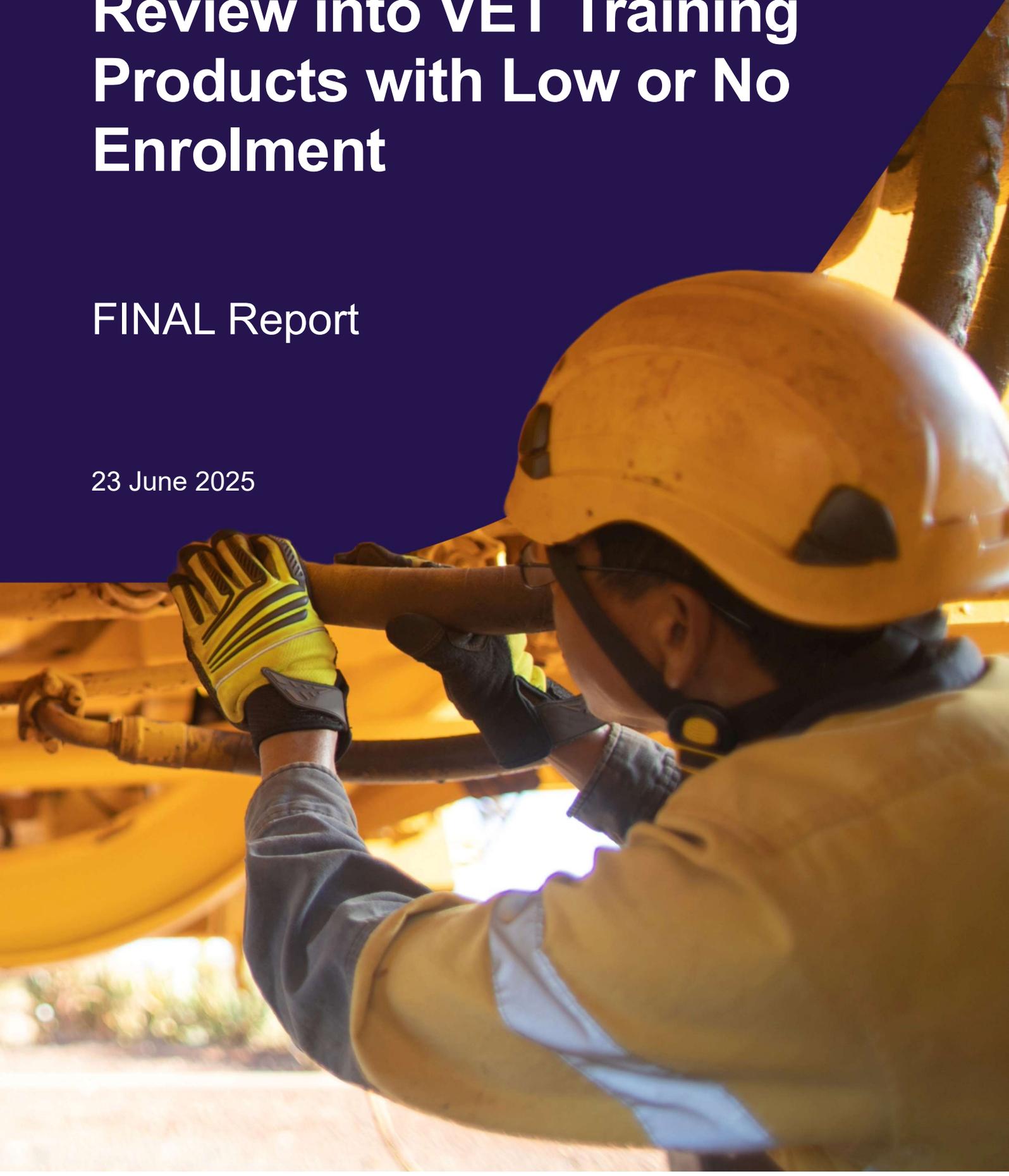


# Review into VET Training Products with Low or No Enrolment

FINAL Report

23 June 2025



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# Executive Summary

The Mining and Automotive Skills Alliance (AUSMASA) is pleased to present this Final Report for the Review into VET Training Products Low or No Enrolment Project MAA\_ANN\_2324\_004. This report builds on, but does not replicate, the Draft Report submitted against Milestone 2 on 28 April 2025. The project, which commenced in February 2024, responds to the Minister's priority to remove training products that have not been implemented within the past three years and aims to understand the reasons for low or no enrolment while eliminating redundant training products from the system.

AUSMASA reviewed training products across the three training packages within its remit: AUM Automotive Manufacturing, AUR Automotive Retail, Service and Repair, and RII Resources and Infrastructure Industry (mining), collectively referred to as "the Training Packages" throughout this report.

The RII Training Package supports both the Resources and Infrastructure industries, with AUSMASA managing the Resources sector (mining) and BuildSkills Australia (BS) overseeing the infrastructure sector (civil construction). Some training products are utilised across both industries and are, therefore, jointly managed by both Jobs and Skills Councils (JSCs). For the RII Training Package, we have added (mining) to emphasise the limited focus on mining industry training products.

Although the Minister's priority refers to the removal of training products that have not been used in the past three years, the project analysed enrolment data over a five-year period to review trends over a longer timeframe and identify anomalies that may have arisen during the years impacted by the COVID-19 pandemic, specifically 2020 and 2021.

AUSMASA conducted a data analysis of NCVER enrolment data from 2019-2023, which included 1,404 training products. The analysis confirmed significant numbers of low or no enrolment training products: 63% in AUM, 42% in AUR, and 67% in RII (mining), see [Figure 1](#) and [Figure 2](#).

A project Consultation Strategy was developed and implemented to gather feedback from stakeholders regarding the reasons for low or no enrolment in these training products and the necessity to retain those without enrolment. This included two phases that targeted both the automotive and mining sectors through public webinars, direct emails, targeted interviews, and online feedback surveys. This approach collected insights from industry associations, Registered Training Organisations (RTOs), unions, regulators, state and territory governments, and JSCs. Direct emails were sent at key points throughout the consultation to 662 automotive and 448 mining stakeholders. The consultation was also promoted through the AUSMASA Newsletter *The Journey*, (1,290 subscribers) and posts on the AUSMASA LinkedIn page (with 2,473 followers).

Key themes emerged from the stakeholder feedback, including the prevalence of alternative or in-house training pathways, low awareness of nationally accredited training, outdated or misaligned training product design, and barriers such as a lack of trainers and assessors and limited availability of funding for niche areas.

To ensure consistency and transparency, a Decision-Making Framework (DMF) was developed and applied. This framework established clear criteria for the retention or deletion of training products, considering factors such as enrolment data, RTO scope, legislative or licensing linkages and stakeholder feedback. Training Products with no enrolments from 2021 to 2023 with no evidence of COVID-19 impact have been recommended for deletion unless justified by future need or regulatory requirements.

