

AQF Level 7 Vocational Degree in Reliability and Testing Engineering

Phase 3 – Briefing 2

16 September 2026



**Mining and
Automotive**
Skills Alliance



Meet the team

AUSMASA Project Team



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Consultant - Meyvn Group

Acknowledgement of Country

We acknowledge the Traditional Custodians of the lands on which we live and work.

We acknowledge Traditional Custodians of Country throughout Australia and their connections to land, sea and community.

We honour and respect their Elders, past and present, and extend our respect to all Aboriginal and Torres Strait Islander people.

Agenda

- Welcome
- Acknowledgment of Country
- Project Recap – what are we developing and why
- Project Status
 - Industrial relations
 - The qualification model
 - The workforce analysis - electives
 - TPAB
 - OSCA
- Next Steps
- Discussion and Questions
- AUSMASA Project Updates



Project Recap

Vocational Degree

We will develop and implement the AQF Level 7 Vocational Degree, focused on the **Reliability Engineer** occupation in the mining sector.

Deliverables:

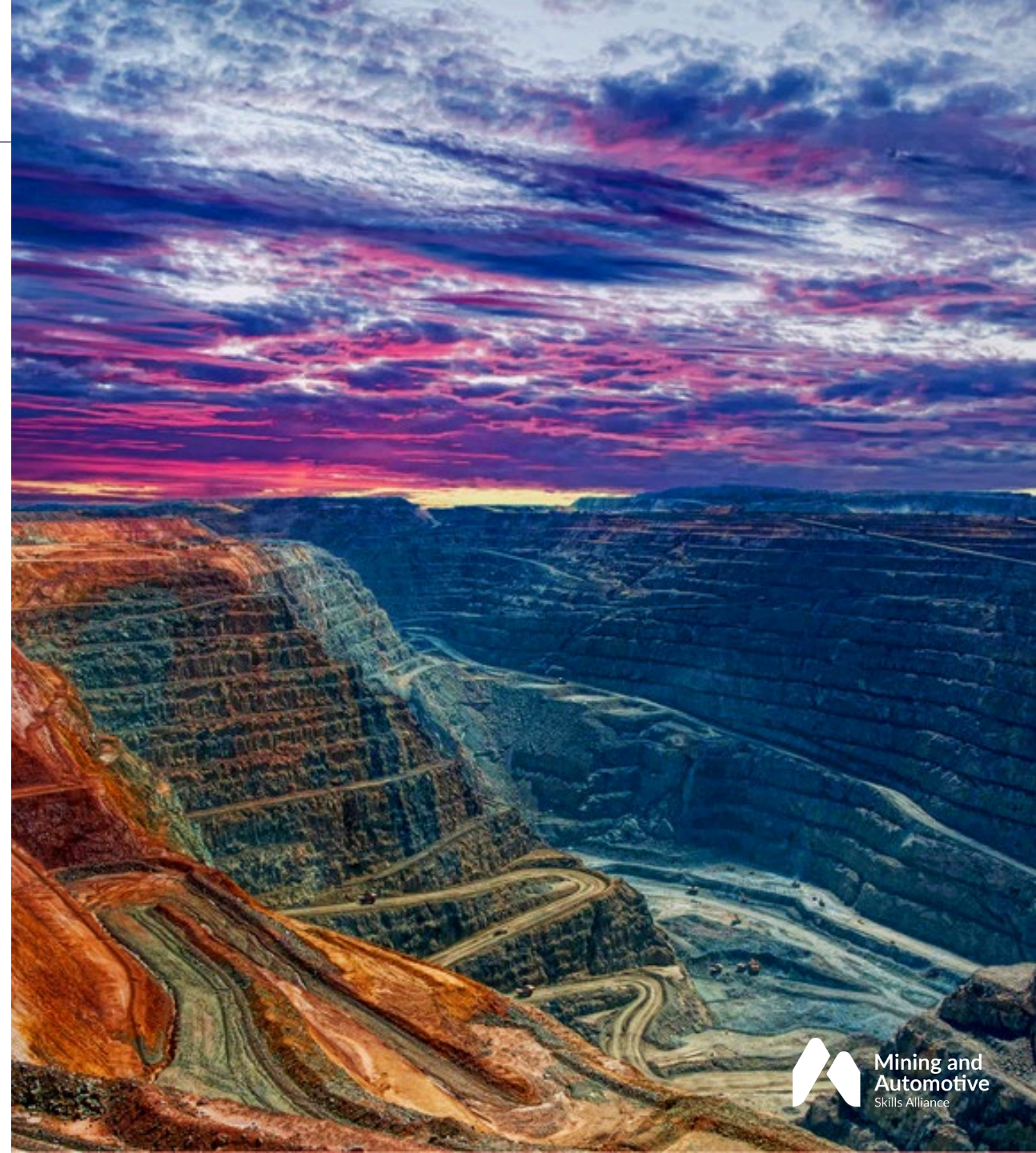
- 1 new qualification – Vocational Degree in Reliability Engineering; consisting of;
- 39 proposed new Units of Competency, 20 core, 5 specialisation and 14 electives
- Updated Companion Volume Implementation Guide (CVIG)



