

# Networks Advisory Group

## Meeting 16 Briefing Information

Tuesday 25 October 2022 | 1:30pm – 3:00pm ADST



# Agenda



Item	Lead	Timing
Welcome, Acknowledgement of Country and Safety Moment	John Theunissen	5 min
EDGE Project update	John Theunissen	15 min
C4NET-funded project "Model-Free Operating Envelopes at NMI Level" using smart meter data, and potential application/testing in EDGE	Nando Ochoa <i>Supported by Michael Liu &amp; Vincenzo Bassi</i>	45 min
Local network service baselining methodology and approach in EDGE	Vincent Frandina <i>Supported by Kenneth Chew &amp; Peter Wong</i>	25 min
Wrap up and look-ahead	John Theunissen	





## Acknowledgment of Country

We acknowledge the Traditional Owners of country throughout Australia and recognise their continuing connection to land, waters and culture.

We pay our respects to their Elders past, present and emerging.



**Safety moment**

# Safety item | Mental Health First Aiders initiative



## Meet our Mental Health First Aiders

MHFA Officers are:

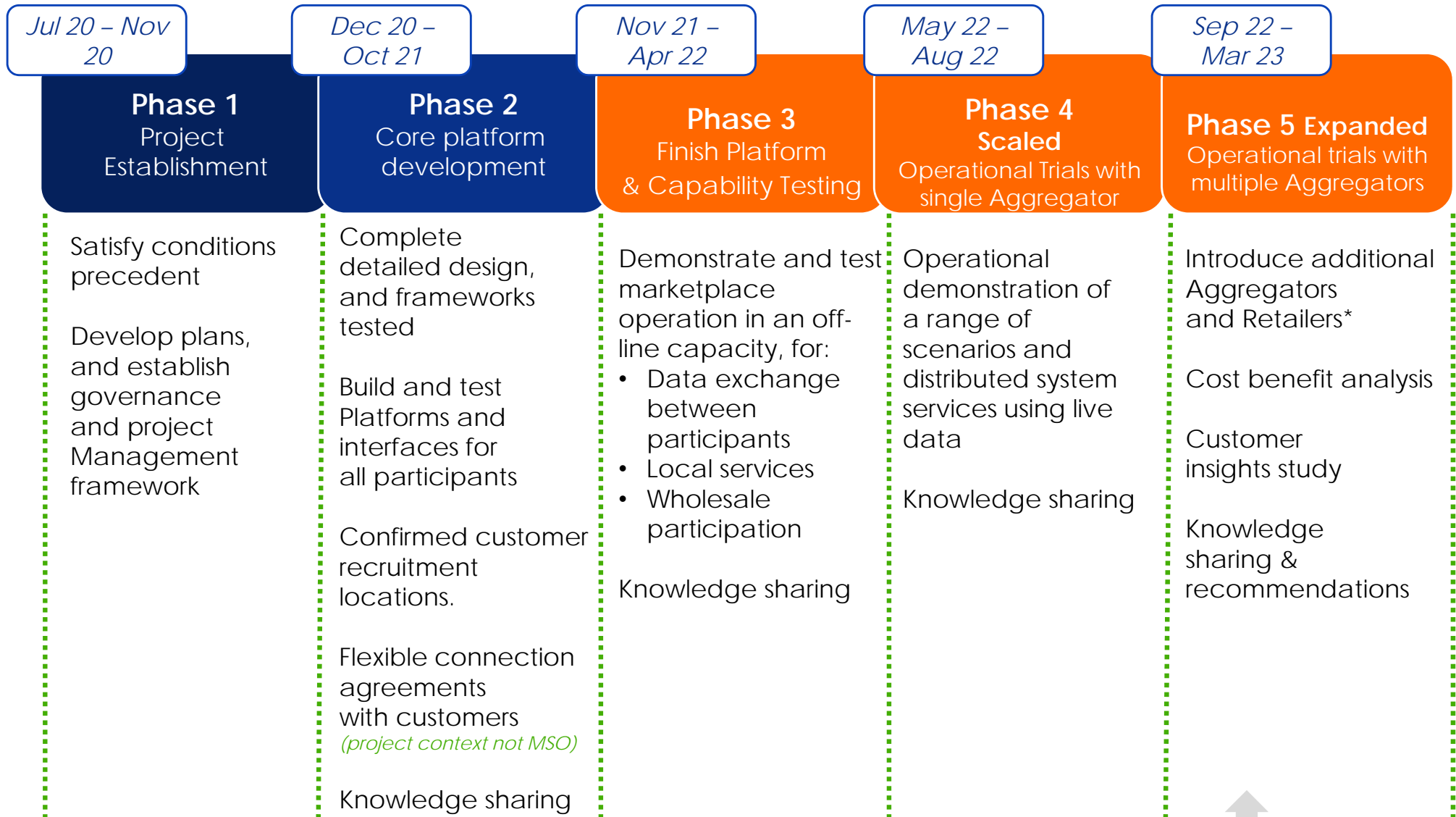
- Volunteer employees passionate about mental health & wellbeing
- Complimenting existing support services such as the Employee Assistance Program, HR, HSEQ and Managers
- Trained and accredited by Mental Health First Aid Australia to support, empower and assist employees with their mental health