The report's recommendations are based on a synthesis of data and stakeholder input. For automotive manufacturing, legacy qualifications and units related to passenger vehicle manufacturing are proposed for deletion, reflecting the end of local production. In automotive retail, service, and repair, recommendations find a balance between deleting obsolete training products and maintaining those essential for emerging technologies, such as electric vehicles and hybrid systems. In the mining sector, recommendations are to retain units aligned with licensing and in-house training. The mining training products suggested for deletion are subject to further consultation with BuildSkills Australia to prevent unintended consequences from removing training products from a shared training package.

This low or no enrolment project highlights the importance of ongoing review and stakeholder engagement to ensure the relevance and effectiveness of training products to meet the needs of industry and training providers. The outcomes and insights gained will inform future training product projects and support workforce development in the automotive and mining industries.

## Project Methodology

### Initial Analysis

AUSMASA confirmed the initial review through a thorough analysis of NCVER enrolment data. To ensure the data analysis captured enrolment trends, data from different releases were consolidated for qualifications, skill sets, and units of competency. The initial desktop review identified low or no enrolment training products through enrolment data over the five-year period from 2019 to 2023. This allowed for accounting of the impacts on enrolment numbers due to the COVID-19 pandemic.

The analysis identified 1,404 training products with low or no enrolments during the reporting period of 2019-2023. For this project, we have defined low enrolment as having 50 or fewer enrolments in any year within the 5-year reporting period. The outcomes of this analysis are illustrated in Figures 1 and 2.

**Figure 1 Automotive low or no enrolment analysis**





Source: VOCSTATS, <http://www.ncver.edu.au/resources/vocstats.html>,  
AUM/AUR Total VET students and courses extracted on 25/10/2024

Figure 2 Mining low or no enrolment analysis



Source: VOCSTATS, <http://www.ncver.edu.au/resources/vocstats.html>,  
RII Total VET students and courses extracted on 08/11/2024

\*Excludes RII Civil Construction or Resource and Infrastructure cross-industry training products

## Public Consultation

The Project [Consultation Strategy](#) describes the stakeholder consultation undertaken during the review of low and no enrolment qualifications. The consultation aimed to understand the:

- suitability of existing training products to meet the needs of industry and Registered Training Organisations (RTOs)
- reasons for low or no enrolments in training products across the Training Packages
- potential impacts on current learners if these products were removed from the National Training Register
- relationship of any no or low enrolment training products to Industrial Relations
- factors that may impact the ability of an RTO to offer these products
- intention of RTOs to add these products to scope.

Public consultation was conducted via the [Low or No Enrolment Review Project](#) page on the AUSMASA website. There were two separate consultation phases, one for the automotive industry stakeholders (4 December 2024 to 31 January 2025) and one for the Mining industry stakeholders (3 March to 7 April 2025).

Each consultation involved a public webinar, complemented by a pre-reading paper and a list of training products with low or no enrolment by training package. Stakeholders were

encouraged to complete a feedback survey available on the project page of the AUSMASA website throughout the public consultation period.

The public consultation was promoted through direct email, social media, and the AUSMASA Newsletter to RTOs with training products on scope, industry stakeholders, STA/SRO and JSC contacts, and AUSMASA/Project subscribers.

Details of the promotion and consultation activities are included in the Draft Report.

15 automotive and 10 mining stakeholders completed the feedback survey and provided feedback on the reasons for low or no enrolment in training products.

The main reasons given for no enrolments were the industry's use of alternative or in-house training, followed by the fact that the training product is no longer required by the industry. There are a significant number of training products where stakeholders indicated that the training product will be required in the future.

For the training products with low enrolment, the primary reason indicated was that the product is used in a niche industry sector, followed by decreasing demand and issues with the design of the training product.

## **Targeted Consultations – Automotive and Mining**

The targeted consultation focused on training products with no enrolments for the period 2019 – 2023 and was undertaken through direct engagement with stakeholders via online meetings, phone conversations and email correspondence. We targeted 18 key stakeholders and were able to interview 17, including survey respondents, industry associations, unions and Registered Training Organisations.

These consultations involved in-depth discussion about no-enrolment training products to drill down into the reasons and validate survey findings. Stakeholders were provided with a list of no-enrolment training products for their industry sub-sector to review prior to the interview.

The details of the targeted consultation are outlined in the Consultation Log (*MAA\_ANN\_2324\_004 Direct Engagement Consultation Log.xlsx*) submitted with this report. The feedback confirmed the findings from the public consultation stage of the project. Additional information was gathered concerning the alignment of training products with legislation, particularly in the coal mining and automotive air conditioning sectors.

We were able to validate with the unions that none of the no enrolment training products are included in the relevant Industry Awards. Stakeholders interviewed provided feedback on 98 no enrolment training products across the Training Packages.

We did not receive feedback from the mining industry's drilling operations sector in the public consultation feedback survey. However, we did engage with a representative from the drilling industry, and it was determined that the no enrolment drilling training products should be retained and reviewed as part of a broader examination of training products across the drilling operations sector.

## Analysis and Outcomes

This analysis synthesises the findings from the review of low or no enrolment training products and presents the outcomes of consultation. The analysis highlights potential barriers to high rates of training product delivery including the need to support niche but critical industries, the cost of nationally accredited training, particularly where there is no access to funding, employers' lack of awareness of the availability of training products, training products not being fit for purpose, and the use of in-house training.

This final analysis uses the Ministerial directive to remove training products that have not been implemented within the past three years<sup>1</sup> as the determining factor, unless the broader data set shows that uptake was disrupted during 2020 when COVID-19 restrictions were in effect.

We developed a Decision-Making Framework (DMF) to ensure rigour and consistency in applying stakeholder feedback to decide whether to retain or delete training products. The framework supports a balanced review of stakeholder feedback and the treatment of low or no enrolment training products.

### Criteria for deletion

1. There have been no enrolments for the period 2021 – 2023, and there is no evidence that enrolment is impacted by COVID-19 restrictions during 2020.
2. The training product is not on any RTO scope (units/SS listed as explicit scope on NTR)
3. Greater than 50% of survey respondents said the product is not currently required.
4. Direct industry consultation does not indicate a need to retain the training product.

### Criteria for retaining

1. The training product is on RTO scope (units/SS listed as explicit scope on NTR)
2. The training product is scheduled for review as part of an existing Training Product Project.
3. The training product is a recognised pathway to a higher-level qualification.
4. The training product is linked to licensing, Industrial Awards or legislation/standards.
5. Greater than 50% of survey respondents indicate the training product is servicing a niche industry area.
6. Greater than 50% of survey respondents said there is a future need.
7. Feedback from direct consultation supports the need to retain a training product.

### Other considerations

In addition, the project considered:

- Where feedback was contradictory and we could not clarify through direct consultation, the need to retain we have retained the training product.
- The significant use of some training products by industry as the basis for in-house non-accredited training.

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<sup>1</sup> Training Package Products Development and Endorsement Process Policy, Appendix 1, Page 26.

- Feedback from key stakeholders' views, such as unions or industry associations', was that nothing should be deleted unless it is part of a broader review.

