

Future Markets Technical Liaison Group Meeting #2



30th July 2026



MS Teams



14:00 - c.15:15



Future Markets TLG Meeting



Thursday, 30th July 2026

Online (MS Teams)

Time	Duration	Segment	Presenters
14:00 - 14:05	5 mins	Welcome - Overview of Agenda	Rosaleen Fanning
14:05 - 14:10	5 mins	TLG Scope Recap	Rosaleen Fanning
14:10 - 14:25	15 mins	FASS Platform Technical Artefacts Roadmap Update	Joe Deegan
14:25 - 14:50	25 mins	FASS Platform - New Information on Service Provider Interaction with FASS Platform	Gary O'Doherty Michael Carrington
14:50 - 15:00	10 mins	Q&A	Rosaleen Fanning
15:00 - 15:05	5 mins	Wrap Up - Workshop Close	Rosaleen Fanning

We will take questions via **Slido**. Scan the QR code below:



Or visit **Slido.com** and enter the Code:
FMTLG

Future Markets Technical Liaison Group (TLG)

Meeting Guidelines

1. Engage Fully:

- This session is for you!

2. Submit Questions via Slido

- Scan the QR code or visit slido.com and enter the code **FMTLG** to submit your questions.

3. Stay on Topic:

- Please keep questions focused on each segment as it is being covered.
- Any unrelated questions or comments can be followed up via email.

4. Be Time-Aware:

- Questions submitted via Slido are very welcome but may be time-limited to ensure we stay on schedule.

slido

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& enter code:
FMTLG

Future Markets Technical Liaison Group

Scope Recap

Rosaleen Fanning



Future Markets Technical Liaison Group - TLG Scope Overview

This slide provides information on the scope of the Future Markets Technical Liaison Group

The TLG is the principal forum for technical engagement between the Future Markets programme team and industry on the technical aspects of implementing Future Market Programmes.

Key Principles

Communicate

To share relevant technical information to support timely implementation

Engage

To provide a mechanism for participants to offer input and feedback on technical matters.

Coordinate

To facilitate effective coordination of industry-wide technical readiness & connectivity activities

In Scope

✓ Technical Specifications

✓ Data Publication Guides

✓ IT Connectivity verification

✓ Sandbox Testing

Out of Scope

x Programme Delivery Updates

x Business Design

x Consultations

x Qualification Process

x Performance Monitoring

Important Notes

TLG Focus

The TLG is currently focused on the FASS Programme. Other Future Markets Programmes will be included when technically relevant activity commences.

Not a Design Authority

The TLG facilitates exchange of information and feedback on technical design. It does not make policy or market design decisions.

Build at your own risk

Technical artefacts are released early to support planning. Content may evolve as vendor design progresses. Participants should factor this into their implementation timelines. **Stakeholders undertake their build at their own discretion and risk.**

Technical Liaison Group

FASS Platform Technical Artefacts Roadmap

Joe Deegan



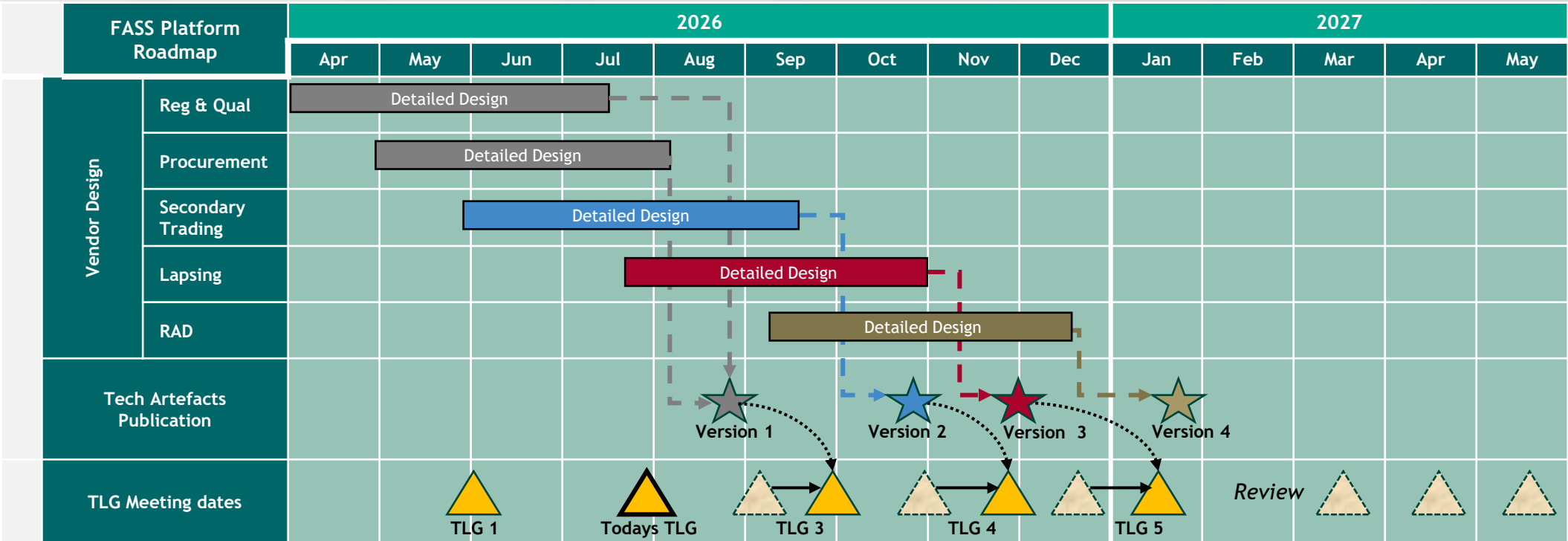
Future Markets Technical Liaison Group - FASS Solution Systems of Engagement