To find a list of MHFA Officers or more about the program head to [The Loop](#)



# EDGE Project update

# Project Update | Program view



We are here



# Project Update | M4 Complete, working towards M5



## Project Management

D5.1 Provision of a Milestone Report

31 March 2023



D5.3 Provision of an updated Project Plan and material updates to other plans

31 March 2023



## Trial Platform Development and Testing

D5.4 Evidence of successful operation of key Marketplace components

31 March 2023



D5.5 Provision of completed Phase 5 test plan, which is endorsed by the Steering Committee

31 March 2023



## Customer Acquisition

D5.2 Confirmation of the addition of at least 200 residential customers and 30 business customers participating in the Project

31 March 2023



## Stakeholder Engagement, Knowledge Sharing and Cost Benefit Analysis

D5.6 Provision of completed CBA for Phase 5, which is endorsed by the Steering Committee

31 March 2023



D5.7 Consideration of the feedback of the stakeholder engagement and community

31 March 2023



D5.8 Provision of a completed customer insights study

31 March 2023



Knowledge Sharing Deliverables	Delivery date	Status
Public Project Lessons Learnt Report	30 November 2022	
Public final project report	31 May 2023	
Public customer insights and engagement final report	31 May 2023	
Final project report webinar	31 May 2023	
Final CIES report webinar	31 May 2023	



# Project Update | Insights and Alignment + Tech and Cyber Analysis



An approach that considers the whole-of-life Operational Research Plan to group analysis activities, assess data readiness and value to prioritise and sequence both analytics as well as stakeholder engagement activities and drive the best outcomes and meet project objectives.

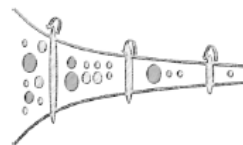
## Insights and Alignment:

- EY have commenced as Insights and Alignment Consultant
- Governance framework has been established
- Data Analysis activities commencing in October
- Monthly showcases will be shared within the Project Team with regular updates to the Steering Committee