## Outcomes

The tables below summarise the outcomes of the DMF analysis and application. The complete analysis and application of the DMF are provided in the Excel Workbook *MMA\_ANN\_2324\_004 master list low or no enrolment training products.xlsx*, submitted with this report.

**Table 1 AUM Outcomes**

	Training Products	Low or No Enrolment	Recommended for Deletion
<b>Qualifications</b>	6	5	4
<b>Skill Sets</b>	0	0	0
<b>Units</b>	59	36	12

The following AUM qualifications are recommended for deletion:

- AUM20118 Certificate II in Automotive Manufacturing Production - Passenger Motor Vehicle
- AUM30113 Certificate III in Automotive Manufacturing Technical Operations - Passenger Motor Vehicle
- AUM40113 Certificate IV in Automotive Manufacturing
- AUM50113 Diploma of Automotive Manufacturing

The following AUM units of competency are recommended for deletion:

- AUMFA002 Maintain workplace relationships:
- AUMAMA004 Coordinate automotive project activities
- AUMASM001 Monitor and maintain a safe automotive work environment
- AUMFMM001 Reduce cycle time in automotive manufacturing work processes
- AUMFMM002 Reduce waste in automotive manufacturing work processes
- AUMFMM003 Plan and organise automotive production and assembly processes
- AUMFQM002 Sustain quality standards in an automotive manufacturing workplace
- AUMFTA006 Develop research reports on vehicle design, development and production
- AUMFTA007 Evaluate vehicle design, development and production information
- AUMFTK001 Test automotive production components, equipment and systems
- AUMFTM002 Create new product designs
- AUMFTM003 Develop conceptual models and prototypes

**Table 2 AUR Outcomes**

	Training Products	Low or No Enrolment	Recommended for Deletion
<b>Qualifications</b>	47	16	0
<b>Skill Sets</b>	36	36	19
<b>Units</b>	623	245	37

The following AUR skill sets are recommended for deletion:

- AURSS00027 Automotive CNG Installation, Service and Repair
- AURSS00031 Automotive LNG Service and Repair
- AURSS00038 Mobile Plant Skill Set for Agricultural Equipment Technicians
- AURSS00041 Vehicle Air Conditioning Install and Overhaul
- AURSS00042 Vehicle Air Conditioning Installation
- AURSS00043 Vehicle Air Conditioning Overhaul
- AURSS00045 Vehicle Refrigerant Recovery
- AURSS00049 Vehicle Climate Control and HVAC Diagnostic Specialist
- AURSS00050 Vehicle Body Repair Estimator
- AURSS00051 Marine Transition
- AURSS00052 Light Vehicle Wheel Alignment
- AURSS00053 Heavy Vehicle Wheel Alignment
- AURSS00054 Light Vehicle Automatic Driveline Technology
- AURSS00055 Heavy Vehicle Automatic Driveline Technology
- AURSS00056 Light Vehicle Manual Driveline Technology
- AURSS00057 Heavy Vehicle Manual Driveline Technology
- AURSS00058 LNG Fuel Systems
- AURSS00060 CNG Fuel Systems
- AURSS00061 Motorsports Marketing

The following AUR units of competency are recommended for deletion:

- AURFA110 Identify routine problems in an automotive workplace
- AURMBA101 Transport light competition vehicles and support equipment
- AURBTA005 Restore bicycles
- AURBTA007 Provide mechanical support during cycling events
- AURBTA106 Assemble components for custom bicycles
- AURETR051 Diagnose, repair and replace precision agriculture systems
- AURHTA001 Carry out heavy vehicle pre-repair cleaning
- AURJTD001 Inspect motorcycle suspension systems
- AURJTY001 Repair and align motorcycle frames
- AURKTX103 Diagnose complex faults in mobile plant transmission and driveline systems
- AURLLD011 Determine compliance of steering and suspension modifications
- AURLTD013 Carry out advanced light vehicle wheel alignment operations
- AURLTJ104 Provide advice on the effects of light vehicle wheel and tyre combinations
- AURMCA101 Manage motor sport team media liaison
- AURMCA102 Manage motor sport team promotional partnerships and marketing
- AURMDA107 Act as a steward at motor sport events
- AURMGA101 Set up and dismantle temporary work location and equipment at motor sport events
- AURMGA102 Manage personal presentation and development in a motor sport environment
- AURMLA001 Apply motor sport rules and regulations when officiating
- AURMMA103 Manage motor sport operations

- AURMMA104 Manage motor sport team development
- AURMTA101 Prepare and service light competition vehicles
- AURMTA103 Determine material suitability for competition vehicle components
- AURPTR106 Deploy and service autonomous outdoor power equipment
- AURRTR001 Inspect, service and maintain marine battery storage systems
- AURSAA002 Maintain customer aftermarket relations
- AURSCP101 Provide information to customers on automotive refinishing products
- AURTTB012 Attach friction materials and radius grind
- AURTTC002 Repair radiators
- AURTTL015 Develop and apply gas fuel system modifications
- AURTTM001 Operate and monitor computer numerical control machines
- AURTTTS101 Fabricate exhaust systems and components
- AURTTX001 Remove and tag driveline components
- AURTTX011 Overhaul torque converters
- AURVTN112 Install vehicle sunroofs
- AURVTN140 Repair vehicle plastic components
- AURVTT006 Apply trimming adhesives

**Table 3 RII (mining) Outcomes**

	<b>Training Products</b>	<b>Low or No Enrolment</b>	<b>Potential Deletion</b>
<b>Qualifications</b>	31	10	0
<b>Skill Sets</b>	6	6	2
<b>Units</b>	384	267	17

The following RII (mining) skill sets are recommended for deletion, pending consultation with BuildSkills Australia:

- RIISS00029 Leading Hand - Coal Mining Skill Set
- RIISS00035 Underground Shotfiring - Coal Skill Set

The following RII (mining) units of competency are recommended for deletion, pending consultation with BuildSkills Australia:

- RIIRAI608D Establish quarry development
- RIIMCU201D Operate power tram
- RIIMCU202D Conduct tracked vehicle/plant operations
- RIIMCU207D Install, maintain and recover electrical services
- RIIMCU211D Install and maintain explosion barriers
- RIIMCU213E Conduct feeder breaker operations
- RIIMCU215D Operate longwall ancillary equipment
- RIIMCU216D Maintain lamp cabin operations
- RIIMCU309E Operate breaker line supports
- RIIMCU310E Conduct flexible conveyor train (FCT) operations
- RIIMCU401E Conduct special roadway operations
- RIPEO202E Provide deck support for conveyor-car high wall mining operations
- RIPEO208E Extend, retract and maintain conveyor componentry
- RIPEO301E Conduct conveyor-car high wall mining operations

- RIISAM303E Shutdown dredge for operator maintenance
- RIISAM315A Manage tyre, wheel and rim assembly applications
- RIISAM403E Commission/recommission plant

AUSMASA will consult with BuildSkills Australia to verify that there will be no impact on their stakeholders if we delete these training products from the National Register.

