23/12/24

Future Power Markets Update

ISSUE NO.15 | December 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:

- Strategic Markets Programme (SMP)

- Future Arrangements for System Services (FASS)

- Scheduling and Dispatch Programme (SDP)

Additional workstreams include:

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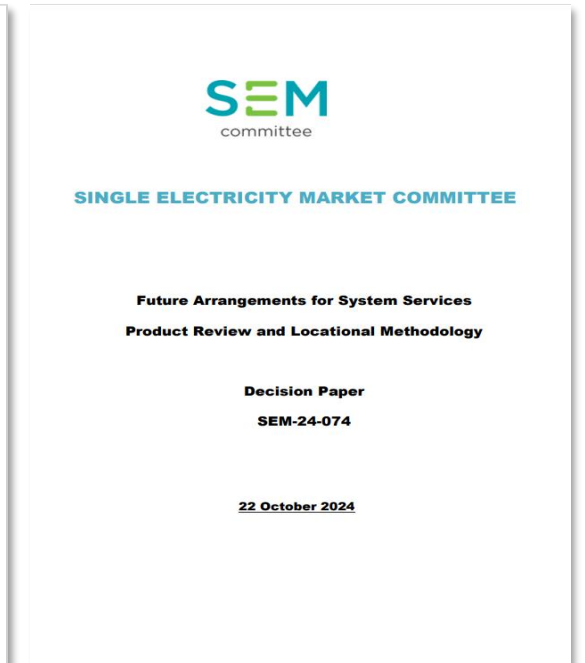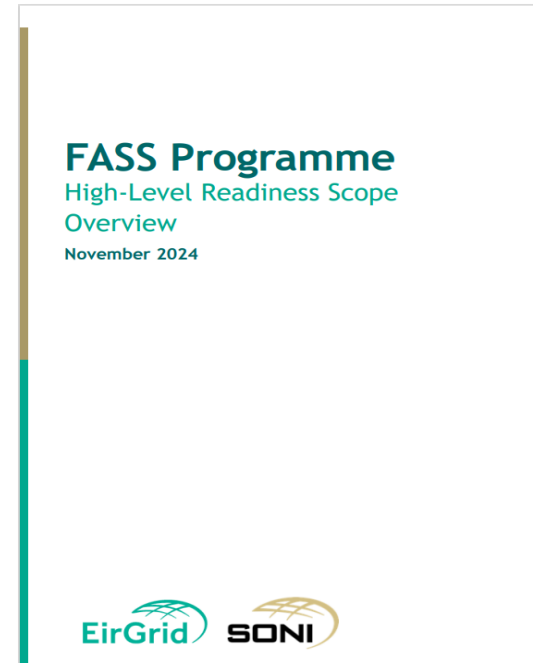
- Energy Market Policy (EMP)

Future Arrangements for System Services

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

- o "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
- o The implementation of a Day Ahead System Service Auction (daily auction/DASSA), Layered Procurement Framework and Fixed Term Contracts
- o The creation of a System Services market code and updates to relevant codes and licenses.

➢ The High-level Readiness Scope Document (FASS.20), informed by the November industry Readiness Survey, was published on the EirGrid website on 29.11.24. Publication on the SONI website will follow shortly.

➢ DASSA Product Review and Locational Methodology Recommendation Paper was published on 04.10.24 and is available at the following links: EirGrid and SONI. A SEM Committee Decision paper was published on 22.10.24 (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 2025 SEM Committee.

➢ System Services Charge Recommendations paper finalised and shared with RAs on the 29.11.24. SEMC Decision expected end of January 2025 per Phased Implementation Roadmap schedule.

➢ Drafting of Consultation on DS3 SS Tariffs to DASSA (Transition Period) and Real Time Security Arrangements (FAM Alternative) underway. Publication of both expected in January 2025.

FASS Programme
High-Level Readiness Scope Overview

November 2024

EirGrid SONI

SEM committee

SINGLE ELECTRICITY MARKET COMMITTEE

Future Arrangements for System Services
Product Review and Locational Methodology

Decision Paper
SEM-24-074

22 October 2024

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.

SDP Programme Updates

➢ There has been some delays in the system vendor testing activities, the programme team are currently working with the system vendors to mitigate these delays as much as possible and are preparing revised plans based on expected outcomes of the testing delays.

➢ Mod_02_24 "Battery Integration" has been approved by SEM-C on 28.11.24. NPDR modifications and SEM-24-044 Definition of Curtailment, Constraint and Energy Balancing were discussed at a SEMC meeting on 19.12.24.

➢ Additional milestones for Tranche 2 delivery presented as part of the FPM industry workshop on 11.12.24. The modification process for the Tranche 2 T&SC modifications is in progress, the system design phase for Tranche 2 has started with the System vendors.

➢ Update provided to Market Participants at industry workshop on planned SDP 2025 communications and engagement channels as well as NPDR training approach (content included on following slides).

➢ Two surveys issued to market participants: (1) SDP Point of Contact Confirmation Survey and (2) SDP Market Participant Readiness Survey. (Survey details and links included on following slides).

