

Future Power Markets

Stakeholder Engagement

Industry Workshop: 19th March 2025

This presentation provides an update on the Future Power Markets Programmes.

Achievable - Valuable - “Simple”



Future Power Markets - Industry Outreach

Why Are We Here?



Inform

We are here to provide information about the ongoing programmes of work in the Future Power Markets space and the impact on the market participant community. We will provide a view of the programmes' drivers, functional details, structure, timelines, and stakeholder engagement.



Discuss

We will discuss the changes and how this impacts you and your portfolio. We will discuss the functional, technical, and formal arrangement changes, stakeholder engagement, and programme management updates. We are happy to field all questions - and we may not be able to answer all of them today.



Listen

We are here to listen. What are your thoughts on the FPM programmes, the functional, technical, and regulatory details and the impacts to your business? What questions do you need answers to? What clarity do you need?



Ask

We will ask for your participation throughout - we are better together.

FPM - Industry Workshop

Setting Expectations



Meeting Rules

1. **Engage:** actively listen and ask questions. This session is for you.
2. **Show Courtesy:** allow everyone the time and space to participate in the discussion. Don't talk over another speaker.
3. **Scope Discipline:** maintain focus on FPM.



FPM: Industry Workshop (19th of March 2025)

Agenda for today's workshop

Time	Topic
14:45 - 14:50	Introduction & Housekeeping
14:50 - 15:10	Future Arrangement Systems Services Programme Status Update
15:10 - 15:30	Strategic Markets Programme Status Update
15:30 - 16:15	Scheduling & Dispatch Programme Status Update

Future Arrangement System Services - Status Update

FASS: Programme Summary Status

- As planned, no issues ↑ Improving
- Minor - moderate concern ↔ Steady
- Significant issue / concern ↓ Worsening



FASS

Summary Status

Overall Status		The Future Arrangements for System Services (FASS) Programme continues at pace; however, programme status red reflecting delays to vendor contracting, and publication of some consultation papers and SEMC decisions. The TSOs are working with the RAs to resolve the delays to key papers.
Schedule		Programme schedule is red reflecting delays to schedule. Any changes to be communicated at later date or as part of PIR V3.0, noting that publication of the PIR is dependent on RA agreement and is now expected in April.
Resourcing		Programme resourcing remains green, however resourcing challenges are emerging due to the delays in publication of some consultation papers which is requiring the TSOs to reallocate resourcing to meet changing priorities and schedule.
Finances		Formal funding approval letter received from the RAs December 2024.

Workstream Updates

Detailed Market Design	Delays to core DASSA design components; Overlapping consultation periods potentially required to avoid further impact to programme critical path. Schedule to be reviewed as part of PIR. 3.0.
Detailed Operations Design	Non-reserve services' product design, locational methodology and volume forecasting ongoing. RA engagement in progress.
IT Systems Design	A path forward has agreed by the TSOs' executive teams on vendor contracting and we are now in a position to progress this workstream.
Regulation & Licencing	RA/TSO engagement on licencing has recommenced, however TSO licence modification timelines still at risk. Grid Code review for reserve services in progress.
SS Code Development	SS Code Working Group Session held 12 th March to review initial drafting of Agreed Procedures. Dependency on timely SEMC decisions to maintain momentum.

Status of Business Design Papers



As part of the FASS Programme there are a number of consultations and publications in progress. Phased Implementation Roadmap (PIR) V2.0 was published on the 11th of October following agreement with the RAs.