This slide provides high-level information on the systems that market participants will interact with for the FASS solution

System	What is it?	What is changing under FASS	What does this mean for you?
FASS Platform New	The central platform through which service providers will register and interact with the FASS markets.	A brand-new platform. No equivalent exists under DS3. It covers registration and qualification, day-ahead auctions, secondary and bilateral trading, lapsing and RAD.	Service providers will need to connect to the FASS Platform to participate. You can do this manually via a web browser or automatically via REST API. Note: Technical artefacts roadmap for FASS Platform described in following two slides.
Settlement System New	FASS Settlements is a new system that will process the Settlement for service providers. FASS Charges for Suppliers will be an addition via the existing TUoS system.	The TSOs will use a new application to generate the settlement information for service providers.	The settlement outputs will reflect the new market arrangements. Invoices and supporting documentation will be available in a similar manner as DS3/TUoS and have similar layout/formats.
Website New subsite	The public information will be presented on both EirGrid and SONI public websites. It will include market data, market messages, and rules management sections.	These websites will be updated and utilised for public reporting on all FASS arrangements including system services code, qualification information, auction packs, market results, various metric reports, market messages, etc.	Service providers will need to access Market Messages and may sign up for email notifications (similar to SEMO). Data will be available to the public through the website.
EDIL Updated	EDIL client is used by dispatchable service providers, and for FASS they will submit availability declarations to the TSOs. It is not used by non-dispatchable service providers such as wind, solar and interconnectors.	EDIL will be updated to support the new reserve services introduced under FASS. EirGrid & SONI will build, install and test its integration with relevant systems.	This is a change to an existing system and is expected to be a low impact for industry. The usual approach for documentation updates is expected to apply with additional communication via this TLG.

Future Markets TLG - FASS Platform Technical Artefacts Publication Approach

This slide outlines the current plan for the publication of FASS Platform technical artefacts and information in advance of TLG meetings