# Summary of Consultation Findings

This section provides a summary of consultation findings, highlighting the key themes in the feedback.

## Automotive Industries

### Summary of Consultation Findings

The public consultation provided insights into the challenges and associated opportunities for improvement across training products in the AUM and AUR Training Packages. Feedback was received from various stakeholders, including industry associations, RTOs, and other relevant bodies.

#### Consultation Findings

Stakeholder feedback consistently highlighted five themes contributing to low or no enrolments:

1. **Alternative Pathways:** The use of in-house or Original Equipment Manufacturer (OEM) training has a direct impact on the uptake of nationally accredited training across the automotive and mining industries. Many workers develop skills informally through workplace experience rather than formal qualifications. OEM training and in-house training, mapped to nationally accredited units of competency, are used as an alternative to nationally accredited training. See the [Impact of Original Equipment Manufacturers' and Non-Accredited Training in Automotive and Mining](#) section for more details.
2. **Perception of Training Products:** Awareness of nationally accredited training. Employers are not aware of products, particularly in niche industry sectors that significantly impact the automotive industry. Additionally, the industry does not consider some qualifications valuable due to their misalignment with workplace requirements. The industry often favours alternative training pathways, such as OEM or vendor-specific training, over nationally accredited qualifications.
3. **Training Product Design Issues:** Several stakeholders identified outdated or overly generic qualification designs that fail to meet current industry needs. As highlighted in Alternative Pathways above, this drives the use of non-accredited training.
4. **Lack of Trainers and Assessors:** A shortage of trainers and assessors has primarily been identified in the automotive electrical sector, particularly concerning training products for the emerging electric vehicle and battery storage sector. The niche bicycle repair sector is also impacted by a lack of trainers and assessors, with 5 Star Training & Consulting Pty Ltd reporting challenges in delivering niche qualifications like AUR20320 Certificate II in Bicycle Mechanical Technology due to a shortage of trainers with specialised skills. This aligns with feedback gathered during the Qualification Reform Design Group (QRDG) Categorisation Project consultation with TAFE QLD, which could not find a trainer to deliver the bicycle qualification.
5. **Need for Delivery Support:** Stakeholders like Bicycle Industry Association (BIA) highlighted the lack of subsidised funding for niche industry areas with limited enrolments. Stakeholders also identified the industry's lack of awareness of the availability of nationally accredited training products and the need for better education and promotion.

[Appendix 3—Consultation Feedback Summary](#) provides the complete written feedback provided by stakeholders who completed the Feedback Survey.

### **AUM Automotive Manufacturing Training Package**

The automotive manufacturing industry has two sectors: passenger and heavy vehicles (buses, trucks, and trailers). The passenger vehicle manufacturing sector is no longer active in Australia due to the offshoring of production. This is reflected in enrolment figures, with zero enrolments in qualifications aligned to the passenger vehicle manufacturing sector over the five years from 2019 to 2023. These include:

- AUM20118 Certificate II in Automotive Manufacturing Production - Passenger Motor Vehicle
- AUM30113 Certificate III in Automotive Manufacturing Technical Operations - Passenger Motor Vehicle
- AUM40113 Certificate IV in Automotive Manufacturing
- AUM50113 Diploma of Automotive Manufacturing

No feedback on these qualifications was received during the public consultation. There is no record of the Certificate IV or the Diploma being included in the scope for any RTO, and the Certificate II and Certificate III passenger vehicle qualifications were removed from the scope of one RTO in 2022 and 2019, respectively.

Stakeholder feedback during the direct consultation stage suggests that the passenger vehicle manufacturing qualifications mentioned above are legacy training products from a time when Australia manufactured passenger vehicles. These qualifications are no longer necessary, and therefore, using the DMF outlined earlier, have been identified for deletion.

AUM20218 – Certificate II in Automotive Manufacturing Production – Bus, Truck and Trailer recorded low enrolments over the five years from 2019 to 2023. This qualification is currently offered only in Western Australia, where it provides a pathway to employment or further study, particularly into AUM30218 – Certificate III in Automotive Manufacturing Production – Bus, Truck and Trailer. This qualification will therefore be retained.

Although AUM30218 Certificate III in Automotive Manufacturing Technical Operations - Bus, Truck and Trailer is not within the scope of this project (as enrolments were in excess of 50 each year from 2019 to 2023), stakeholders note that the heavy vehicle manufacturing industry regards fabrication as the most crucial skill, and MEM31922 - Certificate III in Engineering - Fabrication Trade is more widely recognised by the industry than AUM30218. Additionally, in NSW, MEM31922 - Certificate III in Engineering - Fabrication Trade serves as the licensing pathway.

The Automotive Training Board NSW noted that many in the sector developed skills on the job rather than through formal training. Certificates II and III for Bus, Truck, and Trailer were complex to deliver due to low student numbers and insufficient provider engagement, leading to economic viability issues.

Emerging technologies also impact the bus, truck, and trailer manufacturing sector, particularly heavy trailer manufacturing.

## AUR Automotive Retail, Service, and Repair Training Package Electric Vehicle

Stakeholders stressed the importance of retaining qualifications in emerging areas such as electric vehicles (EVs) and hybrid technology despite low enrolment numbers due to anticipated future demand. EV-related skill sets are critical as zero-emission vehicles grow in market share. This is consistent with feedback from consultation for the QRDG Categorisation Project and Workforce Plan Roundtable sessions. Training products highlighted are:

- AUR30320 Certificate III in Automotive Electrical Technology
- AUR40216 Certificate IV in Automotive Mechanical Diagnosis
- AUR40620 Certificate IV in Automotive Electrical Technology
- Skill sets and units related to hybrid/EV systems

Several training products with no enrolments have been identified as having a future need. In some instances, contradictory feedback states that the training product is not currently required; however, we have decided to retain these, listed below, to ensure that skill needs for emerging areas are supported.

- AURETH015 Diagnose, remove and replace heavy electric vehicle rechargeable energy storage systems
- AURETH016 Diagnose and repair complex faults in battery electric vehicle powertrains
- AURETH114 Diagnose complex faults in hybrid and battery electric vehicle network management systems

### Bicycle Service and Repair

This is a small industry area, with stakeholders like BIA noting that it remains a niche sector with limited growth potential due to its size. However, stakeholders also highlighted that the occupation's growth is expanding as e-bikes gain popularity.

A lack of funding has constrained enrolments in AUR20320 Certificate II in Bicycle Mechanical Technology. However, BIA highlighted the growing demand for bicycle mechanics following its recognition as an ANZSCO Level 3 skill. This is evidenced by the recent addition of this qualification to the NSW Skills List, which is expected to boost enrolments.

### Mechanical Heavy Vehicle

Stakeholders emphasised the need for multi-skilled workers who can transition between light and heavy vehicle roles, especially as electrification expands.

- The light vehicle sector includes passenger cars, goods-carrying vehicles (e.g., utes and vans) and special work vehicles with a GVM of 4.5 tonnes or less<sup>2</sup>.