Open Design Activities	Status	Update
DS3 SS Tariffs to FASS (Transition Period)	Consultation Paper Published	Industry webinar held on the DS3 SS Tariffs to FASS “The Gap” Consultation, 13/03. Webinar slides with Q&A from the session are published on the TSOs’ websites (EirGrid , SONI). Consultation will close at 5pm, 25/03.
Volume Forecasting Methodology (Reserves)	SEMC Decision Pending	TSOs submitted DASSA Volume Forecasting Methodology Recommendations Paper to the RAs on 30/01, SEMC Decision provisionally approved, pending final review. Small delay against schedule.
Residual Availability Determination (FAM Alternative)	Draft Consultation Paper with RAs	Draft consultation paper on the DASSA RAD mechanism (‘Residual Availability Determination’, i.e. the FAM Alternative), shared with RAs 29/01. RA comments received 03/03, RAs considering TSOs’ response.
Parameters & Scalars	Work in progress (TSOs)	Consultation paper drafting underway, with RAs engaged on initial proposals. TSOs reviewing target publication date under PIR V3.0.
Non - Reserve Services	Work in progress (TSOs)	Early design activities underway. RA/TSO engagement on design considerations in progress, however RAs agreement on Analysis of options for Non-Reserve Procurement (FASS.23) is delayed against baseline PIR.
Closed Design Activities	Status	Update
System Services Charge	Closed. SEMC Decision published	SEM-25-007 All-Island System Services Supplier Charge Decision Paper was published along with the TSOs’ All-Island System Services Supplier Charge Recommendations Paper on the 13 th of March.

FASS Programme Delays & Mitigations

FASS Programme Delays & Mitigations



The FASS Programme has an overall red status, as a result of delays in the following areas:

Delay	Description and impact	Mitigation
Vendor contracting	Delays in vendor contracting have resulted in delay to DASSA vendor onboarding. A path forward has agreed by the TSOs' executive teams, and we are now in a position to re-engage on vendor contracting activities.	TSOs have progressed IT design activities and documentation where possible.
Publication of SEMC Decisions	Delays to the publication of SEMC Decisions on the FASS Charge and Volume Forecasting Methodology have resulted in delays to the System Services Code workstream against schedule.	TSOs and RAs engaging closely on additional measures to increase collaboration and information sharing.
Publication of TSOs' Consultations	Timelines for RA approvals/ feedback on TSOs' drafting and consequent TSO capacity constraints due to multiple ongoing workstreams have resulted in delays to the publication of TSO consultations. Delays to design consultations impacting the DASSA ('Residual Availability Determination' and Parameters & Scalars) are now impacting programme critical path.	In addition to increased RA/TSO collaboration, overlapping consultation periods potentially required to avoid impact to programme critical path. Schedule to be reviewed as part of PIR V3.0.

Next Steps

- RA/TSO review of programme schedule and timelines, as input into PIR V3.0.
- TSOs to communicate any changes to Industry at later date or as part of PIR V3.0, noting that publication of the PIR is dependent on RA agreement and is now expected in April.

DS3 Regulated Arrangements Gates

DS3 Regulated Arrangements Gates

On the 13th March, the TSOs hosted a webinar on the DS3 SS Tariffs to FASS “The Gap” Consultation. A question was raised by Industry members regarding whether

the procurement of all services (including non-reserves) would continue in the event of an extension to the DS3 System Services Regulated Arrangements:

- The TSOs’ proposal for the Gap is to extend the DS3 Regulated Arrangements for all services.
- The TSOs carried out a System Services Gate Closure Risk Assessment regarding the ongoing procurement of fast-acting reserve services (FFR-TOR2), at the request of the SEMC.
- The SEM Committee wrote to the TSOs on 6th March 2025 stating that it has decided to leave the DS3 Procurement Gates open.
- The SEM Committee also stated that the tariff review process should continue to be used as a method to send market signals and to adjust spend on these services, as necessary.
- The future schedule of procurement gates for the Gap is dependent on the SEMC decision, should the SEMC elect to further extend the arrangements.