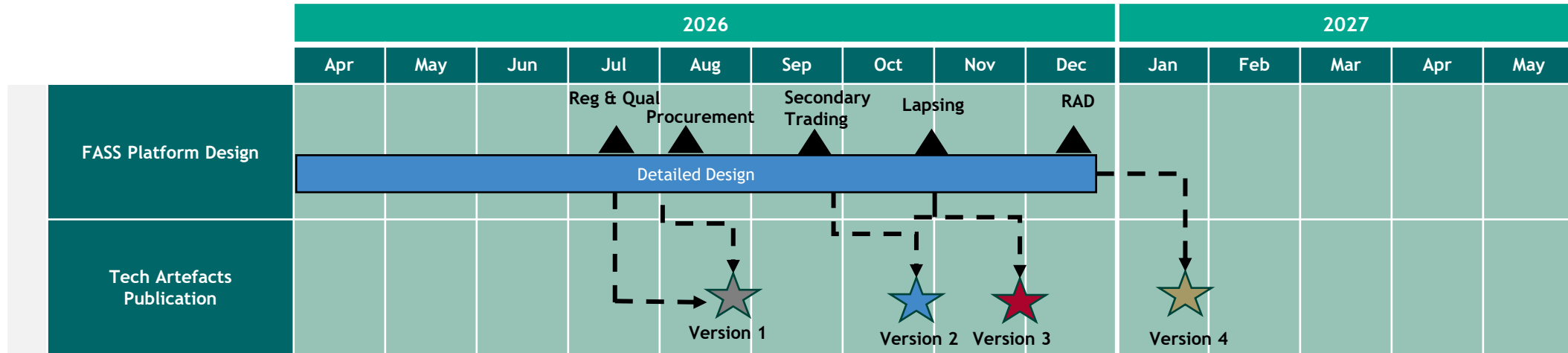


Frequency of engagement expected to increase

- The FASS Programme commits to holding two further TLG sessions in 2026: TLG3 at the end of September and TLG4 at the end of November:
 - Version 1 of the FASS Platform user guide / operating manual will be shared in advance of TLG3 and discussed at TLG3.
 - Version 2 will be shared in advance of TLG4 and discussed at TLG4.
 - TLG participants will have 2-3 weeks to review the artefact in advance of the TLG.
- Schedule is based vendor roadmap and allows time for the TSOs to review the artefacts in advance of sharing with participants.
- The technical artefacts roadmap will be reviewed at each TLG meeting.

Future Markets TLG - FASS Platform Technical Artefacts Publication Approach

This slide outlines the current plan for the publication of FASS Platform technical artefacts and information in advance of TLG meetings



Version#	Description	Release Date	Contents
Version 1	- FASS Platform - Registration & Qualification - Procurement	End Aug 26	How to securely connect to the FASS platform, how user access and management works, and a detailed guide to the Registration, Qualification and Procurement functionality including the technical instructions needed to build and test your connection to those functions.
Version 2	- FASS Platform - Secondary Trading	End Oct 26	An update to Version 1, plus a detailed guide to the Secondary Trading functionality including the technical instructions needed to build and test your connection to Secondary Trading.
Version 3	Lapsing	End Nov 26	An update to previous versions, plus a detailed guide to the Lapsing functionality including the technical instructions needed to build and test your connection to Lapsing.
Version 4	RAD	End Jan 27	An update to previous versions, plus a detailed guide to the RAD (Residual Availability Determination) functionality including the technical instructions needed to build and test your connection to the RAD.

FASS Platform

Service Provider Interaction

Technical Information

Gary O'Doherty

Michael Carrington



FASS Platform - API Technical Implementation Roadmap

The slide provides an overview of the technical implementation roadmap for the FASS platform

Milestone	What is being provided	What it enables
User Guide (Iterative)	API Contract (Version 1+) • OpenAPI 3.1 specification files (YAML) for interfaces, sample request/response payloads • Reference data & validation rules	• Generate client code straight from the YAML • Simply review the contracts to scope the effort and plan your approach
	API Guide (Version 1+) • Overview • Architecture • Operational constraints (payload size limits, rate limits & timeouts) • Error handling & retry behaviour • Versioning	• Understanding the operational constraints your design must respect • Start implementation or size the work accurately before starting
	Authentication and Authorisation (Version 1+) • OAuth 2.0 Client Credentials flow • Authentication endpoint • Token Request/Response and refresh guidance	• Start to implement Authentication or assess effort
Sandbox Opens	Supporting Documentation • Support details • Management of test windows • Issues log • Sandbox URL mirroring production interfaces	• Connect and prove your build end-to-end (network connection, auth handshake, message exchange)
Pre Go-Live Testing Testing & Support Support	Supporting Documentation • Test case catalogue with expected results & pass/fail criteria • Support model, incident severities & escalation paths • Release/versioning policy	• Check on readiness for Go-Live • Fully tested interfaces

FASS Platform - Data Submissions

The below slide outlines key information on data submissions to the FASS Platform

Submission Channels

Interactions for DASSA, RAD, Secondary and Bilateral Trading, and Self-Lapsing

- **Manual Entry via GUI** - Enter directly into GUI
- **Cut-Paste into GUI** - Copy from Excel allowed to fill multiple cells at once
- **API Submission** - Submit via API
- For large datasets (DASSA Offers, RAD Offers, and Forecast Capability)
 - **Bulk Upload Feature**
 - Same data format (JSON) and processing as the API

Submission Responses

- **Manual Entry via GUI** - Interactive response on Save
- **Cut-Paste into GUI** - same as above
- **API Submission** - Synchronous request and response
- **Bulk Upload Feature** - Response available from dedicated notifications display

Submission Error Handling

- **No Partial Acceptance** - Each request will either be fully accepted or fully rejected
- Meaningful error messages will be provided with details of each validation failure

DASSA Offer Submission- Overview

The below slide outlines key information on DASSA offer submission

Sample information provided here on the level of detail expected in the User Guide.