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<sup>2</sup> VicRoads, myVicRoads Partner Account - Light Vehicles, viewed 22 April 2025, <https://www.vicroads.vic.gov.au/online-services/help-centre/partner-help-centre/new-registration-help/light-vehicles>

- Heavy vehicles include rigid trucks, combination trucks such as B-Doubles and B-Triples, special purpose vehicles, heavy trailers and heavy buses with a GVM exceeding 4.5 tonnes<sup>3</sup>.

Multiskilling is particularly prevalent in industries such as mining, where the remote work location means that having multi-skilled workers has significant benefits. Further, advanced technology used in vehicles and plant machinery requires automotive electrical skills to undertake basic maintenance and repair on this equipment.

The AUSMASA 2024 Mining Industry Workforce Plan (Page 27) discusses the transition to electrification in the mining industry<sup>4</sup>, noting that this requires upskilling heavy diesel mechanics and Light Vehicle technicians across sectors. However, this is not reflected in skill sets that support upskilling across these sectors, which have had no enrolment for 2019 - 2023.

- AURSS00036 Heavy Commercial Vehicle Skill Set for Light Vehicle Technicians
- AURSS00038 Mobile Plant Skill Set for Agricultural Equipment Technicians
- AURSS00039 Mobile Plant Skill Set for Heavy Commercial Vehicle Technicians
- AURSS00040 Mobile Plant Skill Set for Light Vehicle Technicians

Stakeholder feedback indicates industry uses alternative pathways for upskilling workers.

### **Motor Sports**

The motorsports sector is a niche yet important industry with a limited number of training providers. Motorsports attract participants from across Australia and internationally, and the sector is attracting several female students wanting to get into the industry. Wodonga TAFE advised that the industry often approaches them looking for people, and many students leave training to take up employment before completing their qualifications.

There are several motor sports units with no enrolments, particularly in sports event skills such as managing, officiating, and stewarding. These roles are generally filled by volunteers and do not utilise the AUR30920 Certificate III in Motor Sport Technology, where these units are packaged as electives.

### **Specialist Areas**

Airconditioning, marine, and outdoor power equipment are identified as specialist areas with low enrolments but ongoing industry need. Stakeholders recommend retaining these units/qualifications due to their relevance for niche sectors.

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<sup>3</sup> National Heavy Vehicle Regulator, What is a heavy vehicle?, viewed 24 April 2025, <https://www.nhvr.gov.au/about-us/who-we-are/what-is-a-heavy-vehicle>.

<sup>4</sup> AUSMASA. (2024). [Mining Industry Workforce Plan 2024](#). Mining and Automotive Skills Alliance. p. 27

## Mining Industry

### Summary of Consultation Findings

The public consultation for the mining industry was conducted using five separate Feedback Surveys: coal mining, metalliferous mining, drilling, quarrying, and cross-industry mining. Stakeholders provided detailed feedback on the relevance, challenges, and opportunities associated with training products in their subsectors. Note that we did not receive input from drilling stakeholders.

#### Consultation Findings

Stakeholder feedback highlighted four themes contributing to low or no enrolments:

##### Relevance of Training Products:

- Coal mining stakeholders emphasised the need for updated competencies addressing automation and advanced safety technologies. They also noted that many qualifications do not reflect current industry needs.
- Metalliferous mining stakeholders identified gaps in training for modern processing techniques.
- Quarrying stakeholders raised concerns about cross-industry units not meeting specific operational needs.

##### Emerging Skill Needs:

- Stakeholders highlighted technological advancements such as equipment electrification and sustainability practices. Training products highlighted are:
  - RII40520 Certificate IV in Resource Processing
  - RII40320 Certificate IV in Metalliferous Mining Operations (Underground)
  - RII60720 Advanced Diploma of Surface Coal Mining Management
  - RII60520 Advanced Diploma of Metalliferous Mining Management
  - RIISS00030 Explosion Protected Diesel Engine Systems Maintenance
  - RIISS00033 Underground Coal Mine Safety Skill Set
  - RIISS00036 Underground Mining Skill Set
- Stakeholders emphasised the need to update qualifications and skill sets due to the rapid adoption of automation, electrification, and remote operations in mining.
- Stakeholders highlighted the necessity for management-level qualifications (Diploma and Advanced Diploma) to align with new regulatory requirements and technological competencies.
- Metalliferous mining stakeholders noted that modern processing techniques have made some units obsolete, while others require revision to include current plant automation and control systems.
- Cross-sector units related to autonomous and remote operations are increasingly offered through non-accredited pathways (e.g., drone licences), revealing a gap in accredited training for these technologies.

##### Barriers to Delivery:

- Stakeholders across all sub-sectors noted challenges such as a lack of qualified trainers and geographical accessibility issues.
- TAS TAFE emphasised financial barriers preventing learners from accessing training.
- Industry use of non-accredited in-house training.

### Alternative Pathways:

- Stakeholders reported the mining industry's preference for non-accredited or tailored in-house training. The mining industry develops in-house training using nationally accredited units of competency. The expense of nationally accredited training was identified as a reason for developing in-house training. Nationally accredited training is being used where there is a legislative or licensing requirement for workers to hold the training product.
- A lack of awareness among employees about available training products was also noted by stakeholders.

### Mining Industry Insights

The mining sector is significantly impacted by in-house non-accredited training. As mentioned earlier in this report, accredited training is used for trades and to meet licensing requirements. Through our Industry Engagement area, AUSMASA is in ongoing discussions with major mining employers to understand their in-house training and use of nationally accredited training products. One insight is that in-house training allows them to contextualise training to their internal processes and applications. In some instances, related to operating equipment, they contextualise the training to their models, providing greater detail.

Feedback on Coal Mining training products from Resource Safety and Health Queensland (RSHQ) advised that the *Recognised Standard 16: The use and control of polymeric chemicals at underground coal mines* prescribes training for coal mine workers in the safe use and storage of polymeric chemicals. This standard should drive future uptake of these units in Queensland. Therefore, the no enrolment units listed below should be retained:

- RIIMCU218 Work safely with polymeric chemicals in underground coal mining
- RIIMCU312 Conduct polymeric chemical operations in underground coal mining
- RIIMCU313 Mix and pump polymeric chemicals in underground coal mining
- RIIMCU314 Transport and store polymeric chemicals in underground coal mining
- RIIMCU409 Apply and monitor polymeric chemical management plans

### RII Resources and Infrastructure Training Package

Although we have taken great care to separate training products shared with BuildSkills and the Civil Infrastructure sector, we are mindful that deleting products from this training package may have unintended consequences, as we are in the early stages of navigating the shared training package model.