Thank You

Questions can be submitted to

FASS@Eirgrid.com or
FASSProgramme@soni.ltd.uk

Next Steps:

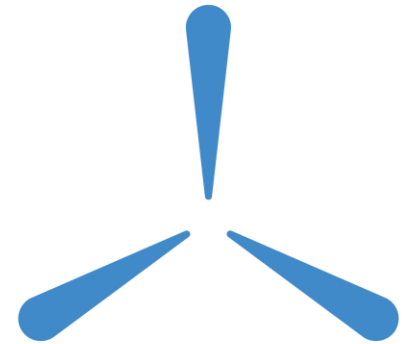
- The TSOs will publish the Volume Forecasting Methodology Recommendation Paper once the SEMC decision has been released.
- The TSOs will publish the ‘DASSA Top-Up Mechanism’ (RAD) Consultation Paper following RA approval.
- The TSOs will schedule the next System Services Code Working Group, following review of the FASS Charge Decision Paper.
- Publication of PIR3.0 is now expected in April 2025.



Phased Implementation Roadmap Milestones






Milestone #	Milestone Description	Milestone Dependencies	Milestone Owner	Milestone Target Date	Status
FASS.12	SEMC Decision on FASS Daily Auction/Procurement Design	FASS.11	SEMC	July 2024	Complete
FASS.13	Publish Annual Layered Procurement Assessment Recommendations Paper 2024	-	TSOs	July 2024	Complete
FASS.14	Publish FASS Daily Auction Product Review and Locational Methodology Recommendation Paper	FASS.09	TSOs	August 2024	Complete
FASS.15	Commence Grid Code Review	FASS.14	TSOs	September 2024	Complete
FASS.16	Publish Phased Implementation Roadmap 2	FASS.04	TSOs	September 2024	Complete
FASS.17	SEMC Decision on FASS Daily Auction Product Review and Locational Methodology	FASS.14	SEMC	September 2024	Complete
FASS.18	SEMC Decision on Annual Layered Procurement Assessment 2024 (As required)	FASS.13	SEMC	September 2024	Descoped
FASS.19	Publish System Services Charge Recommendations Paper	-	TSOs	November 2024	Complete
FASS.20	Publish High Level Readiness Approach	FASS.12	TSOs	November 2024	Complete
FASS.21	Publish Volume Forecasting Methodology Recommendation Paper including Volumes Requirements Reporting	FASS.17	TSOs	December 2024	Complete
FASS.22	Draft Plain English Version of SS Code	FASS.07 FASS.12 FASS.17	TSOs	January 2025	Complete
FASS.23	Commence Analysis of options for Non-Reserve Procurement, including LPF	-	TSOs	October 2024	Complete
FASS.24	Mobilise Real Time Security Arrangements workstream (FAM Alternatives)	FASS.12	RAs & TSOs	October 2024	Complete
FASS.25	Share suggested approach to TSO licence modifications	-	TSOs	November 2024	Complete
FASS.26	RAs agreement on Analysis of options for Non-Reserve Procurement, including LPF	FASS.23	RAs	January 2025	Delayed
FASS.27	SEMC Decision on System Services Charge	FASS.19	SEMC	January 2025	Complete
FASS.28	Publish Parameters and Scalars Consultation Paper	FASS.12 FASS.17	TSOs	February 2025	Delayed
FASS.29	SEMC Decision on DS3 SS Tariffs to DASSA	FASS.12	SEMC	January 2025	Delayed
FASS.30	SEMC Decision on Volume Forecasting Methodology including Volumes Requirements Reporting	FASS.21	SEMC	February 2025	Delayed
FASS.31	Publish Phased Implementation Roadmap V3.0	-	TSOs	March 2025	At Risk
FASS.32	Commence DASSA System Implementation**	-	TSOs	March 2025	Delayed
FASS.33	Issue Real Time Security Arrangements workstream (FAM Alternatives) Recommendation Paper	FASS.24	TSOs	March 2025	Delayed

Strategic Markets Programme: Status Update



Strategic Markets Programme - Status

■ As planned, no issues ↑ Improving
■ Minor - moderate concern ⇒ Steady
■ Significant issue / concern ↓ Worsening

 SMP		Summary Status
Overall Status		Overall programme status remains as Amber. Focus on detailed requirements gathering underway to support vendor engagement, regulation and legal planning finalising, end-to-end process mapping, organisational impact assessment underway, and continued external regulatory and legal engagement with TCM workshops and JAO.
Schedule		Programme schedule is reporting green against the revised programme plan. The Programme team will be presenting this high level plan in future updates.
Resourcing		Programme resourcing remains amber but is improving, with key resources being recruited and onboarded to enable delivery within the programme timelines
Finances		Significant portion of programme funding has been approved by Regulatory Authorities, allowing programme to progress.

