RETAIL ENERGY CODE

# REC TARIFF INTEROPERABILITY SOLUTION WORKING GROUP (TISWG)

7 AUGUST 2025

# AGENDA

| AGENDA ITEM | PRESENTER |
|---|---|
| Welcome and Introduction | Chair |
| Confirmation of Agenda | Chair |
| Confirmation of Previous Minutes | Secretariat |
| Review of Actions | Secretariat |
| API Technical Specification Overview | Nathan Gould |
| Detail of Feedback Received | Nathan Gould |
| Future Updates | Nathan Gould |
| Next Steps | Nathan Gould |
| Q&A | Chair |
| AOB | Chair |

# CONFIRMATION OF PREVIOUS MEETING'S MINUTES

# REVIEW OF ACTIONS LOG

| ACTION REF. | ACTION | OWNER(S) | ORIGINAL TARGET (ACTUAL TARGET) | UPDATE | STATUS |
|---|---|---|---|---|---|
| **RECTISWG_25_0612_03** | DESNZ to confirm whether deemed contracts are within the scope of the TI solution. | DESNZ | 12/07/2025 | DESNZ presented an update on deemed contracts during AOB in TIWG meeting held on Tuesday 29 July.<br><br>The slides presented have been uploaded to the REC Portal. | Propose to Close |
| **RECTISWG_25_0703_02** | RECCo to revise the non-functional requirements, to be distributed to TISWG Members for review and input. | The Chair/Code Manager | 09/08/2025 | RECCo have included non-functional requirements for review in the draft Tariff Interoperability Arrangements Schedule. | Propose to Close |
| **RECTISWG_25_0717_01** | RECCo to consider options for defining triggers associated with dynamic tariffs, taking into account quarterly price cap changes. | The Chair | 21/08/2025 | RECCo have considered options for defining triggers, and have included these for review in the draft Tariff Interoperability Arrangements Schedule | Propose to Close |

# API TECHNICAL SPECIFICATION OVERVIEW

**On Wednesday 22 July, we issued the API Technical Specification for TISWG review and input via the RECCo Public Developer Portal**

**Central Register**

*Register for Supplier tariff endpoints and service users*

**Supplier Tariffs**

*Standardised API for sharing tariff pricing information*

**User**

*Specification for service users to receive event notifications*

All API Technical Specifications are maintained as drafts, reflecting ongoing collaboration and refinement. These drafts are designed to evolve with input from stakeholders, ensuring they meet the needs of a wide range of applications.

# API TECHNICAL SPECIFICATION OVERVIEW

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**Central Register**

*Register for Supplier tariff endpoints and service users*

**Providing a central register for Supplier tariff endpoints and service users, enabling machine-to-machine automated discoverability.**

The API Technical Specification provides details of:

- How to return Supplier endpoints by MPID
- How to return active Supplier endpoints by MPID
- How to return inactive Supplier endpoints by MPID
- How to return full list of Registered Service Users
- And the associated data schemas for each of these messages

# API TECHNICAL SPECIFICATION OVERVIEW

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**Supplier Tariffs**

*Standardised API for sharing tariff pricing information*

**Standardised API for sharing tariff information in the UK energy market. The restricted paths (registration and monitoring) may be implemented via separate APIs (with associated rate-limiting) if desired.**

The API Technical Specification provides details of:

- How to register and deregister the trust relationship for the consent mechanism
- How to return tariff summary for a specific MPID
- How to return tariff details
- Performance and context-based metrics for central monitoring service only
- And the associated data standards for tariffs, rates, metrics and registration

# API TECHNICAL SPECIFICATION OVERVIEW

**User**

*Specification for service users to receive event notifications*

**Providing a mechanism for service Users to register Webhooks and receive event notifications**

The API Technical Specification provides details of:

- How to register webhooks to receive notifications from Suppliers
- The specific webhook payload for change in tariff across MPxN, updates to the tariff, and where consent is revoked
- And the associated data standards

# SUMMARY OF FEEDBACK RECEIVED

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**Tariff Structure**

Feedback focused on whether the API supports flexible or complex tariff formats, such as block tariffs, time-of-use variability, expiry dates, direction of flow (import/export), fuel type, and how these fields are structured and represented within the tariff schema.

Tariff Structure & Fields

- **Block Tariffs (kWh tiers)**
  Feedback: Should block tariffs be included?
  Response: Will be removed, as agreed with DESNZ this is out of scope for MVP; may be revisited in future iterations.
- **Tariff Expiry**
  Feedback: Add a field to reflect expiry of fixed tariffs.
  Response: The “valid to” field serves this purpose, this can be open to discussion.
- **Tariff Direction, Import/Export, Fuel Type**
  Feedback: Clarify or add fields for import/export, and add a way to identify fuel type
  Response: Direction field is already present, we can clarify this. Fuel type can be added
- **Inclusions for SoLR and other possibilities**
  Feedback: No reference to SoLR or other niche use cases, perhaps change Active flag to Datetime for coverage.
  Response: To be clarified at TISWG; edge cases can be covered in later phases.

# SUMMARY OF FEEDBACK RECEIVED

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**Query Structure and Filtering**

Several stakeholders commented on how data is accessed, with questions about the absence of pagination, use of dedicated API paths versus query parameters (e.g. for active/inactive tariffs), and whether certain lookup capabilities (e.g. by MPXN) are supported.