A submission

- May contain one or multiple units
- A party can be a member of only one jurisdiction
- A unit(s) may contain one or multiple products
- For each product it must be covering all trading periods (48)
- and each trading period may cover up to 10 price/quantity pairs
- '0' is acceptable value to indicate no submission for the trading period
- After initial submission:
 - Update: To update any previous submission, use the same combination of data elements to include any updated values
 - Remove: To remove any previous offer, set the quantity to '0' in an update
- POST method to create/update/delete offer submission

Data Elements: DASSA Offer Submission

Sample information provided here on the level of detail expected (Example is illustrative of information in User Guide Package).

Data Element	Data Type	Description	Validation
Header information (only some fields shown)			
Trading day	Date (YYYY-MM-DD)	Refers to day for participating in auction	Date for which submission covers the full day
Party	String	Pary ID (Balancing Market- Party ID)	Must be a valid party (PY_nnnnnn)
Jurisdiction	String	Party/unit jurisdiction	Must be either ‘roi’ or ‘ni’
Unit level data (repeat for multiple units)			
Unit	String	Unit ID (Balancing Market - Resource Name/Unit ID)	Must be a valid unit (GU_nnnnnn) registered to the party/jurisdiction
For each System Service Product			
System Service Product	String	Eligible system service product	Must be a valid product identifier, e.g. porUp
Trading Periods (48 to be included)			
Start of Trading Period	DateTime (YYYY-MM-DDThh:mm:ssZ)	Trading period interval	Time interval must be within the trading day, starts/ends on half hour
End of Trading Period	DateTime (YYYY-MM-DDThh:mm:ssZ)		
PQ pairs (minimum 1, up to 10)			
DASSA Offered Quantity	Float (3)	MW value of quantity offered	Must be non-negative, e.g. 23.456
DASSA Offered Price	Float (2)	Price for that quantity	Must be non-negative, e.g. 12.34
Divisibility	boolean	Divisible/indivisible offer	Must be either true or false
Footer			
Record Count		Total number of unit records	

Forecast Capability Submission

The below slide outlines key information on forecast capability submission

Sample information provided here on the level of detail expected in the User Guide.

A submission

- May contain one or multiple units
- A party can be a member of only one jurisdiction
- Unit data must contain all relevant products (services)
- For each product, the submission must cover all trading periods within a forecast period
 - Forecast period is from the next open hour to the end of the trading day for which DASSA orders are available (rolls at specific time daily)
- '0' forecast capability volume is an acceptable value to indicate no capability for a given product in a trading period
- After initial submission:
 - Update: To update any previous submission, use the same combination of data elements to include any updated values
- POST method to create/update forecast capability submission

Data Elements: Forecast Capability

Sample information provided here on the level of detail expected (Example is illustrative of information in User Guide Package).

Data Element	Data Type	Description	Validation
<i>Header information (only some fields shown)</i>			
Forecast Period	From: dateTime (YYYY-MM-DDThh:mm:ssZ) To: dateTime (YYYY-MM-DDThh:mm:ssZ)	Refers to day for participating in auction	Date for which submission covers the full day
Party	String	Party ID (Balancing Market- Party ID)	Must be a valid party (PY_nnnnnn)
Jurisdiction	String	Party/unit jurisdiction	Must be either 'roi' or 'ni'
<i>Unit level data (repeat for multiple units)</i>			
Unit	String	Unit ID (Balancing Market - Resource Name/Unit ID)	Must be a valid unit (GU_nnnnnn) registered to the party/jurisdiction
<i>For each System Service Product</i>			
System Service Product	String	Eligible system service product	Must be a valid product identifier, e.g. porUp
<i>Trading Periods (for the Full Forecast Period)</i>			
Start of Trading Period	DateTime (YYYY-MM-DDThh:mm:ssZ)	Trading period interval	Time interval must be within the forecast period, starts/ends on half hour
End of Trading Period	DateTime (YYYY-MM-DDThh:mm:ssZ)		
Forecast Capability	Float (3)	MW value of forecast capability	Must be non-negative, e.g. 23.456
<i>Footer</i>			
Record Count		Total number of unit records	

FASS Platform - Treatment of Time Arrangements

The below slide outlines key information for the Treatment of Time on the FASS platform