Key Messages



Key Items for Attention / Discussion

- Engagement ongoing with European regulatory and markets bodies
- Remaining detailed requirements due to be closed out within the month in preparation for vendor engagement



Key Activities For Action Next Month

- Ongoing vendor engagement to progress and confirm system delivery timelines
- Organisational impact assessment underway
- Finalise end-to-end process mapping



Thank You

Questions can be submitted to

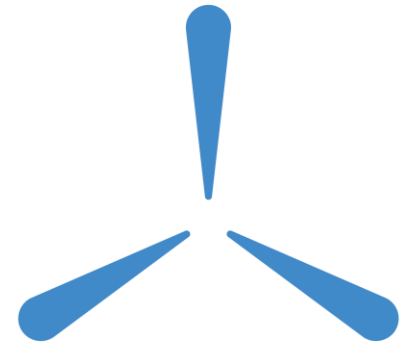
SMP.PMO@Eirgrid.com

Next Steps:

- Deep Dive sessions









Scheduling and Dispatch Programme

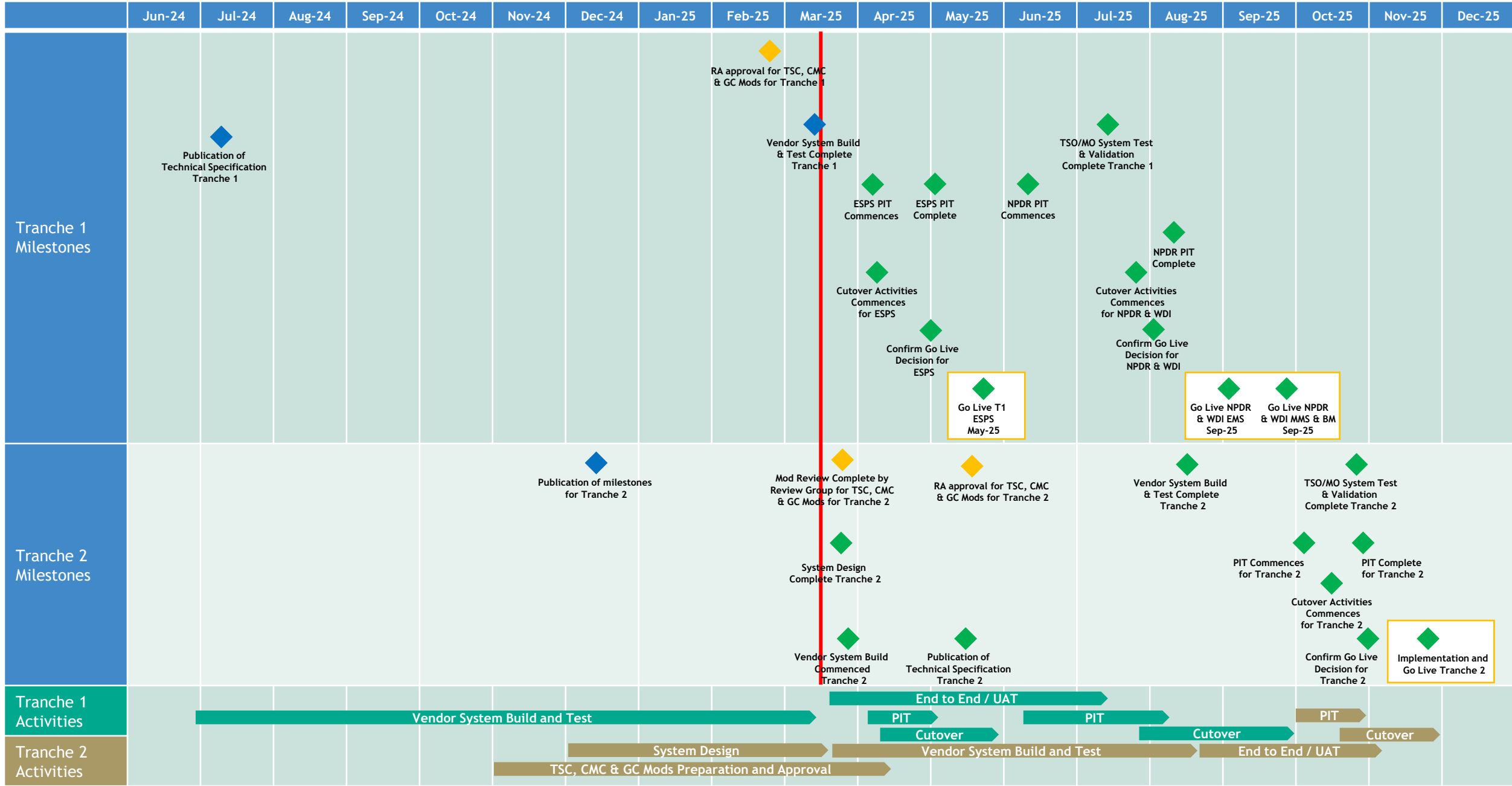


Scheduling and Dispatch - Programme Summary Status

■ As planned, no issues ↑ Improving
■ Minor - moderate concern ↔ Steady
■ Significant issue / concern ↓ Worsening

SDP 		Summary Status
Overall Status		<p>On site System Test of Tranche 1 is in progress. RAs and SEMC assessment of Mod_13_23 Treatment of NPDRs is continuing. Cutover planning for SDP-02 Energy Storage Power Stations is in progress. Version 3 of the TS&C modification Mod_01_25 related to SDP-06 Synchronous Condensers was presented to the Mod Committee at Committee meeting 127b.</p>
Schedule Tranche 1		<p>Vendor System Build and Test Complete is complete for Tranche 1. On site System Test is in progress.</p> <p>RAs and SEMC are assessing Mod_13_23 Treatment of NPDRs and SEM-24-044 Definition of Curtailment, Constraint and Energy Balancing related to SEM-13-011.