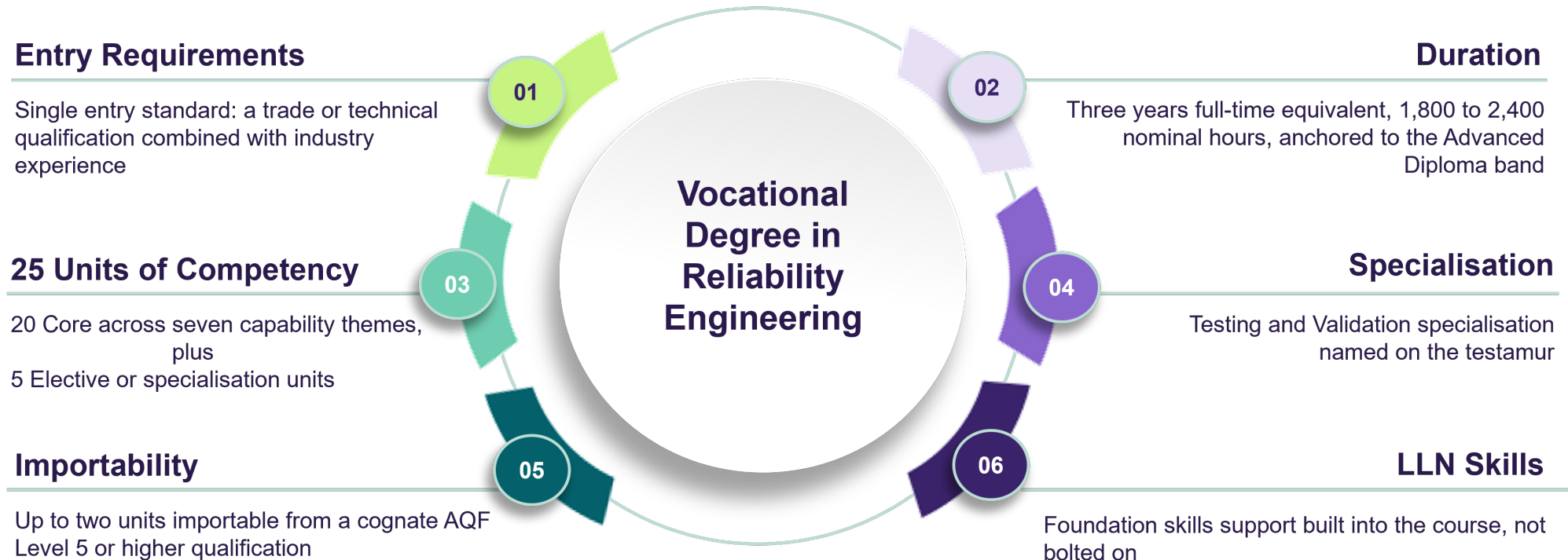
Consultation Activities

One-to-one discussions held with union, industry and RTO representatives and other interested stakeholders. Topics included:

- Entry and exit pathways for learners
- The preferred delivery model
- Workplace supervision
- State and territory enabling conditions
- Partners for the Pilot of the program
- Foundation skills and learner readiness
- Overlap with Existing Training Packages (MEM, UEE)



A Qualification Model



Project Status

Work Integrated Learning

- WIL is the core design logic, with workplace evidence built into each unit
- About 25 to 50 per cent of total volume, indicatively 500 to 700 hours
- Three staged years: directed observation, supervised application, independent practice
- Year 3 capstone workplace project
- Supervision includes: safety, technical specialisation, with assessment carried out by the RTO
- Shared responsibility across RTO, employer and learner



Classification and the funding model

- Recommend Class B - keeping an apprenticeship pathway open without forcing experienced entrants into a training contract
- Funding opportunities including:
 - State-subsidised training place
 - Fee-free or lower-fee tuition
 - Employer incentives
 - Apprentice income support
 - Apprentice wages
 - RTO or TAFE delivery funding
 - Employer WIL contribution
- The Pilot - Initial delivery of the qualification through a single or small number of RTOs ahead of any broader or national rollout



Elective Streams –Analysis



Energy systems
and
sustainability

2 units



Digital and
data-driven
reliability

3 units



Materials testing
and
innovation

3 units



Industry applications
and collaboration

3 units



Commercial
and strategic
management in
engineering
operations

3 units

Knowledge, Skills, Application, and Workplace tasks/exposure for WIL

TPAB and SROs

- AUSMASA will engage the Training Product Assurance Body (TPAB) and Senior Responsible Officers (SRO) on TPOF requirements as development proceeds
- Advice is being sought on developing units using the Application of Skills and Knowledge (ASK) template
- Early engagement supports a submission that meets TPOF requirements on first presentation



Project Status

OSCA

Reliability Engineer is on the proposed list of occupations to be added to OSCA in 2027. Proposed code 243535 at skill level 1 (AQF 7).

This is important because it provides:

- visibility in official statistics
- a route onto the priority lists.
- access to funding and program eligibility
- evidence for the Training Product Submission
- a skill level signal



Project Progress - at a glance



Next Steps

- Unit drafting and feedback
- Drafting Work Integrating Learning Guidelines
- Engaging with potential Pilot partners (RTO and Industry)
- Engaging State and Territory Training Authorities
- Engaging with Regulators