Trading Day

- Aligned with the Central European Time (CET/CEST) calendar day - the **trading day** in the market is defined from 23:00 on D-1 to 23:00 on D

Daylight Savings

- **API and bulk upload** - Data is always exchanged in **UTC zone** (ISO 8601 / RFC3339)
 - Ensures consistency across systems and avoids ambiguity during daylight transitions
 - Reports accessed via API will be in UTC
- **Front end GUI** - Local time is displayed
 - Improves usability
 - Time prevailing in Belfast (is always considered local time)

Front End GUI

UTC Time	Local Time (From Mar BST)	Local Time (From Oct GMT)
00:00	00:00	01:00 ☀
01:00	not displayed	01:00 ❄
02:00	02:00	02:00
03:00	03:00	03:00

☀

Summertime

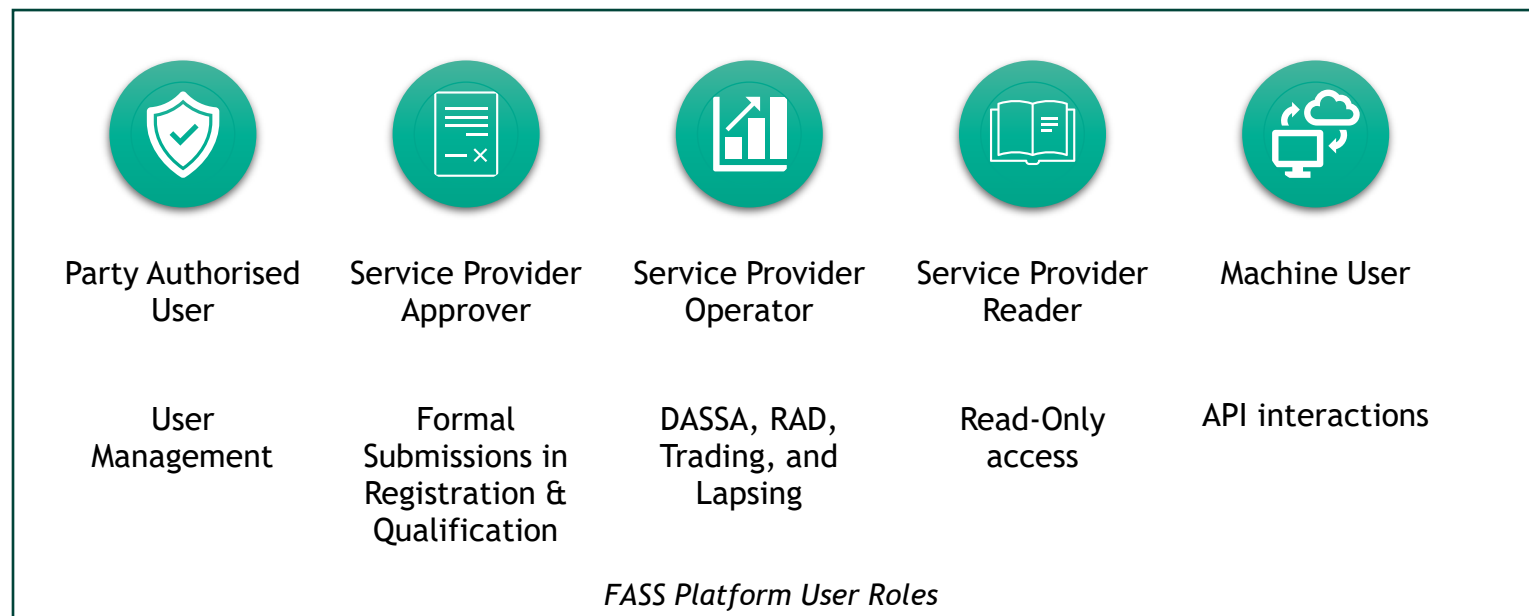
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Wintertime

FASS Platform - User Roles

The below slide outlines key information on User Roles and User Access Management for the FASS Platform

- User access is managed for a unique combination of party and jurisdiction
- The first user is approved by the relevant TSO (EirGrid or SONI)
- Four roles available for service provider users and an additional machine user for the API
- A user can be assigned one or more roles by a Party Authorised User
- Role permissions are not inherited between roles
- A user can be assigned to act on behalf of multiple party/jurisdiction combinations
- Machine users will have specific credentials for API access



FASS Platform - Additional Validations on Party/Unit Suspension

The below slide outlines key information on Party/Unit Suspension from the DASSA platform