</p> <p>Work on the units that will be designated as Non Priority Dispatch Renewables is progressing and the programme will present details of this once the SEM-C decision on Mod_13_23 has been issued.</p> <p>Cutover planning for SDP-02 Energy Storage Power Stations is in progress. Participants with Energy Storage Power Stations will be contacted shortly regarding Participant Interface Test and cutover activities.</p>
Schedule Tranche 2		<p>An updated version 3 of the TS&C modification Mod_01_25 related to SDP-06 Synchronous Condensers was presented to the Mod Committee at Committee meeting 127b. A decision was taken by the committee to postpone a vote on the modification to a later date.</p> <p>System design for Tranche 2 is continuing with the programmes system vendors.</p>
Resourcing		TSO/MO programme teams are fully staffed
Finances		SEMC All-Island Programme sub-committee approved the full funding request for the S&D (phases 3-5) programme on 22nd March 2024.
Participant Readiness		<p>Participants with Energy Storage Power Stations will be contacted shortly regarding Participant Interface Test and cutover activities.</p> <p>Currently 5 Participant query cases open and the average duration to resolve a case is 8 days.</p> <p>Updated Release N ISEM Technical Specification (ITS) to be published. Updated ITS contains minor clarifications /amendments based on industry feedback, as highlighted at the February Future Power Markets Industry Workshop.</p>