Q&A



Projects Update

AUR | AUM | RII Training Packages

September 2026



**Mining and
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Projects published on National Training Register

September Release

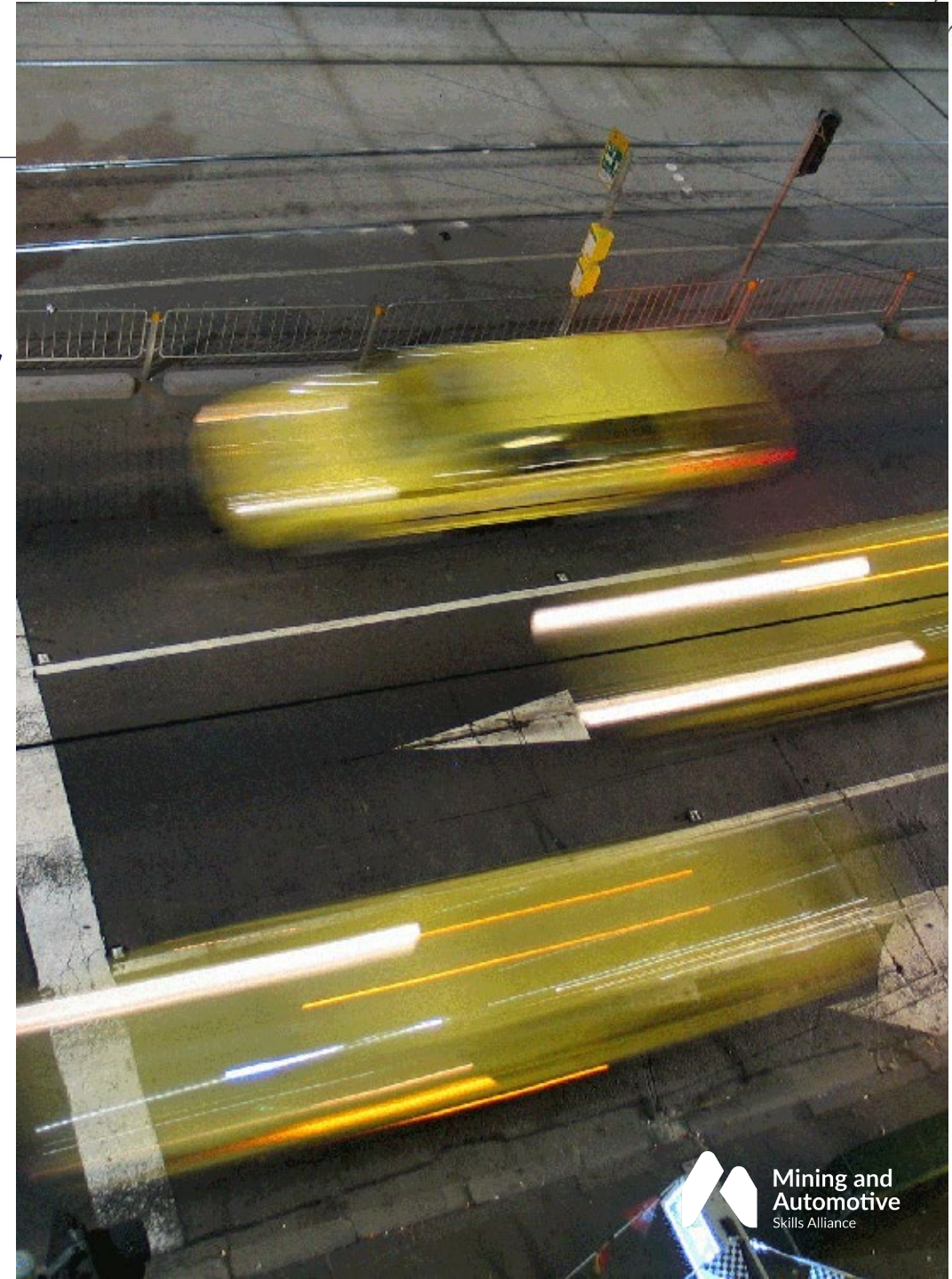
- Review and update of the **RII emergency response qualifications**

July Release

- Review and update **AURVTN220 – Remove and replace major welded panels on vehicles** within the Certificate III in Automotive Body Repair Technology
- Review of **Certificate II in Tyre Servicing Technology**
- Develop new training products for **Advanced Driver Assistance Systems**

March Release

- Training package review of superseded units of competency
- Develop new training products for Hydrogen Fuel Cell EVs



Critical Control Management

This project will address mine site supervision competencies in the Resource and Infrastructure Industry (RII) Training Package. The review's focus is on managing risks and issues concerned with high-level health, safety or environmental matters. Existing units have been reviewed to ensure training products are appropriately aligned with legislative requirements for risk mitigation and management on mine sites.

Project progress:

- Training products have been sent to SROs for their review

Step	Date
Step 4: Senior Officials' Check	September 2026



Review of Drilling Operations Qualifications

This project involves a national review and revision of a suite of RII drilling qualifications, to align with current industry practices, workforce needs and emerging demands.

It also includes developing 3 new skill sets to support national licensing requirements for water drillers, administered by the Australian Drilling Industry Association (ADIA) and the National Uniform Drillers' Licensing Committee (NUDLC).

- The Training products being reviewed include 5 qualifications, 63 Units of Competency and 3 new Skill Sets.
- Consultation has been underway to inform the draft training products
- Draft training products are being prepared for the P&G review step

Step	Date
Step 1: Initial Development	December 2025 – August 2026
Step 2: Public & Government Consultation	September 2026



Handling Automotive Flammable Refrigerant Gases

The project will review and update key units of competency within AUR20220 Certificate II in Automotive Air Conditioning Technology to reflect the skills and knowledge required for the safe handling of highly flammable refrigerant gases in automotive systems.

