



## Single Electricity Market

**SEM RELEASE “K” – JUNE 2023  
APPROVED RELEASE SCOPE – HIGH LEVEL IMPACT  
ASSESSMENT**

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**Document History**

Version	Date	Author	Comment
1.0	25/01/2023	SEMO	Initial Approved Scope

## 1 INTRODUCTION

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

SEM Release K is currently scheduled for deployment in June 2023, subject to successful completion of testing.

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

## 2 FUNCTIONAL SCOPE APPROVED FOR SEM RELEASE K

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

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-241b	Undo Scenario 3	<p>The I-SEM balancing market has at its core the functionality for calculating Bid Offer Acceptance Quantities. The intent of the design is to allow the creation of profiles needed for each relevant dispatch instruction and to enable these Bid Offer Acceptance Quantities to be calculated.</p> <p>During testing prior to I-SEM go-live, and in incidents which have been raised in production since go-live, a number of more complex cases where the outcomes did not meet expectations were identified. This has resulted in incorrect pricing and settlement outcomes due to bid offer acceptance volumes not being correctly calculated, which have resulted in pricing and settlement disputes.</p> <p>Due to their complexity, these scenarios cannot be accurately calculated based on the generalised design, which has created a need for further detailed definition of how the systems should calculate the intended outcome in these scenarios - which is the purpose of this change.</p>	No
CR-263	Transfer Resource ID to another Participant	<p>There are instances where a Registered Unit is deregistered from one Participant ID and re-registered to another Participant ID. The current process involves a number of manual steps including, but not limited to, de-registering the existing Unit ID assigned to the current Participant ID and generating and registering a new Unit ID. The functionality which will be added to the system through this system change will allow the Market Operations Team to maintain the existing Unit ID when moving a Unit from one Participant ID to another while also streamlining the current manual process.</p>	No

Change Request Reference	Summary	Business Case for Change	Interfacing Impact?
CR-279	SEMOpX DAM 30 Minute MTU - CSB	<p>A change is required due to the new Electricity Regulation outlined in section 8.2 of the Clean Energy Package (CEP).</p> <p>At the moment a Trade Date for the Day Ahead Market (DAM) consists of 24 one-hour Trading Periods. Going forward a Trade Date within the SEMOpX system for the DAM will be amended to consist of 48 30-minute Trading Periods.</p> <p>Currently the Settlement system is configured to receive DAM data of 60 minute intervals. This system change will allow the Settlement System to receive and process DAM data in 30 minute intervals.</p> <p>The effective date of the change is currently unknown but is provisionally expected to be in 2024.</p>	No
CR-282	Automation of CSB Settlement Processing	<p>Within CSB there are a number of manual workarounds which the Settlement team are required to undertake as part of the Pre-Calcs process. These involve replacing blank or small numbers with zeroes and the replacement of values within certain ranges with zeroes.</p> <p>In addition, there are a number of Pre-Calcs which need to be run in CSB prior to each Billcase being run, and a number of reports which need to be published after a Billcase has been completed. These are manual and time consuming processes and a significant overhead for the Settlement team</p> <p>In this change, the Settlements team have requested the automation of these manual workarounds, daily pre-calcs and publication of Settlement reports.</p>	No

**3 TECHNICAL SCOPE FOR SEM RELEASE K**

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

<b>Change Request Reference</b>	<b>Summary</b>	<b>Change description</b>	<b>Interfacing Impact?</b>