- In addition to the market and technical validations, some interactions can only be performed if a party or unit is not suspended
- Suspension can be applied for a unit or unique party and jurisdiction combination for all corresponding units
- Suspension implications:
 - **Can't** submit DASSA or RAD offers
 - Already submitted DASSA/RAD offers validations are performed again at gate closure, with rejection notifications via the notifications screen for respective submissions
 - **Can't** participate in secondary or bilateral trading
 - Already submitted trades may be removed from the order book and are validated again during batch processing, with rejection notifications via the notifications screen for respective submissions
 - **Can** submit forecast capability or self-lapsing for already awarded DASSA orders

Note: *Suspension is a very rare occurrence in existing markets.*

FASS Platform: Registration and Qualification (Slide 1 of 2)

The below slide outlines key information on registration and qualification for the FASS platform

- Only Supported via Type 2 (Human-to-System)
 - Registration and Qualification interactions are via the GUI (business process/workflow)
 - Includes User Access Management
 - Approvals/administration is on a jurisdictional basis, by either EirGrid or SONI as appropriate
 - Applications for registration and qualification are initiated via the GUI
 - Enter required details
 - Upload supporting documentation
 - **Requests for Information** related to registration and qualification processes are managed via the platform
 - Can be raised by a service provider (service provider approver role) or TSO
 - The notifications screen will provide details on progress and required interactions
 - Email notifications (to check the GUI) are also provided
 - Email notifications for all major process steps, e.g. Party registration approval

FASS Platform: Registration and Qualification (Slide 2 of 2)

The below slide outlines key information on the request for information functionality of the FASS Platform

- The Request for Information (RFI) functionality allows users to raise activities (tasks, questions, provide information) and assign their resolution (or reply) to dedicated user group(s)
- Specific users can raise an RFI in the Registration & Qualification module and RFI activity is only visible to relevant users. Raising RFI does not affect the registration's state.
- In the FASS platform, RFI activities are accessible as part of the following workflows:
 - Party Registration
 - Unit Registration
 - Qualification Application Detail
- This functionality is implemented using an existing product, where the user group raising the RFI is called “submitter” and user group the activity is assigned to is called “solver”.
 - On the first step, the following activity types can be selected for the activity (RFI):
 - > Task
 - > Information
 - > Chat
 - On the second step, the following attributes can be specified for the activity (RFI):
 - > Name (required)
 - > Description
 - > Deadline (required)
 - > Solver(s)

+ Raise an RFI			
Activity List ?			
03.09.2025 08:45	FYI - you application has been reviewed TestCase - RFI	solver ▾	
27.06.2025 10:30	Test Task TestCase - RFI	1 solver ▾	

Websites and Public Reporting

The below slide outlines key information on the TSO websites including public reporting.

The following will be implemented on both the EirGrid and SONI websites:

- General Information on the market
- Public data from the markets
 - e.g. DASSA and RAD results, reporting by technology types
 - Auction Information pack - Auction details including volumes, price caps and floor etc.
- Metrics data from settlement
- Market Messages and Notifications
 - Similar approach to SEMO expected
 - Notifications/alerts via email
- Rules Management
 - System Services Code and Agreed Procedures
 - Modifications
- *Documentation regarding data accessible via the website will be provided*

Technical Liaison Group

Questions & Answers



Future Markets Technical Liaison Group - TLG #1 Query Clarification

This slide outlines a corrected response to an industry query raised at TLG #1.

Clarification of Industry Query from TLG #1:

Q3: How will collateral requirements across DASSA, Secondary and RAD be handled - is that just one pot?

Response Provided on 27/05/2026:

A3: The Credit Management referred to in the TLG slides relates to collateral for secondary trading to be managed by a third-party vendor.

Corrected Response on 30/07/2026:

A3: The Credit Management referred to in the TLG slides relates to both collateral for secondary trading, which may be dynamic, and a fixed amount for DASSA and the RAD.

The TLG #1 Q&A document published on the EirGrid and SONI website will be updated with the above response.

Next Technical Liaison Group (TLG) Meeting

The next TLG meeting will take place towards the end of September.

Planned topics for discussion:

1. FASS Platform User Guide Version 1



Thank you for your attendance!

Today's presentation along with the Q&A will be published on EirGrid [here](#) and SONI [here](#) websites once finalised.

FASS specific queries can be sent to:

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

General TLG queries can be sent to:

- futureMarkets@Eirgrid.com or
- futurepowermarketsNI@soni.ltd.uk