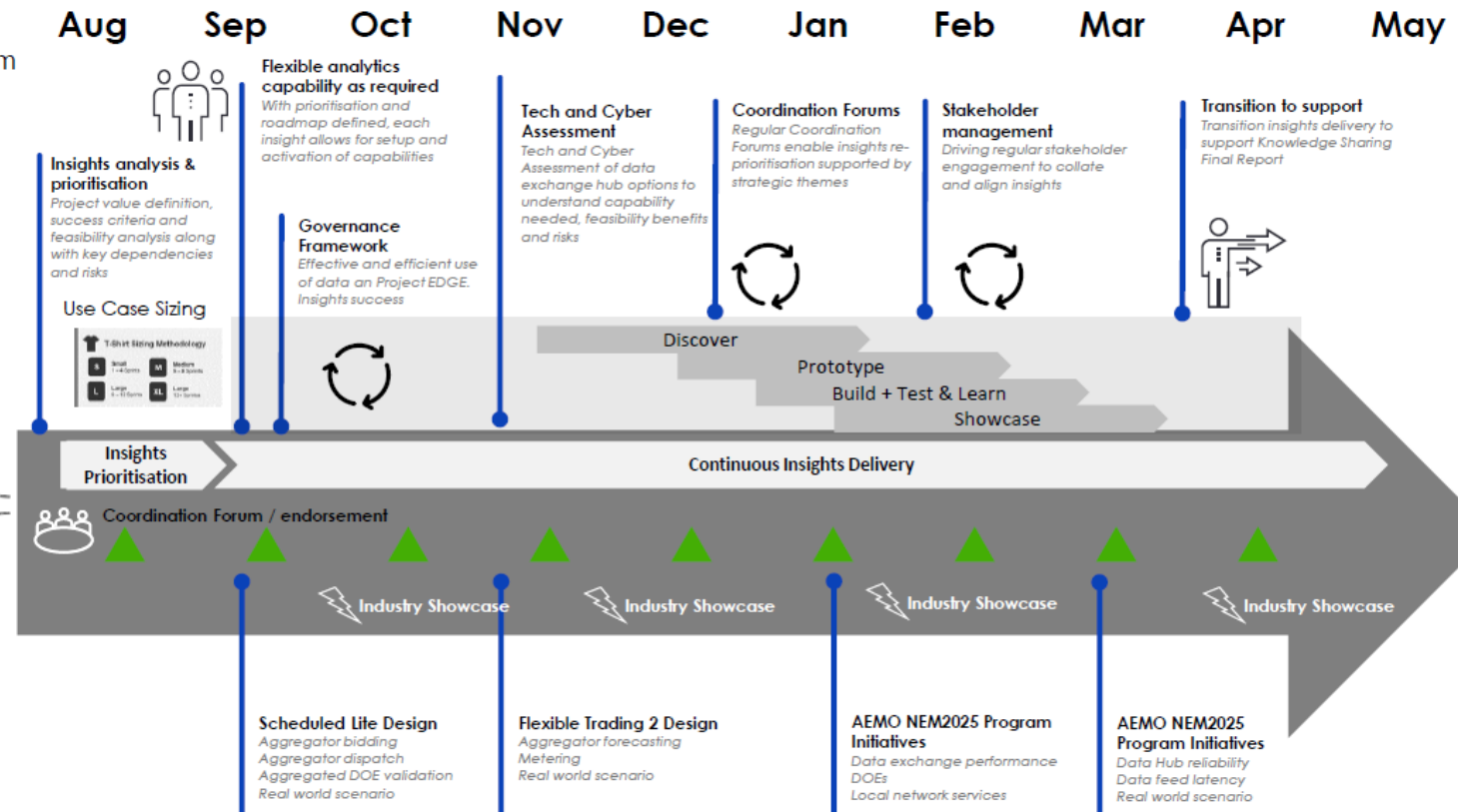
## Tech and Cyber Analysis:

- SME coordination has commenced
- Drafting of deliverables ongoing; Including;
  - Cyber assessment security threat
  - Evaluation of data exchange options
  - Shared infrastructure concept assessment
  - Data exchange resilience and controls assessment