### Impact of Original Equipment Manufacturers' and Non-Accredited Training in Automotive and Mining

The AUSMASA 2024 Workforce Plan discusses the role of OEMs in providing non-accredited training, often used to upskill technicians to become Master Technicians<sup>5</sup>. This training is manufacturer-specific and may limit workforce mobility or recognition by other employers. The workforce plan notes that the AUR training package has qualifications at the Certificate IV and Diploma levels designed to assist technicians in developing their technical and

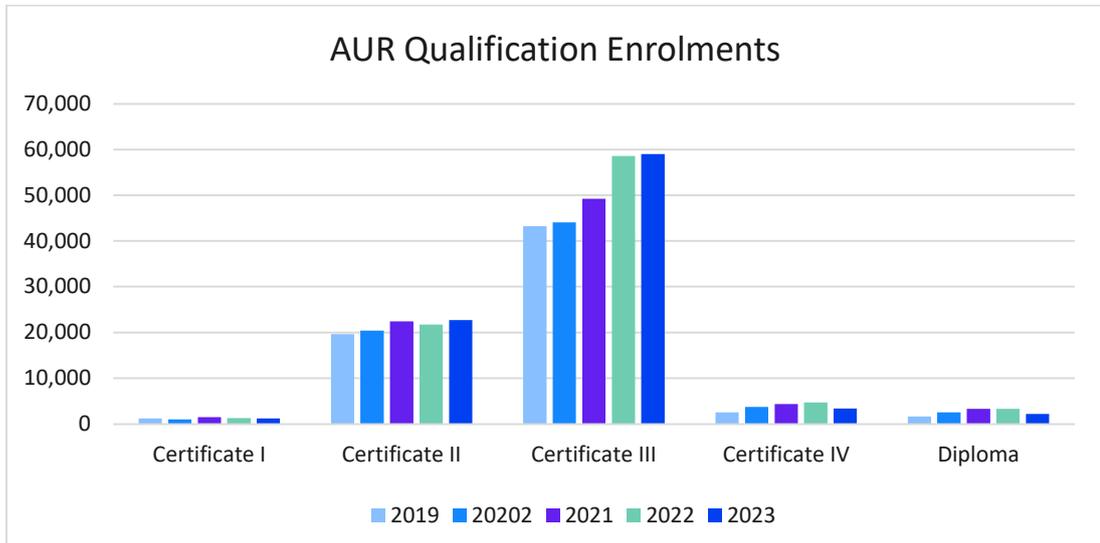
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<sup>5</sup> AUSMASA. (2024). Automotive Industry Workforce Plan 2024. Mining and Automotive Skills Alliance. p. 32.

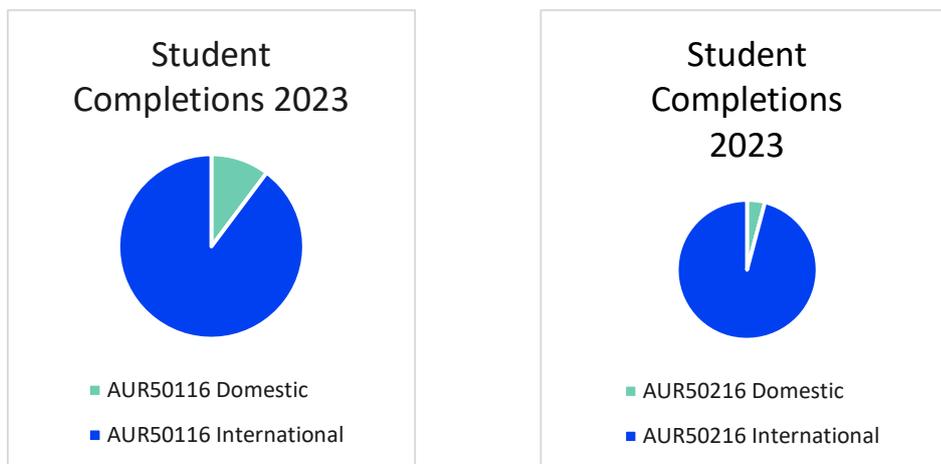
supervisory skills, however, these qualifications are almost entirely used by international students, with local technicians often relying on OEM and other non-accredited training<sup>6</sup>.

This is reflected in the enrolment data in Figure 4, which highlights significantly higher enrolments by international students in the AUR50116 Diploma of Automotive Management and the AUR50216 Diploma of Automotive Technology.

**Figure 3 Enrolment data**



**Figure 4 Domestic v international student enrolments**



An example from the bicycle industry demonstrates that OEM training impacts across all sectors. The largest bike retailer, 99 Bikes, previously put technicians through Queensland TAFE but the withdrawal of federal funding changed their focus. They now use non-accredited training, [Cytech](#) from the UK. This training includes modules covering e-bikes and

<sup>6</sup> AUSMASA. (2024). Automotive Industry Workforce Plan 2024. Mining and Automotive Skills Alliance. p. 33

lithium-ion battery safety and is updated regularly to keep up with new technologies in the industry.

OEM training provides the automotive industry with an alternative to nationally accredited training. This was highlighted during stakeholder consultations; for instance, in the light vehicle sector, OEM training acts as the primary alternative training pathway (Automotive Training Board NSW). Feedback gathered during both the public and direct consultation phases of this project further validated this—see [Appendix 3—Consultation Feedback Summary](#). This also reflects the feedback obtained from automotive stakeholders during consultations on the QRDG Categorisation Project.

Nationally accredited training is primarily used by the industry for trade qualifications and to meet licensing or regulatory requirements. OEM-specific training often supplants nationally accredited training, leading to a perception that specific qualifications are underutilised (MTA SA/NT). Moreover, there is limited awareness and funding for niche skill sets, which hinders enrolments (BIA).

Based on feedback regarding the use of training products for in-house training, we have decided to retain these no enrolment products identified for this purpose. While enrolment data indicates no uptake of these training products, they are being utilised by the industry, which expects us to continue maintaining them. This raises two important questions:

1. Should NCVET enrolment be the sole measure of usage when determining if training products need to be retained on NTR?
2. Is it intended that the national training system maintains training products for use by the industry?

# Recommendations

The recommendations listed below have been determined through the synthesis of data collected via the consultation feedback surveys and direct consultation. This information was used to inform a review of low or no enrolment training products through the lens of the DMF described in the [Final Analysis Consultation Feedback](#) section of this report.

## AUM Automotive Manufacturing Training Package

### Passenger Vehicle Manufacturing

Delete legacy passenger vehicle manufacturing qualifications and related units no longer relevant to the current Australian automotive industry.

Qualifications:

- AUM20118 Certificate II in Automotive Manufacturing Production - Passenger Motor Vehicle
- AUM30113 Certificate III in Automotive Manufacturing Technical Operations - Passenger Motor Vehicle
- AUM40113 Certificate IV in Automotive Manufacturing
- AUM50113 Diploma of Automotive Manufacturing

Units of Competency:

- AUMFA002 Maintain workplace relationships:
- AUMAMA004 Coordinate automotive project activities
- AUMASM001 Monitor and maintain a safe automotive work environment
- AUMFMM001 Reduce cycle time in automotive manufacturing work processes
- AUMFMM002 Reduce waste in automotive manufacturing work processes
- AUMFMM003 Plan and organise automotive production and assembly processes
- AUMFQM002 Sustain quality standards in an automotive manufacturing workplace
- AUMFTA006 Develop research reports on vehicle design, development and production
- AUMFTA007 Evaluate vehicle design, development and production information
- AUMFTK001 Test automotive production components, equipment and systems
- AUMFTM002 Create new product designs
- AUMFTM003 Develop conceptual models and prototypes

### Heavy Vehicle Manufacturing (Bus, Truck and Trailer)

- Stakeholder feedback low about heavy vehicle manufacturing qualifications will inform any future review of the bus, truck, and trailer manufacturing training products.

