

29/11/24

Future Power Markets Update

ISSUE NO.14 | November 2024



Future Power Markets

The Future Power Markets team is focused on how the ambition of up to 80% renewable energy share in electricity (RES-E) will be facilitated through the market.

The team's work spans across a number of core project areas, including:

- Future Arrangements for System Services (FASS)
- Scheduling and Dispatch Programme (SDP)

Additional workstreams include:

- Long Duration Energy Storage (LDES)
- Energy Market Policy (EMP)



Future Arrangements for System Services

The design and implementation of Future Arrangements for System Services (FASS) includes:

- “To deliver a competitive framework for the procurement of System Services, that ensures secure operation of the electricity system with higher levels of non-synchronous generation”, in line with the Single Electricity Market Committee (SEMC) request
- The implementation of a Day Ahead System Service Auction (daily auction/DASSA), Layered Procurement Framework and Fixed Term Contracts
- The creation of a System Services market code and updates to relevant codes and licenses.

➤ DASSA Product Review and Locational Methodology Recommendation Paper was published on 4th October and is available at the following links: [EirGrid](#) and [SONI](#). A SEM Committee Decision paper was published on 22nd October ([SEM-24-074](#)).

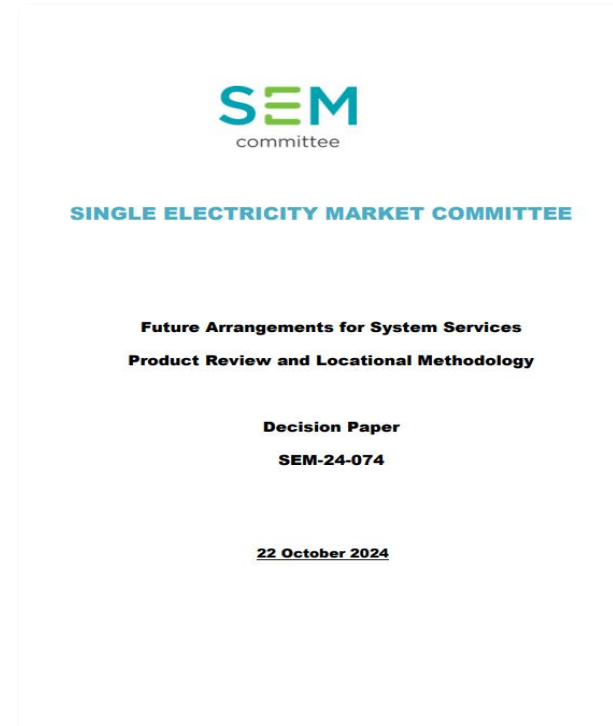
➤ Drafting of the DASSA Volume Forecasting Methodology Recommendation Paper is underway, with the final paper expected to be submitted to the RAs by the end of December. It is anticipated that the paper will be considered at the February SEM Committee.

➤ Drafting of the System Services Supplier Charge Recommendation Paper is underway and on track to be issued to the RAs by the end of November.

➤ An Industry Readiness Survey was issued on the 4th November with a two- week response period to gather early insights into stakeholders’ own programme mobilization and readiness. TSOs to publish a High-Level Readiness Scope (FASS.20) summarizing the scope of the programme’s readiness activities in November 2024.

➤ The third System Services Code Working Group meeting is scheduled for December as a virtual session focusing on elements of DASSA and Secondary Trading where SEM Committee Decisions have been published.

SEM-24-074 and DASSA Product Review and Locational Methodology Recommendation Paper



Scheduling and Dispatch Programme

The Scheduling and Dispatch programme aims to:

- Enhance the scheduling and dispatch systems and processes in Ireland and Northern Ireland
- Bring about compliance with the Clean Energy Package (CEP) and the treatment of variable Non-Priority Dispatch Renewables (NPDR)
- Facilitate low/zero carbon grid technologies such as Batteries, Synchronous Condensers in support of the broader goals of renewables and System Non-Synchronous Penetration (SNSP) penetration targets.

➤ The Scheduling and Dispatch Programme is composed of six initiatives, split into two tranches, with tranche 1 targeting a go live of April 2025:

Tranche 1: SDP-01 Operation of Non-Priority Dispatch Renewables (NPDR)
 SDP-02 Energy Storage Power Station (ESPS) integration
 SDP-04 Wind dispatchability improvements

Tranche 2: SDP-03 Fast Frequency Response (FFR)
 SDP-05 Reserve services scheduling and dispatch
 SDP-06 Synchronous condenser scheduling and dispatch

➤ Industry workshop held November 12th where participants were updated on key Programme Milestones/Mods Progress.

