scheduling of Pumped Storage would be dictated by Real Time Commitment rather than Long Term Scheduling given the short notice required for commitment changes for such units. It has transpired based on experience of operating the Balancing Market in real time, that Pumped Storage is better scheduled through Long Term Scheduling, to better manage the energy limited nature of Pumped Storage.</p> <p>This change will bring flexibility to enable the fixing of the commitment status of Pumped Storage units to be set by either Long Term Scheduling or Real Time Commitment subject to the setting of the existing unit level Short Notice flag. This flexibility would bring Pumped Storage in line with all other dispatchable generator units.</p>	No
CR-297	Mod 08_22 Weekly Strike Price	<p>This change relates specifically to the Counterparty Settlement &amp; Billing (CSB) system and the changes which must be implemented to allow the Settlement Team to calculate the strike price variable as a weekly value.</p> <p>Note - There is no change to the Strike Price calculation. Only the frequency will be changed.</p>	No

### 3 TECHNICAL SCOPE FOR SEM RELEASE L

There are no technical change requirements which will be implemented in SEM Release L.