Scheduling and Dispatch: Milestone Plan



Scheduling and Dispatch - Tranche 1 & 2 Phase 2 Milestones

Tranche	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

Tranche	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	Feb 2025
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	Mar 2025
Tranche 1	ESPS Participant Interface Test (PIT) Commences (<i>Revised Milestone as part of re-baseline</i>)	Apr 2025
Tranche 1	ESPS Participant Interface Test (PIT) Complete (<i>Revised Milestone as part of re-baseline</i>)	Apr 2025
Tranche 1	ESPS Cutover activities Commences (<i>Revised Milestone as part of re-baseline</i>)	Apr 2025
Tranche 1	ESPS Confirm Go Live Decision (<i>Revised Milestone as part of re-baseline</i>)	Apr 2025
Tranche 1	ESPS Go Live (<i>Revised Milestone as part of re-baseline</i>)	May 2025
Tranche 1	NPDR Participant Interface Test (PIT) Commences (<i>Additional Milestone as part of re-baseline</i>)	June 2025
Tranche 1	TSO/MO System Test and Validation Complete for Scheduling and Dispatch Programme Tranche 1 Initiatives	July 2025
Tranche 1	NPDR Participant Interface Test (PIT) Complete (<i>Additional Milestone as part of re-baseline</i>)	Aug 2025
Tranche 1	NPDR and WDI Cutover activities Commences (<i>Additional Milestone as part of re-baseline</i>)	Aug 2025
Tranche 1	NPDR and WDI Confirm Go Live Decision (<i>Additional Milestone as part of re-baseline</i>)	Sep 2025
Tranche 1	NPDR and WDI Go Live (<i>Additional Milestone as part of re-baseline</i>)	Sep 2025

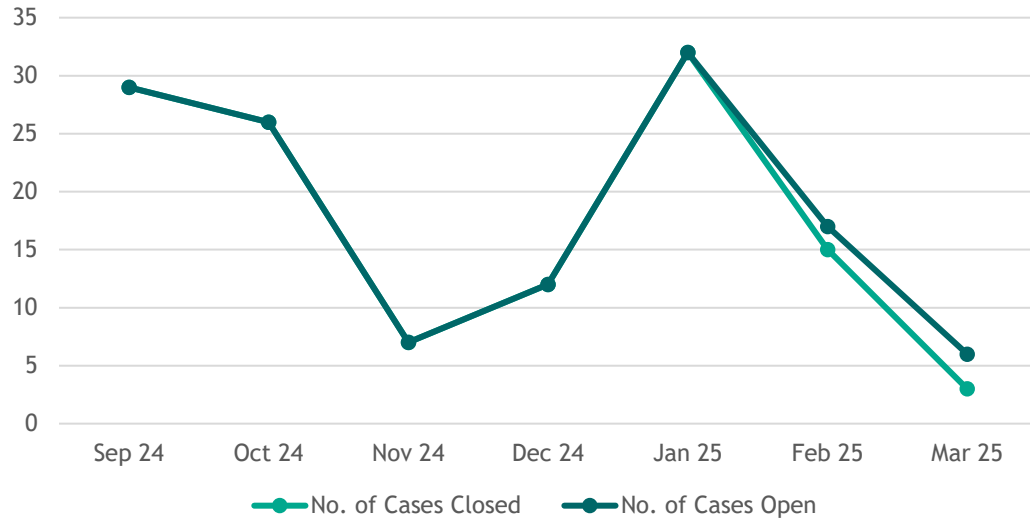
Scheduling and Dispatch - Tranche 2 Phase 3 Milestones

Tranche	Milestone	Dates
Tranche 2	System Build Commenced for Scheduling and Dispatch Programme Tranche 2 Initiatives	Jan - Mar 2025
Tranche 2	Regulatory Authority approval for Trading and Settlement Code (TSC), Capacity Market Code (CMC) & Grid Code Mods (GC) for Scheduling and Dispatch Programme Tranche 2 Initiatives	Apr - June 2025
Tranche 2	Publication of Technical Specification for Scheduling and Dispatch Programme Tranche 2 Initiatives	Apr - June 2025
Tranche 2	Vendor System Build and Test Complete for Scheduling and Dispatch Programme Tranche 2 Initiatives	Jul - Sep 2025
Tranche 2	TSO/MO System Test and Validation Complete for Scheduling and Dispatch Programme Tranche 2 Initiatives	Oct - Dec 2025
Tranche 2	Participant Interface Test (PIT) Commences for Scheduling and Dispatch Programme Tranche 2 Initiatives	Oct - Dec 2025
Tranche 2	Participant Interface Test (PIT) Complete for Scheduling and Dispatch Programme Tranche 2 Initiatives	Oct - Dec 2025
Tranche 2	Cutover activities Commences for Scheduling and Dispatch Programme Tranche 2 Initiatives	Oct - Dec 2025
Tranche 2	Confirm Go Live Decision for Scheduling and Dispatch Programme Tranche 2 Initiatives	Oct - Dec 2025