➤ MMS Factory Testing has completed successfully, EMS Battery changes have completed FAT successfully. Factory test of Wind changes in EMS and EDIL Factory Test are in progress.

➤ Target date for Tranche 1 Modifications approval of June 2024 has not been met. RAs, TSOs, and SEMO are working together to complete the modifications process as soon as possible. The Programme remains committed to delivering the Tranche 1 initiatives in April 2025.

➤ The Programme is working with its system vendor partners on the estimation and planning of Tranche 2. The Publication of additional milestones for Tranche 2 in September 2024 has been delayed until November 2024. The Programme is committed to delivering the Tranche 2 initiatives in quarter four of 2025.



Scheduling and Dispatch: Programme Milestones

Phase 2

SOEF Milestone ID	Milestone	Dates
Tranche 1	Requirements Definition Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives	September 2023
Tranche 1	System Design Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives	March 2024
Tranche 1	TSC, CMS & GC Mods Review Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives by the relevant review group (Mods Committee, Grid Code Review Panel, Capacity Market Workshops respectively)	March 2024
Tranche 2	Requirements Definition Complete for Scheduling and Dispatch Programme Tranche 2 Initiatives	July 2024
Tranche 2	Publication of milestones for Scheduling and Dispatch Programme Tranche 2 Initiatives	September 2024

Phase 3

SOEF Milestone ID	Milestone	Dates
Tranche 1	System Build Commenced for Scheduling and Dispatch Programme Tranche 1 Initiatives	March 2024
Tranche 1	Publication of key milestones for testing and go-live, including revised ISEM Technical Specification of Scheduling and Dispatch Programme Tranche 1 Initiatives	June 2024
Tranche 1	Regulatory Authority approval for Trading and Settlement Code (TSC), Capacity Market Code (CMC) & Grid Code Mods (GC) for Scheduling and Dispatch Programme Tranche 1 Initiatives	June 2024
Tranche 1	Publication of Technical Specification for Scheduling and Dispatch Programme Tranche 1 Initiatives	July 2024
Tranche 1	Vendor System Build and Test Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives	Dec 2024
Tranche 1	TSO/MO System Test and Validation Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives	Mar 2025
Tranche 1	Participant Interface Test (PIT) Commences for Scheduling and Dispatch Programme Tranche 1 Initiatives	Mar 2025
Tranche 1	Participant Interface Test (PIT) Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives	Mar 2025
Tranche 1	Cutover activities Commences for Scheduling and Dispatch Programme Tranche 1 Initiatives	Mar 2025
Tranche 1	Confirm Go Live Decision for Scheduling and Dispatch Programme Tranche 1 Initiatives	April 2025
Tranche 1	Implementation and Go Live for Scheduling and Dispatch Programme Tranche 1 Initiatives	April 2025
Tranche 2	Implementation and Go Live for Scheduling and Dispatch Programme Tranche 2 Initiatives	Oct – Dec 2025

Additional Market Developments

Long Duration Energy Storage

- Engaged in discussion with RAs on consultation and procurement timelines.
- LDES modelling work aligned with DECC's call for the immediate procurement of 500MW (4h+) is still under-way – focus now placed on shorter duration storage.

Energy Market Policy

- The Specialized Committee on Energy met recently and discussed the next steps regarding Multi Regional Loose Volume Coupling which is the approach outlined in the Trading and Cooperation Agreement between the EU and UK. Minutes of the meeting are due to be published and are expected to outline a Roadmap of activities in 2025. EirGrid and SONI has completed our own independent analysis on the implications for SEM of MRLVC and other design changes to the GB market. We are engaging with key stakeholders regarding the work.



Contact Information

If you require further information on what has been published in this update, please email:

futurepowermarkets@eirgrid.com or futurepowermarketsNI@soni.ltd.uk

Disclaimer: While reasonable care and precaution has been taken to ensure its accuracy, this report and the information contained herein is provided without warranties or representations of any kind with respect to (without limitation) its quality, accuracy and completeness. All information contained herein is subject to change without notice.

EirGrid (as Transmission System Operator for Ireland), SONI (as Transmission System Operator for Northern Ireland) and SEMO (as the Single Electricity Market Operator for Ireland and Northern Ireland) take no responsibility for any inaccuracies, errors or omissions in this report, and exclude to the fullest extent permitted by law liability for any loss or damage arising from use of this report or reliance on the information contained herein. Any actions taken on foot of this report and the information contained herein are taken at the user's sole risk and discretion, and parties are advised to seek separate and independent opinion in relation to matters covered by this report.