Project progress:

- SRO support received nationally
- Submitted to the Training Package Assurance Body for review

Step	Date
Step 5: Submission to Training Package Assurance Body	September 2026



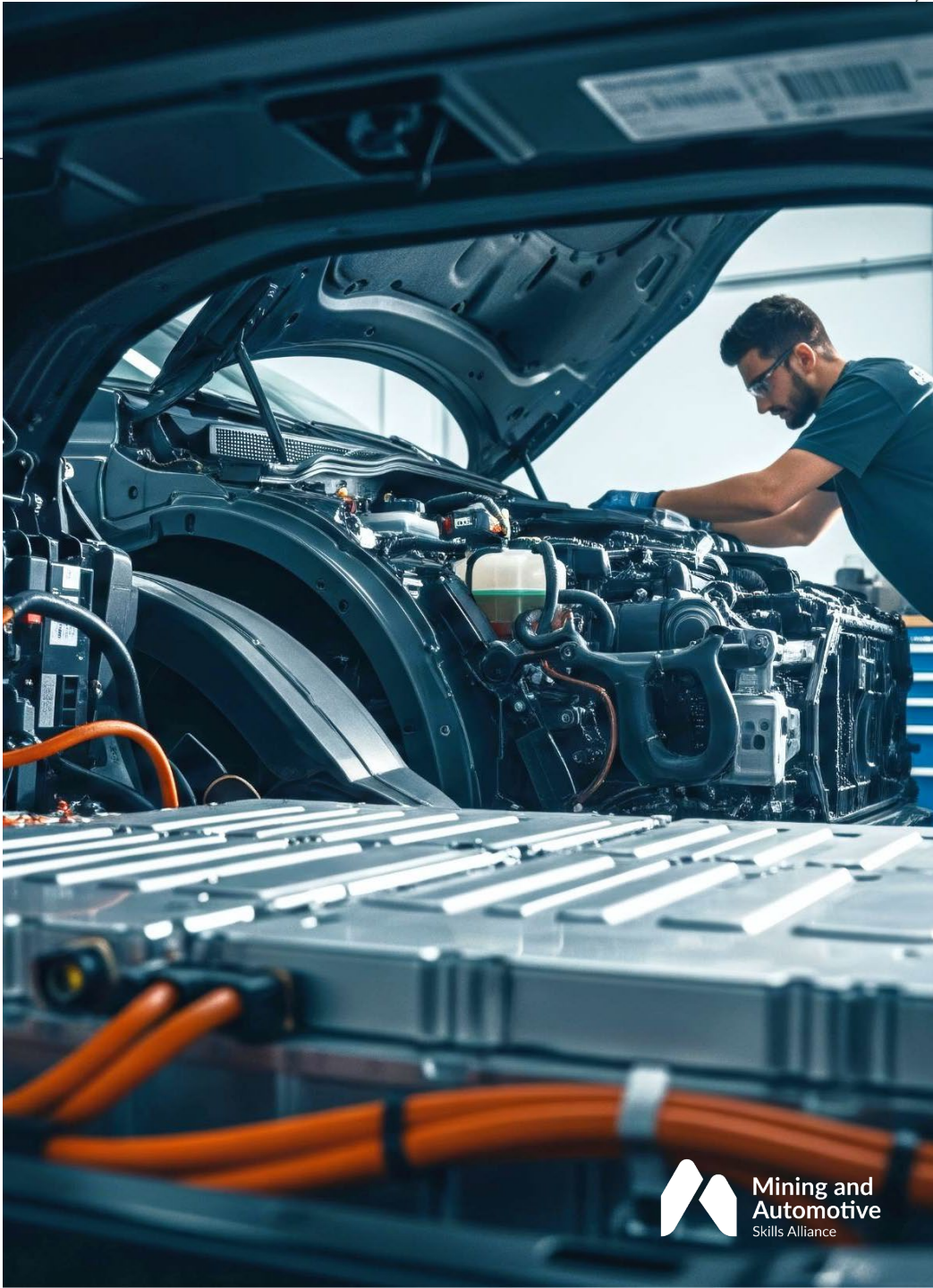
Certificate III in Automotive EV Technology

This project focuses on reviewing and updating the AUR32721 Certificate III in Automotive Electric Vehicle Technology qualification, along with associated battery EV skill sets, to address the evolving needs of the automotive industry amid rapid electrification.

