

25/10/24

Future Power Markets Update

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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.

➤ Ongoing discussions are taking place between the TSOs, RAs and their strategic partner NERA regarding the DASSA Market Design following the SEMC Decision ([SEM-24-066](#)).

➤ DASSA Product Review and Locational Methodology Recommendation Paper was submitted to the RAs at the end of August 2024 with a SEMC Decision expected in October.

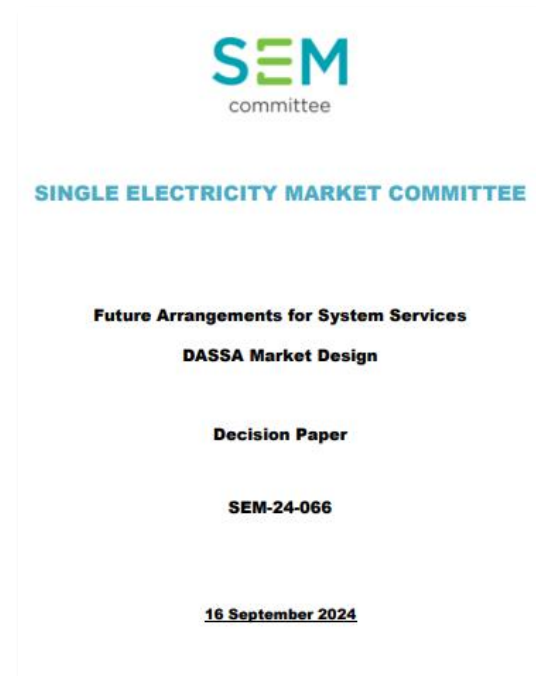
➤ The System Services Supplier Charge Recommendation Paper is expected to be issued the RAs by the end of November.

➤ The Volume Forecasting Methodology Consultation paper was published on 4th October and is available at the following links: [EirGrid](#) & [SONI](#). The consultation period will be open for 6 weeks, until 15th November.

➤ The TSOs published the next iteration of the Phased Implementation Roadmap (PIR) on 11th October and is available at the following links: [EirGrid](#) & [SONI](#). It offers additional clarity on the timing of upcoming TSO Consultations, TSO Recommendations, and SEMC Decisions.

➤ A second industry System Services Code Working Group meeting took place virtually on 2nd October. This session covered information related to Legal and Governance, Registration sections and the revised work plan.

DASSA Design SEM Decision Paper and TSOs’ Recommendation Paper



Scheduling and Dispatch Programme

The Scheduling and Dispatch programme aims to:

- To enhance the scheduling and dispatch systems and processes in Ireland and Northern Ireland
- To 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 on 16th of October where training was delivered on balance market bidding. Participants were also updated on Milestones/Mods Progress and details were provided on the participant sandpit environment that is currently available.

➤ The SDP participant survey was run from the 12th to the 26th of September to assess participant readiness.

➤ Majority of vendor system build for Tranche 1 is now complete. Factory testing for Tranche 1 has commenced.

➤ 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.

➤ Programme is working with its system vendor partners on the estimation and planning of Tranche 2.

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

- A small delay in LDES Consultation Timeline has been communicated to industry
- Delay caused by additional asks falling out of Scheduling and Dispatch Programme - Energy Storage Power Station modification
- The TSOs have recognized that there are resource constraints with already committed and funded programmes and presently this work is not fully funded. The TSOs are continuing to endeavor to progress this work as quickly as possible.
- Consultation to be published in Q4 2024



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

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