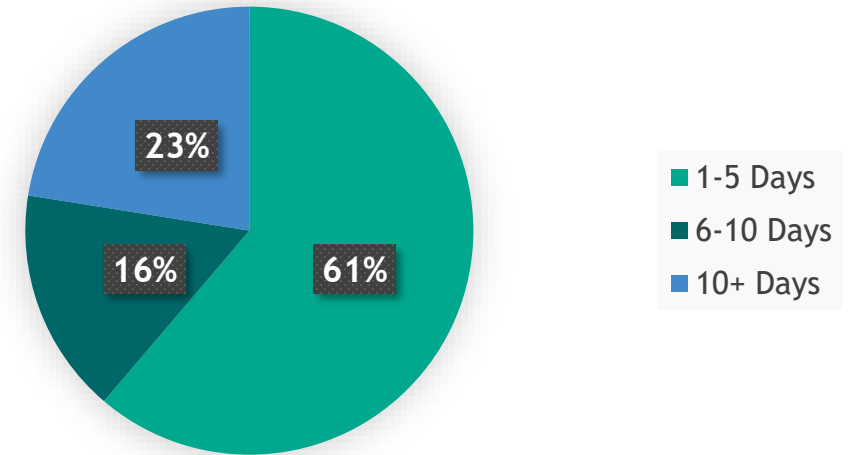
SDP - Query Management Overview

The below is an overview of key metrics associated with the queries received by the Scheduling & Dispatch Programme between September 2024 and March 2025.

SDP Case Query Volume



Working Days to Close out Cases



Most Common Query Topics (Sep - Mar)

1. NPDR / ESPS Technical Queries
2. NPDR Unit Confirmation
3. MPI Data Submission Queries
4. Support Material Requests
5. Test Environment Access Requests

Current Query Case Volumes

5 Cases Currently Open
8 days Average Duration Open

Stakeholder Engagement: FPM Industry Workshop

Contacting FPM Programmes

To raise an issue or query for the Future Markets Programmes:

Contact



SDP Queries

SchedulingandDispatch@Eirgrid.com
SchedulingandDispatch@soni.ltd.uk

LDES Queries

LDES@Eirgrid.com
LDESProgramme@soni.ltd.uk

FASS Queries

FASS@Eirgrid.com
FASSProgramme@soni.ltd.uk

SMP Queries

SMP.PMO@Eirgrid.com

FPM Policy

FuturePowerMarkets@Eirgrid.com
futurepowermarketsNI@soni.ltd.uk

Information to Provide

- Your Name
- Your email & phone number
- Your organisation
- Topic of Issue/Query & Programme Name
- Description of the issue or query
- Any additional information to aid in understanding the issue or query
- *(No requirement to email the same query to both EirGrid and SONI email addresses for a relevant programme)*

Future Power Markets: Future Workshop Schedule

  **Future Discussion Topics**

SDP

- Additional Tranche 2 Details
- Non-Priority Dispatch Renewables Designation
- Participant Interface Test
- NPDR Training

FASS

- Real Time Security Arrangements (FAM Alternative) consultation - workshop on paper

SMP

- Overview of the plan
- Overview of impacts of EU Reintegration on SEM Market Participants

EMP

- CACM 2.0
- FCA 2.0
- CRM27 + (guided by SEMC)

Indicative Date	Location
April 16 th	Remote