



BRAVETRACE USER GROUP

Meeting 1: Thursday, 29 August 2024

MEETING TO BE RECORDED

www.bravetrace.co.nz

Agenda



- **Introduction**
- **Terms of Reference**
- **Administration**
- **Registry Version 2.0**
- **Future Product Discussion**
- **Future Topics**
- **Closing remarks**



INTRODUCTIONS

Shaun Goldsbury

Introductions

- **Welcome**
- **Meeting to be recorded**
- **Meeting Objectives**
- **BraveTrace team**
- **Round table introductions**





TERMS OF REFERENCE

Tim Street

Terms of Reference - General

PURPOSE

Advice on NZECS design & operation

SCOPE

Electricity system development

OUT OF SCOPE

Renewable gas - may be added later

Commercial arrangements including the price of NZ-ECs

The Commerce Act prohibits anti-competitive agreements between firms such as agreements to fix prices, allocate markets or restrict output.

PRINCIPLES

Criteria for assessing NZECS changes:

- impact
- robustness
- participation.

TERM

Open to all active Participants & Registrants

Tenure at the discretion of the member

Alternates are welcome

Multiple members from the same organisation welcome

FOCUS

Principles

Rules

Registry interface and operations

User guides

Residual Supply Mix methodology

Operational processes and forms

Reporting

Trading arrangements

Frameworks for electricity certification, such as accounting standards

Inclusion of other contractual market-based instruments

Terms of Reference - Roles

MEMBERS

Use collective knowledge and experience to provide advice

Lead work on particular topics

Report any potential conflicts

SECRETARIAT - BRAVETRACE

Schedule meetings, prepare minutes

Distribute info (5 business days prior)

Publish meeting materials

CHAIRPERSON

Facilitate and guide discussions

Encourage points of disagreements to be aired and if possible resolved

Member feedback: add “ensure specific commercial arrangements including the price of NZ-ECs are never discussed”

NON-MEMBER PARTICIPATION

Members or the Representative may suggest to the Chairperson that non-member(s) join all or part of a meeting

Examples are legal firms, carbon advisers, Government departments, energy user representatives and special interest groups

BRAVETRACE REPRESENTATIVE

Plan the meeting agenda

Address any concerns raised by members or the Chairperson

6. FUNCTIONS AND RESPONSIBILITIES

6.1. Chairperson

The key functions of the Chairperson include:

- facilitating discussions between Members in a manner that will stimulate robust debate on issues and proposals, and encourage effective contribution from all Members
- guiding relevant and effective discussions while also ensuring genuine disagreements and conflicts are aired and, if possible, resolved
- ensuring the minutes of each meeting are correct
- ensuring the views of the User Group are well represented to BraveTrace
- ensuring that specific commercial arrangements including the price of NZ-ECs are not discussed.

Terms of Reference - Procedural

APPROACH

No quorum, BraveTrace must attend

Meet remotely, can meet in person

Quarterly or as required

One to two hours

Meetings recorded

TERMS OF REFERENCE CHANGES

BraveTrace may amend the Terms of Reference based on feedback from the User Group or at its own discretion

Any changes will first be discussed with the User Group

MATERIALS

Distributed via email five business days prior to meeting

Published on the BraveTrace website

Meeting recordings not published, these may be shared internally but not externally

FEEDBACK

Members may suggest changes to the operation of the User Group

Feedback will be sought

Concerns may be raised regarding behaviour, BraveTrace sole discretion on resolution



ADMINISTRATION

Laura Ferrier

Meeting materials and where to find them

MEETING INVITE

Guest list currently hidden, is this necessary?

AGENDA

Shared on the meeting invite at least five days prior

MEETING MINUTES

Shared post meeting with all Members

Shared publicly on the BraveTrace website

Member comments to be anonymised

PRE MEETING READING MATERIALS

Where applicable, attached to the meeting invite and sent via email

Agenda will also note if there are any for each meeting

METHOD OF DISTRIBUTING MATERIALS

In a timely manner post each meeting materials will be provided:

Via EMAIL - PDF attachments and/or Google Drive links

BraveTrace Website (excl. recordings)

MEETING RECORDINGS

Shared post meeting with all Members

Members may **share internally only**

CAN'T FIND OR NEED HELP WITH MATERIALS?

Email laura.ferrier@bravetrace.co.nz or contact@bravetrace.co.nz



REGISTRY VERSION 2.0

Tim Street

Why are we re-writing the Registry?

LEGACY ISSUES

Whilst the current system is fit for purpose, it is showing its age, making it more difficult to maintain and scale.

It was great initially but now requires an infrastructure and software update.

TECHNICAL DEBT

Older technologies and implementation have begun to limit our development speed.

This has caused a lack of major releases of the Registry over the past two years.

USER EXPECTATIONS

We expect a fast response time with reliable software.

Users would like more frequent releases with new functionality.

Advantages of the Rewrite

SPEED

Simpler code layout, optimised database queries, efficient algorithms.

Enables quicker page responsiveness.

RELIABILITY

More stable and less prone to crashes or bugs, reducing downtime.

Comprehensive automated testing, automated release management, managed hosting, increased security.

MODERN

Use of latest software stack (language, database) and best practices.

Makes future maintenance easier and enabling the use of modern tools.

Future Possibilities

AGILITY

Faster development cycles, allowing us to respond more quickly with new bug fixes and new features.

SCALABILITY

Easier to scale the application as the user base grows without performance degradation.

Will enable more devices, more users, along with increased transaction volumes.

INNOVATION

Ability to implement new markets and integrate with external systems.

Develop better tools, access and reports for users.

Increased security using 2FA.

Immediate and Future Roadmap

DASHBOARD

Part of the Registry v2.

This will give you an overview for all Registrant and Participant entities such as production devices, energy users, and certificates.

- Multiple user/role logins per org

SELF SERVE

Post-Registry v2.

Examples include the ability to download Statements of Position or Redemption Reports yourself.

- Energy User access

API

Post-Registry v2.

Ability to automatically upload data such as generation, consumption, as well as manage Production Devices and Energy Users.



Revitalising Our Software

For now and the future.



Future Product Discussion

Emily Laing

Note: This section has been redacted

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FUTURE TOPICS

Tim Street

Seeking your feedback on future User Group topics

Energy User Access to the Registry	Automation - API development
Registry Login - multiple, varying authorisation	Improve scope 3 inclusion
Metered consumption information in the Registry	Energy User to many Participant relationship
Automated production of reports, SOPs and RRs	Guidelines Principles, switching, repowering, sustainable hydro
Market summary report	Printable NZ-EC certificate
Early cancellation	Combine standard and sub-ICP energy users

Keen to hear member feedback on:

- topic prioritisation
- additional topics



CLOSING REMARKS AND THANK YOU

bravetrace.co.nz

contact@bravetrace.co.nz

THE LEGACY WE LEAVE IS A TRACEABLE CHOICE