Query Structure & Filtering

- **Active/Inactive as Query Parameter**
  Feedback: Use query parameters instead of active/ inactive paths.
  Response: Technically possible. Preference undecided, open to Industry views. What other statuses are likely
- **Pagination**
  Feedback: Currently not included, is it necessary?
  Response: Deliberately omitted to provoke discussion. Inclusion would add complexity and build cost
- **MPXN Query for Tariff Info**
  Feedback: Should there be a way to query tariff by customer/MPID?
  Response: Clarify at TISWG

# SUMMARY OF FEEDBACK RECEIVED

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**Clarity, Metadata & Standards**

This theme included suggestions for clearer field descriptions, better use of metadata, and alignment with recognised standards. This also covered requests for downloadable schema documentation and discussion over preferred data formats, such as ISO-8601 vs epoch timestamps.

Clarity, Metadata & Standards

- **Region & Payment Method Missing**
  Feedback: These affect unit rate/standing charge and should be added.
  Response: Agreed, will be added using standard lists (e.g. GSP/DNO area).
- **Rate Structure Flexibility**
  Feedback: Use of times limits the ToU to the same every day or week. Useful to have the option of giving different rates for different days of the week in some instances.
  Response: Currently out of scope for MVP
- **VAT Flag**
  Feedback: Should specify whether rates include VAT.
  Response: Easy to include, will assess need vs service load.
- **Time Format (ISO vs Epoch)**
  Feedback: Prefer Epoch for machine readability.
  Response: ISO-8601 chosen for interoperability and readability, Industry standard.

# SUMMARY OF FEEDBACK RECEIVED

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**Consent, Webhooks & Authorisation**

There were questions about how consent mechanisms are structured, how users and systems authenticate with webhooks, and whether standardised approaches like OIDC could or should be used. Concerns were raised about clarity in how consent revocation would be handled programmatically.

## Consent & Authorisation

- **Authorisation/Revocation Mechanism**
  Feedback: How does consent revocation work, particularly for third parties?
  Response: Depends on user role. Further discussion at TISWG.
- **OIDC Back Channel Logout Suggestion**
  Feedback: Consider OIDC for logout/consent revocation.
  Response: Not applicable, OIDC not in scope for this build, confirmed at previous TISWG.
- **Webhook Authentication**
  Feedback: Clarify how webhooks are authenticated, subscription and protection needs description.
  Response: Will provide overview at TIWSG. Shared key method in use, not yet in spec, but can be added.

# SUMMARY OF FEEDBACK RECEIVED

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**General Quality & Clarification**

A few items related more broadly to schema quality or documentation accuracy, for example, concerns about incomplete or inaccurate field definitions, general UI terminology, or wording inconsistencies across the API spec.

General Quality & Clarification

- **PDF Doc for API Fields**
  Feedback: Can you provide a downloadable document explaining data fields?
  Response: This is already available via the portal as a downloadable element, we can talk through how.
- **Schema Descriptions / Accuracy**
  Feedback: Some descriptions in the user section may be inaccurate.
  Response: Open to feedback, but please specify which ones.
- **Tariff Type & Use (e.g., EV, Heat Pump)**
- Feedback: How will type-of-use work with regards interoperability. An optimiser installed EV charger for instance, for the supplier to bill (or credit), would need to tell the supplier the consumption of the EV charger? Only if the consumption information from the control will this work. What's the reason for inclusion? If type-of-use is a tariff type, then rate schema needs type too. e.g. EV or Heat Pump

  Response: Further clarification required on definition of 'Type of Use'

# NEXT STEPS

**API Technical Specification**

- We're currently making final updates in line with the feedback received and our reasoning outlined in these slides
- Our intention is to issue the API Technical Specification for final review on 15 August
- This will then be discussed at TISWG on Thursday 21 August to finalise the content
- We will then begin to incorporate it into the REC Changes.

**TISWG**

- At next week's TISWG we will discuss the REC Changes as part of the overall API Governance
- The proposed REC Schedule has been issued in advance for your review and feedback

# QUESTIONS

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# UPDATES TO THE TI DELIVERABLES

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**For clarity of TI Deliverables, below is an update of the status of the key areas of work ahead of the Consultation.**

| Deliverable | Description | Status |
|---|---|---|
| **API Technical Specification** | Technical definition of Tariff Interoperability API to enable Suppliers and RTIS Users to build their solution. | Draft shared with members and DESNZ for review, to be discussed at 7 August 2025 TISWG |
| **Tariff Interoperability Arrangements Schedule** | Sets out obligations on parties (Suppliers, RTIS Users and RECCo) | Draft shared with members and DESNZ for review, to be discussed at 14 August 2025 TISWG |
| **TI Service Definition (TBC)** | Explains in detail the services RECCo will provide via the Tariff Interoperability Service. | Under development, will be shared w/c 11 August 2025 for discussion on 14 August 2025 TISWG |
| **Tariff Interoperability User Agreement** | Agreement to be signed by RTIS Users. | Under development, will be shared w/c 25 August 2025 for discussion on 4 September 2025 TISWG |
| **Energy Market Data Specification** | Standardised definition of:<br>• New Data Items (where required)<br>• New Market Messages for sharing data | Consultation-only document. No review required as it will be derivative of above documents. |

# AOB

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