Single Electricity Market

SEM RELEASE "N" – APRIL 2025

APPROVED RELEASE SCOPE – HIGH LEVEL IMPACT ASSESSMENT

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Document History

Version	Date	Author	Comment
1.0	17/07/2024	SEMO	Initial Publication
1.1	19/08/2024	SEMO	Correction of scheduled Go-Live month

1   INTRODUCTION

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

SEM Release N is currently scheduled for April 2025, the precise release date is to be confirmed and subject to successful completion of testing.

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

2   FUNCTIONAL SCOPE APPROVED FOR SEM RELEASE N

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

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-313	Modification to amend the condition for which start up cost payments will be paid by units.	This change request is the result of the modification Mod_05_24 which will amend the conditions for which Start Up Cost (CSU) payments will be paid to units. Currently, units are paid (CSU) if a Bid Offer Acceptance (BOA) derived from a Synchronise Dispatch Instruction (SYNC DI) is settled on complex Commercial Offer Data (COD). Due to how profiling is carried out, this results in units not receiving a CSU payment in certain scenarios, such as when the units Final Physical Notification (FPN) is non-zero and the unit can profile to its FPN with a SYNC DI within a single settlement period. Consequently, this CR is required to change the settlement system to ensure units are paid CSU correctly and in a more consistent manner.	N
SDP_01	Changes to establish an NPDR unit in the Central Market Systems (CMS).	Changes to establish a non-priority dispatch renewable (NPDR) unit in the MMS and enables open energy balancing actions (utilising submitted Physical Notification based on ex-ante position along with commercial and technical offer data) for these units including inclusion within incremental and decremental merit order lists.	Y
SDP_02	Enhancing functionality for the scheduling, dispatch, and settlement of ESPS in the CMS	Enhancing MMS functionality to cater for the scheduling, dispatch, and settlement of Energy Storage Power Station (ESPS) units based on a Follow PN approach. Changes include updates to COD, TOD and PN submissions and updates scheduling and pricing applications to account for the negative MW range of ESPS units (i.e. when batteries are charging).	Y

3   TECHNICAL SCOPE FOR SEM RELEASE N

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

Change Request Reference	Summary	Change description	Interfacing Impact?
CR-319	Third party software upgrades	As part of the solution for the market systems, various software packages are deployed. These require periodic upgrading and this CR is to upgrade some of those software packages.	No