**Project EDGE enablement**  
Activities for prioritising analysis, stakeholder engagement and insights delivery



**Regulatory and policy dependencies**  
Dependencies requiring Project EDGE insights \*

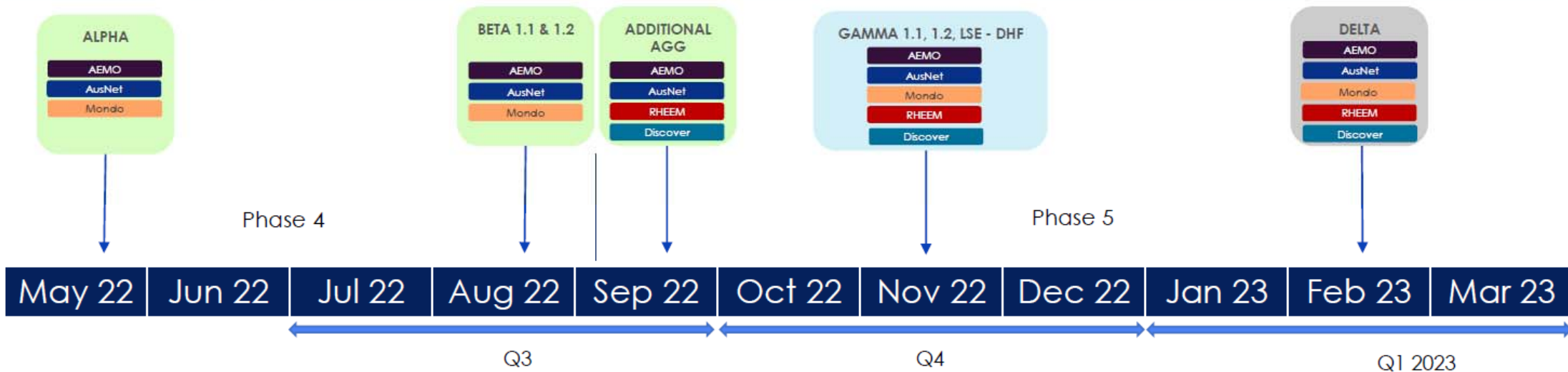


\* The full view of all relevant dependencies will be outlined in the reform map. These will be monitored to reassess priority if anticipated dependency dates change.

# Project Update | Platform release update



- **Success Story:** RHEEM/CET & Discover have been successfully participating in Trial since 29<sup>th</sup> Sept. Onboarding was achieved within 4 months (Jun'22 ~Sept'22) and was a success due to the huge efforts involved by teams from 5 different organisations
- More aggregators in trial has facilitated the following:
  - Customer numbers have doubled from 70 in Aug'22 to 148 in Oct'22
  - Outcomes of trial will be more robust & informative as we have a diverse mix of DER assets including PV, Battery, Controlled Load and (possibly) EV Chargers
- **Gamma Release:** The team is now focussing on Gamma release which will provide us the ability to test:
  - Local Service Exchange (LSE) for Demand High Firmness
  - Perform desktop assessments
  - Price simulated scenarios



ALPHA	BETA 1.1 & 1.2	ADDITIONAL AGGREGATORS	GAMMA 1.1 & 1.2, LSE - DHF	DELTA
<ul style="list-style-type: none"> <li>• End-to-end basic wholesale marketplace integration between AEMO, AusNet &amp; Mondo</li> </ul>	<ul style="list-style-type: none"> <li>• EWF Transport layer v2 (DDHub)</li> <li>• DOE V2 (in CSIP format)</li> <li>• PD price forecast</li> <li>• Remove NMI &amp; device</li> <li>• Defect fixes</li> </ul>	<ul style="list-style-type: none"> <li>• End-to-end basic wholesale marketplace integration between AEMO, AusNet, Discover &amp; RHEEM</li> </ul>	<ul style="list-style-type: none"> <li>• Enrolment updates</li> <li>• Desktop Assessments</li> <li>• Local Service Exchange (LSE) for Demand High Firmness (DHF)</li> <li>• Price simulation capability</li> <li>• DERMS additional functionality (Intraday)</li> </ul>	<ul style="list-style-type: none"> <li>• DOE reactive power calculation</li> <li>• Local Service Exchange (LSE) for Voltage High Firmness</li> </ul>

Legend- Green: completed Blue: In Progress Grey: Next release

C4NET-funded project “Model-Free Operating Envelopes at NMI Level” using smart meter data, and potential application/testing in EDGE



Material to be provided separately by the University of Melbourne on the day or before

# Local network service baselining methodology and approach in EDGE

Material to be provided separately by AusNet  
on the day or before