Scheduling and Dispatch - Tranche 1 & 2 Phase 2 Milestones

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 (Completed December 2024)
Tranche 2	System Design Complete for Scheduling and Dispatch Programme Tranche 2 Initiatives	Jan - Mar 2025
Tranche 2	TSC, CMS & GC Mods Review Complete for Scheduling and Dispatch Programme Tranche 2 Initiatives by the relevant review group (Mods Committee, Grid Code Review Panel, Capacity Market Workshops respectively)	Jan - Mar 2025

Scheduling and Dispatch - Tranche 1 Phase 3 Milestones

SOEF Milestone ID	Milestone	Dates
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

Scheduling and Dispatch Programme

The below outlines the planned communications and engagement channels with the SDP Programme in advance of SDP Tranche 1 go-live.

Change Summary & FAQ Document

- Publication on the SEMO website of a document outlining the key changes, across unit types, from SDP Tranche 1 initiatives.
- Publication on the SEMO website of an SDP FAQ Document.

SDP Programme Updates

- SDP programme updates issued, via email, to confirmed POC's within market participants with key programme updates.

SDP Open Day

- The SDP Programme will host a standalone session providing information on key activity and timelines in advance of Tranche 1 go-live.

Query Resolution

- Investigation and resolution of market participant queries sent to the SDP mailbox
- Queries can be sent to schedulinganddispatch@eirgrid.com or schedulinganddispatch@soni.ltd.uk

1:1 Meetings

- Scheduled meetings between the SDP team and market participants
- Contact schedulinganddispatch@eirgrid.com or schedulinganddispatch@soni.ltd.uk to request a meeting with the SDP Programme team.

Market Participant Survey

- Surveying of Market Participants to understand support required and readiness for SDP go-live.

Scheduling and Dispatch Programme

The below summarises the high-level approach for providing training to NPDR participants in advance of go-live.

What?

What topics will be included in SDP training for NPDRs in advance of go-live?

1. How NPDRs submit data to the MPI	2. How NPDRs will be dispatched	3. How NPDRs will be profiled and included in pricing	4. How NPDRs will be settled	5. NPDR Reporting
A training module which covers how NPDRs will submit data to the balancing market interface. Key topics include submission of: 1. PNs 2. COD 3. VTOD	A training module which covers the types of instruction which NPDRs will receive.	A training module which outlines how NPDRs will be profiled and included in pricing. Key topics for inclusion are: • QBOA • Imbalance Pricing overview, including Tagging and Flagging • MWOF • Incremental & Decremental Actions	A training module which outlines how NPDRs will be settled.	A training module which outlines where new data and information will appear in reports for NPDR units.

How?

How will this training be provided?

Training Guides	Virtual Webinars	Live Demos	Drop In Clinics	On Demand Videos*
• A range of self-service training material including webinar content, job aids, FAQs, change summary docs, etc.	• Instructor led, virtual classroom-based sessions where the SDP programme team present training content to participants.	Real time walkthroughs of systems/tools to demonstrate functionality and workflows that will be new to NPDRs following go-live.	• Personalised, one on one or small group sessions with a member of the SDP programme team on a particular training topic.	• Recorded webinars and demo sessions made available to participants to view in their own time.

When?

When will we provide this training?

- Training guides, virtual webinars and demo sessions will be held **in advance of Participant Interface Testing**
- Drop-in clinics **available upon request** from SDP Programme
- On demand videos will be available **after the completion of all webinar sessions***

*Provision of on demand videos subject to internal Eirgrid/SONI security and data protection approval.

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6

Scheduling and Dispatch Programme

The below information outlines the approach for confirmation of SDP points of contact within market participant organisations.

- To support further engagement with market participants, the SDP programme aims to identify a point(s) of contact (POC) in each market participant organisation who are responsible for their organisation's readiness activity for SDP Tranche 1 go-live.

- These POCs will receive communications from the SDP programme in 2025 with key updates on SDP Programme activity, e.g. training invites, Participant Interface Test updates, cutover and go-live updates.

- POCs will be asked to pass on key updates from the SDP programme to their own relevant internal stakeholders.

- The SDP Programme will continue to publish updates on the SEMO website.

1
Submit POC Information

- Submit POC details via the link below
  - https://eu.surveymonkey.com/r/CFWMFYM
- Information requested:
  - Organisation
  - POC Name
  - POC Email
  - POC Role

2
SDP Programme POC Confirmation

- The SDP Programme will confirm registration of market participant POCs.

3
SDP Programme Engagement

- The SDP programme will issue SDP specific communications to POCs.

Scheduling and Dispatch Programme

The below information provides an update on the next SDP Market Participant Survey

SDP Market Participant Survey

The next SDP Market Participant Survey will be live from Thursday 12th December to Friday 10th January.

The survey aims to gather feedback from industry participants on two key topics:

1. Your organisation's readiness and preparation for the SDP Tranche 1 Go-Live
2. Your organisation's feedback on how the SDP programme can support you in advance of the Tranche 1 Go – Live, e.g. training, test environment access, communications, etc.

The survey can be accessed via the below link. Survey details will also be issued via Market Message on Thursday 12th December.

SDP Market Participant Survey: https://eu.surveymonkey.com/r/CFT237Y

Additional Market Developments

Long Duration Energy Storage

- Following direction from CRU and in discussion with DECC on procurement and timelines.

- Based on lessons learned from ESB-N's Demand Flexibility Product and LCIS procurement, decision to split LDES procurement in two:
  - 1st consultation: Procurement Models
  - 2nd consultation: Contractual Arrangements

- Q1 2025: EirGrid to publish first consultation paper.

- In parallel to the enduring solution, we are investigating alternative market measures to incentivise LDES.

- We are seeing liquidity in the ECP pipeline to satisfy initial DECC volume.

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