The project responds to industry transformations driven by EV adoption, hybrid technologies, and expansion into adjacent sectors like mobile plant, agriculture and marine. It involves national consultation to ensure training products reflect current technologies, safety standards and job roles.

- Consultation has been underway to inform the draft training products
- Draft training products are being prepared for the P&G review step

Step	Date
Step 1: Initial Development	December 2025 – August 2026
Step 2: Public & Government Consultation	September 2026



Review of Certificate III in Mobile Plant Technology

This project will review and update AUR31220 Certificate III in Mobile Plant Technology to ensure that future workers develop the necessary skills for the evolving mobile plant sectors, including complex electrical systems and instrumentation.

Project progress:

- Second round consultations on draft training products are currently in progress
- Feedback will be incorporated into the draft training products
- Once incorporated, these will be reviewed by the technical committee

Step	Date
Step 3: Incorporating Feedback	June – August 2026
Step 4: Second round consultation	September 2026



Review of Certificate III in Agricultural Mechanical Technology

This project will consult with the agricultural machinery and mobile plant industries to review the AUR30420 Certificate III in Agricultural Mechanical Technology. The project will:

- Review and update the Agricultural-specific units training to reflect current agricultural machinery practice.
- Consult on a proposed specialisation by establishing an Agricultural Mechanical Technology specialisation within the AUR31220 Certificate III in Mobile Plant Technology, and determining whether the agricultural machinery workforce is best served by that specialisation rather than maintaining a separate qualification.

Project progress:

- Technical Committee selection in progress

Step	Date
Step 1: Initial Development	July – October 2026



Review of Certificate III in Marine Mechanical Technology

This project will consult with the marine industry to review AUR30520 Certificate III in Marine Mechanical Technology, address structural gaps, and ensure a skilled workforce across modern marine service environments, including vessels with integrated electronic, hydraulic, and digitally controlled systems.

Project progress:

- Technical Committee selection in progress

Step	Date
Step 1: Initial Development	July 2026 – March 2027



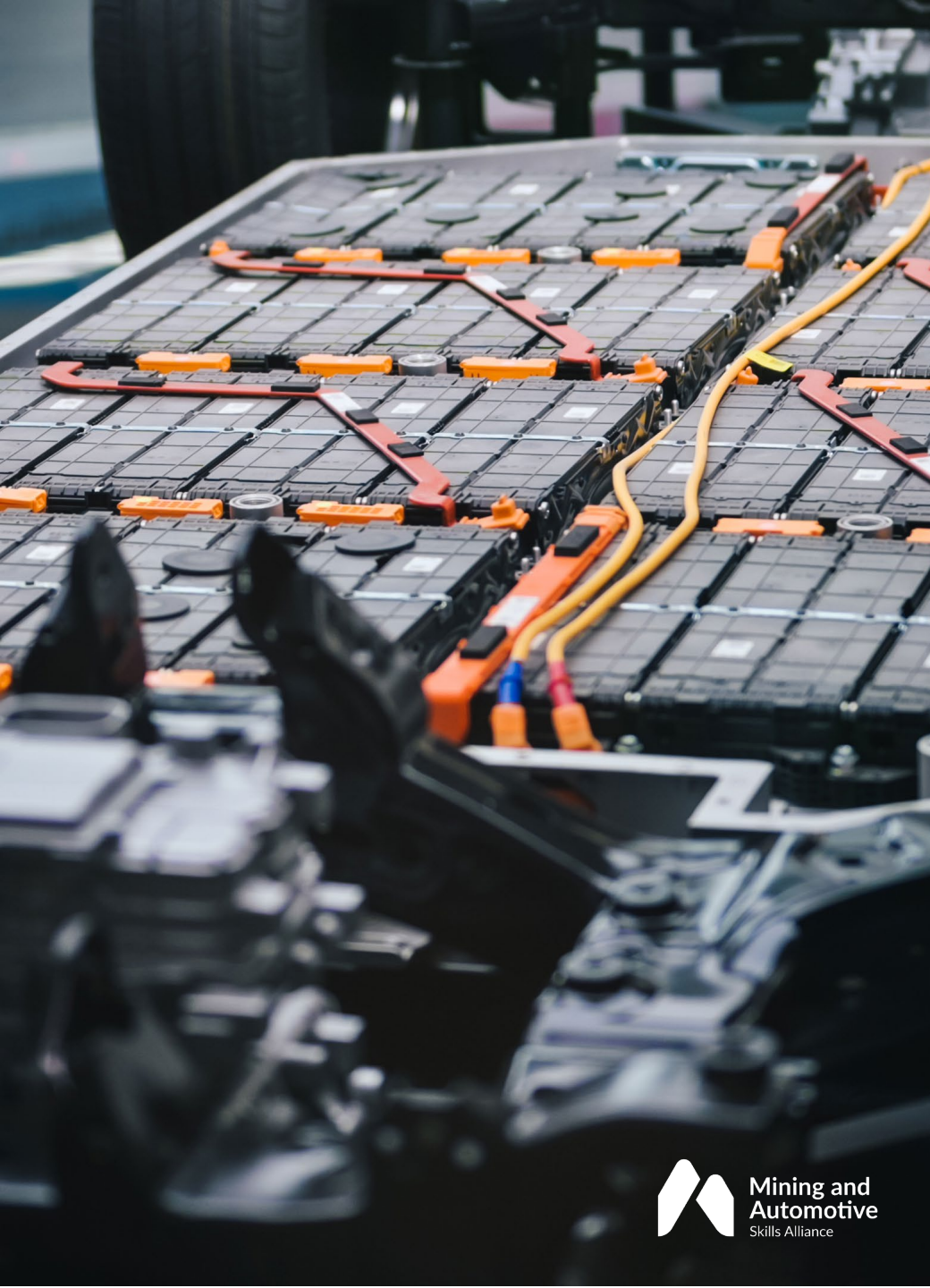
Electric and Hybrid Vehicle Skill Set Entry Requirement Reform

This project will consult across the automotive, mining, manufacturing, electrotechnology and renewable energy sectors to reform entry requirements for the AUR electric and hybrid vehicle skill sets. This will enable cross-sector entry for related tradespeople servicing electrified vehicles and mobile plant.

Project progress:

- Technical Committee selection in progress

Step	Date
Step 1: Initial Consultation	August – September 2026
Step 2: Incorporating Feedback	September – October 2026
Step 3: Submission and Publication	November – December 2026



Working Safely in the Electric Vehicle Supply Chain

This project will develop a unit of competency and skill set, designed to raise safety awareness and safe work practices for workers operating in environments where electric vehicles (EVs) and rechargeable energy storage systems (RESS) are present.

AUSMASA will consult across the mining, automotive, motorsport, manufacturing and transport sectors to develop nationally recognised training products for non-technical staff working around EVs and RESS.

Project progress:

- Technical Committee selection in progress

Step	Date
Step 1: Initial Development	July – October 2027



Working Safely in the Electric Vehicle Supply Chain

This project will consult nationally with the automotive industry to develop training products to address a critical and growing skills gap in digital diagnostic capability and vehicle network cybersecurity in the electronic control and communication systems used in modern vehicles, mobile plant, agricultural machinery, and marine equipment.

These training products will support technicians in performing mechanical repairs and interpreting the digital networks commonly found in vehicles and machinery.

Project progress:

- Technical Committee selection in progress

Step	Date
Step 1: Initial Development	July 2026 – January 2027



Further Information



Attend our upcoming Mining Matters webinar: Future Skills – Emerging trades and careers in mining



View the full scope for projects on the Annual Training Product Development Plan



Subscribe to receive project updates



Thank you

The Mining and Automotive Skills Alliance (AUSMASA) is a Jobs and Skills Council funded by the Australian Government Department of Employment and Workplace Relations.



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