



Single Electricity Market

SEM RELEASE “M” –JULY 2024
APPROVED RELEASE SCOPE – HIGH LEVEL IMPACT
ASSESSMENT

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Document History

Version	Date	Author	Comment
1.0	15/04/2024	SEMO	Initial Approved Scope

1 INTRODUCTION

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

SEM Release M is currently scheduled for July 31st 2024, the precise release date is to be confirmed and subject to successful completion of testing.

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

2 FUNCTIONAL SCOPE APPROVED FOR SEM RELEASE M

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

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-212	MI Value Import Screen Change	<p>Within CSB (Counterpart Settlement and Billing) there are a number of data imports which the Settlements team are required to undertake as part of the settlements processes.</p> <p>Currently when an MI Value import process is run by the operator, the Settlements system returns data for all processes whether they have records against them or not. This leads to operational challenges as it is difficult to quickly interpret what has come through and what's missing. The extraction of detail is time consuming and open to error.</p> <p>To remedy this situation, a new Dashboard summary screen has been requested to enhance the user experience. This summary will display a snapshot of imported data allowing users to quickly identify the number of procedures with records processed against them. Only batches that have records will be displayed.</p>	N
CR-301	Issuing Audio Alarms for failing of MMS applications	<p>MMS (Market Management Systems) consists of several applications. Each application has several alarms which can be issued for information, warnings or errors. This is so operators are instantly notified of a failure if one of the major applications has stopped running or has failed.</p> <p>This change request will add new alarms on some specific events in Market Management System (MMS) failures, so that the operator gets promptly notified.</p>	N

Change Request Reference	Summary	Business Case for Change	Interfacing Impact?
CR-304	Treatment for firm curtailment	<p>This change is being implemented to comply with part of the Clean Energy for all Europeans package (CEP) – which is made up of a suite of eight legislative acts, both regulations and directives, which were adopted by the European Parliament and European Council in 2018 and 2019.</p> <p>Among these acts is the revised Regulation on the internal market for electricity (EU) 2019/943 which seeks to amend aspects of wholesale electricity markets in Europe.</p> <p>Based on these revisions, a decision paper relating to these papers - SEM-22-009 - was published in March 2022. This paper aims to provide for implementation of the prospective element of that SEM Committee decision in relation to compensation for market revenues for non-market-based re-dispatching in relation to curtailment of firm volumes.</p> <p>These proposed modifications relate to how units will be compensated in the Single Electricity Market for non-market based redispatch. The specific update to the decision paper states as follows:</p> <p>“All units will initially receive compensation in the SEM for non-market based redispatch (in relation to both constraints and curtailment), where firm, at the better of their complex bid/offer price or imbalance settlement price up to the level of their Firm Access Quantity as is the case for constraints today (with wind and solar units essentially retaining their ex-ante revenue, as such volumes are settled at a deemed decremental price of zero).</p> <p>This will effectively extend the arrangements in place for constraints in the market to curtailment for all units, with the costs associated with curtailment to be recovered in the same way via the Imperfections Charge. This will provide for non-discrimination between different units that may be subject to different support schemes within the market for the purpose of market compensation.”</p> <p>The decision paper also states that following implementation of these changes, compensation through this approach will occur through the same settlement mechanisms as per constraints in the market today.</p>	N

Change Request Reference	Summary	Business Case for Change	Interfacing Impact?
		<p>This proposed Modification aims to provide for implementation of the element of this decision related to the retention of ex ante market revenues for firm curtailment going forward from the implementation date commencing at the beginning of tariff year 2024/25.</p>	
CR-303a & CR-303b	<p>Greenlink - Registration and MI</p> <p>Greenlink: MA</p>	<p>Greenlink is a subsea and underground electricity interconnector cable linking the Single Electricity Market (SEM) and Great Britain (GB). This 500-megawatt (500MW) high voltage, sub-marine power cable will run for 190km from the South East of Ireland (Co. Wexford) to Pembrokeshire in Wales. The target date for commissioning and market entry is Q2 2024.</p> <p>Greenlink will need to be integrated into the various SEM markets (ex-ante, balancing and capacity) and the SEM-GB cross border energy trading arrangements. Greenlink will also need to be setup in the GB balancing market.</p> <p>As this new Greenlink interconnector links two markets SEM and BETTA (ROI & GB) a complex set of regulatory arrangements, legal agreements, commercial contracts and technical (IT) systems will need to be put in place to ensure the successful integration and ongoing operation of this new cross border capacity.</p> <p>These changes are to facilitate the necessary Market Information and Market Participant Interface changes within the Market Management System (MMS Platform) to enable the registration, reporting, schedule, dispatch and general operation of a new interconnector (Greenlink) within the ROI jurisdiction.</p>	N

3 TECHNICAL SCOPE FOR SEM RELEASE M

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

Change Request Reference	Summary	Change description	Interfacing Impact?