## AUR Automotive Retail, Service and Repair Training Package

### Automotive Electrical Sector

Delete the following no enrolment automotive electrical training products:

Skill Sets:

- AURSS00041 Vehicle Air Conditioning Install and Overhaul
- AURSS00042 Vehicle Air Conditioning Installation

- AURSS00043 Vehicle Air Conditioning Overhaul
- AURSS00045 Vehicle Refrigerant Recovery
- AURSS00049 Vehicle Climate Control and HVAC Diagnostic Specialist

Units of Competency:

- AURETR051 Diagnose, repair and replace precision agriculture systems

Retain emerging EV sector training products with no enrolment:

- AURETH015 Diagnose, remove and replace heavy electric vehicle rechargeable energy storage systems
- AURETH016 Diagnose and repair complex faults in battery electric vehicle powertrains
- AURETH114 Diagnose complex faults in hybrid and battery electric vehicle network management systems

Retain the following no enrolment automotive electrical unit currently under review as part of the Advanced Driver Assistance Systems Project:

- AURETR049 Install in-vehicle entertainment and convenience

## **Bicycle Repair Sector**

Delete the following no enrolment units of competency:

- AURBTA005 Restore bicycles
- AURBTA106 Assemble components for custom bicycles

Retain the no enrolment electric bicycle skill set. This is in response to stakeholder feedback regarding increased future demand due to the expanding use of e-bikes and a growing need for bicycle mechanics, alongside the addition of this occupation to the NSW Skills List.

- AURSS00062 Electric Bicycles

## **Body Repair Sector**

Delete the following no or low enrolment training Products:

Skill Sets:

- AURSS00027 Automotive CNG Installation, Service and Repair
- AURSS00050 Vehicle Body Repair Estimator

Units of Competency:

AURVTN112 Install vehicle sunroofs

AURVTN140 Repair vehicle plastic components

AURVTT006 Apply trimming adhesives

Retain the following training Products identified as having future demand:

Skill Sets:

- AURSS00046 Advanced Body Repair Welding
- AURSS00048 Advanced Vehicle Refinishing

### Units of Competency

- AURVTN043 Install external vehicle equipment
- AURVTN143 Identify and repair high strength aluminium components

Retain the no enrolment Vehicle Loss Assessing training products in line with feedback from the one training provider using these products. The RTO is working to engage industry in using these products and anticipates future demand.

### Qualifications:

- AUR40520 Certificate IV in Vehicle Loss Assessing

### Units of Competency:

- AURVLA001 Identify and report vehicle claim fraud indicators
- AURVNA001 Provide vehicle loss assessments and identify repair requirements
- AURVNA002 Provide vehicle total loss assessments
- AURVNA004 Apply insurance industry knowledge to vehicle loss assessments
- AURVNA006 Identify and value vehicle salvage
- AURVNA107 Apply automotive mechanical and electrical knowledge to vehicle loss assessments

## Marine Sector

Delete the following no or low enrolment units of competency:

- AURPTR106 Deploy and service autonomous outdoor power equipment
- AURRTR001 Inspect, service and maintain marine battery storage systems

Retain the following no enrolment training products identified as having future need:

### Units of Competency:

- AURRTR108 Diagnose and repair marine network electronic control systems

## Mechanical (Heavy Vehicle/Light Vehicle/Miscellaneous/Mobile Plant)

Delete the following no enrolment training products:

### Skill Sets:

- AURSS00038 Mobile Plant Skill Set for Agricultural Equipment Technicians
- AURSS00053 Heavy Vehicle Wheel Alignment
- AURSS00055 Heavy Vehicle Automatic Driveline Technology
- AURSS00057 Heavy Vehicle Manual Driveline Technology

### Units of Competency:

- AURHTA001 Carry out heavy vehicle pre-repair cleaning

## Motor sports Sector

Delete the following no-enrolment motor sports training products.

Skill Sets:

- AURSS00061 Motorsports Marketing

Units of Competency

- AURMBA101 Transport light competition vehicles and support equipment
- AURMCA101 Manage motor sport team media liaison
- AURMCA102 Manage motor sport team promotional partnerships and marketing
- AURMDA107 Act as a steward at motor sport events
- AURMGA101 Set up and dismantle temporary work location and equipment at motor sport events
- AURMGA102 Manage personal presentation and development in a motor sport environment
- AURMLA001 Apply motor sport rules and regulations when officiating
- AURMMA103 Manage motor sport operations
- AURMMA104 Manage motor sport team development
- AURMTA101 Prepare and service light competition vehicles
- AURMTA103 Determine material suitability for competition vehicle components

## Sales, Parts, Administration and Management

Delete the following no enrolment units of competency:

- AURSAA002 Maintain customer aftermarket relations
- AURSCP101 Provide information to customers on automotive refinishing products

Retain the following no enrolment qualification which is currently on scope of three RTOs:

AUR20116 Certificate II in Automotive Administration

## AUR Common cross-sector

Delete the following unit of competency identified as not currently required:

- AURAF110 Identify routine problems in an automotive workplace

## RII Resources and Infrastructure (mining) Training Package

AUSMASA and BuildSkills Australia are in the final stages of confirming the division of the RII training package components; thus, we will conduct further consultation with BuildSkills to ensure there are no unintended consequences from deleting the training products listed below.

### Coal Mining

Potential deletion of the following coal mining training products:

Skill Sets:

- RIISS00029 Leading Hand - Coal Mining Skill Set
- RIISS00035 Underground Shotfiring - Coal Skill Set

Units of Competency:

- RIIMCU201D Operate power tram
- RIIMCU202D Conduct tracked vehicle/plant operations
- RIIMCU207D Install, maintain and recover electrical services
- RIIMCU211D Install and maintain explosion barriers
- RIIMCU213E Conduct feeder breaker operations
- RIIMCU215D Operate longwall ancillary equipment
- RIIMCU216D Maintain lamp cabin operations
- RIIMCU309E Operate breaker line supports
- RIIMCU310E Conduct flexible conveyor train (FCT) operations
- RIIMCU401E Conduct special roadway operations
- RIPEO202E Provide deck support for conveyor-car high wall mining operations
- RIPEO208E Extend, retract and maintain conveyor componentry
- RIPEO301E Conduct conveyor-car high wall mining operations
- RIISAM315A Manage tyre, wheel and rim assembly applications
- RIISAM403E Commission/recommission plant

Retain the following no enrolment coal mining units which are linked to NSW Coal Mining Recognised Standard (RS) or identified as having a future need:

- RIIMCU218 Work safely with polymeric chemicals in underground coal mining (RS)
- RIIMCU312 Conduct polymeric chemical operations in underground coal mining (RS)
- RIIMCU313 Mix and pump polymeric chemicals in underground coal mining (RS)
- RIIMCU314 Transport and store polymeric chemicals in underground coal mining (RS)
- RIIMCU409 Apply and monitor polymeric chemical management plans (RS)
- RIIMPO501D Implement, monitor, rectify and report on mobile plant and equipment systems
- RIIRAI505D Implement the surface mine mechanical plant management plan
- RIIRAI507D Implement the underground coal mine mechanical plant management plan
- RIIRAI510D Implement, monitor, rectify and report on interfaces between electrical and mechanical componentry
- RIIRAI602D Establish and maintain mine mechanical plant, services and infrastructure systems

- RIIRAI605D Establish and maintain an underground mine mechanical plant management system
- RIIRAI610D Establish and maintain mechanical standard/engineering
- RIIRAI611D Establish and maintain a surface mine mechanical plant management system

## **Drilling Industry**

Retain the following no enrolment drilling industry training products pending the outcomes of current industry engagement with drilling stakeholders.

- RIISS00038 Oil and Gas (Off Shore) Rouseabout Skill Set
- RIINHB220 Assist coil tube drilling
- RIINHB221 Assist rotary air drilling
- RIINHB222 Assist sonic drilling operations
- RIINHB223 Prepare, run and cement casing
- RIINHB326 Conduct coil tube drilling
- RIINHB327 Conduct cyber chair drilling operations
- RIINHB328 Conduct rotary air drilling
- RIINHB329 Conduct sonic drilling operations
- RIINHB411E Construct artesian (flowing) aquifer bores
- RIINHB412D Construct geothermal wells
- RIISV304E Prepare well servicing fishing operations

## **Extractive Industries**

Retain the following low or no enrolment extractive industry units identified as being used by industry for in-house training:

- RIIMEX204D Conduct workboat/barge operations
- RIIMEX303 Conduct local geotechnical risk control in surface operations
- RIIMEX402E Supervise dredging operations
- RIIMEX407 Apply and monitor the ground control management plan
- RIIMEX408 Supervise overburden dump operations
- RIIRAI607D Establish quarry operations practices for transport/production equipment
- RIIRAI608D Establish quarry development
- RIISAM303E Shutdown dredge for operator maintenance
- RIISTD401 Monitor quarry laboratory operations and the quality of results

## **Metalliferous Mining**

Retain the following metalliferous mining no enrolment units identified as being used by industry for in-house training:

- RIIEGS304E Mobilise equipment and materials
- RIIHAN401D Organise and monitor wharf/terminal operations
- RIIMPO201E Operate roller/compactor underground
- RIIPBE302D Conduct bacterial oxidation
- RIIUND204D Refuel vehicles/machines underground

## RII Cross mining industry

Retain the following cross mining sector no enrolment units identified as having a future need or being used by industry for in-house training:

- RIIARO301 Work safely in autonomous environments
- RIIARO302 Work safely with remotely piloted aircraft systems
- RIIARO303 Operate equipment in autonomous environments
- RIIARO304 Coordinate and interact with autonomous systems
- RIIARO305 Build and maintain routes for autonomous operations
- RIIARO306 Respond to obstructions to autonomous operations
- RIIARO307 Activate and deactivate autonomous systems
- RIIARO401 Supervise autonomous operations
- RIIBLA307E Conduct a blast survey
- RIICAR301D Rehabilitate exploration site
- RIIMEX504 Implement the ground control management plan
- RIIUND208E Conduct skip operations
- RIIUND209E Operate automated winder
- RIIUND302E Conduct cage operations
- RIIUND303E Operate winder for shaft sinking
- RIIWBP501D Implement site waste and by-product management plan
- RIIWBP502D Plan and monitor recycled material operations

# Appendix 1 – Low or No Enrolment Training Products

In the tables below:

- The column 'Superseded units' uses the following abbreviations:
  - C for Core Unit
  - E or Elective Unit.
- Training products with strong enrolment uptick in the last two years of the data set, 2022 and 2023, are identified by an \* and italics.

The tables below show the low or no enrolment training products along with the recommended action

## AUM – Automotive Manufacturing Training Package

### AUM Qualifications and Recommended Actions

Table A1 AUM Qualifications with No Enrolments

Code	Qualification	2019	2020	2021	2022	2023	Superseded units	Action
AUM20118	Certificate II in Automotive Manufacturing Production - Passenger Motor Vehicle	0	0	0	0	0	7 E	Delete
AUM30113	Certificate III in Automotive Manufacturing Technical Operations - Passenger Motor Vehicle	0	0	0	0	0	21 E	Delete
AUM40113	Certificate IV in Automotive Manufacturing	0	0	0	0	0	1 C / 28 E	Delete
AUM50113	Diploma of Automotive Manufacturing	0	0	0	0	0	9 E	Delete

Table A2 AUM Qualifications with Low Enrolments

Code	Qualification	2019	2020	2021	2022	2023	Superseded units	Action
AUM20218	Certificate II in Automotive Manufacturing Production - Bus, Truck and Trailer	41	31	28	8	13	6 E	Retain

**Table A3 AUM Units of Competency with No Enrolments**

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AUMFA002 Maintain workplace relationships	0	0	0	0	0	Delete
AUMAMA001 Contribute to production goals	0	0	0	0	0	Retain
AUMAMA004 Coordinate automotive project activities	0	0	0	0	0	Delete
AUMASM001 Monitor and maintain a safe automotive work environment	0	0	0	0	0	Delete
AUMFMM001 Reduce cycle time in automotive manufacturing work processes	0	0	0	0	0	Delete
AUMFMM002 Reduce waste in automotive manufacturing work processes	0	0	0	0	0	Delete
AUMFMM003 Plan and organise automotive production and assembly processes	0	0	0	0	0	Delete
AUMFQM001 Apply continuous improvement in automotive manufacturing	0	0	0	0	0	Retain
AUMFQM002 Sustain quality standards in an automotive manufacturing workplace	0	0	0	0	0	Delete
AUMFTA006 Develop research reports on vehicle design, development and production	0	0	0	0	0	Delete
AUMFTA007 Evaluate vehicle design, development and production information	0	0	0	0	0	Delete
AUMFTK001 Test automotive production components, equipment and systems	0	0	0	0	0	Delete
AUMFTM002 Create new product designs	0	0	0	0	0	Delete
AUMFTM003 Develop conceptual models and prototypes	0	0	0	0	0	Delete
AUMGTD001 Perform wheel alignment operations	0	0	0	0	0	Retain

**Table A4 AUM Units of Competency with Low Enrolments**

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AUMABA012 Operate load shifting equipment	0	0	0	0	5	Retain
AUMAMA002 Work effectively in teams	181	26	18	5	14	Retain
AUMAMM001 Influence and lead work groups in an automotive manufacturing workplace	0	2	0	0	0	Retain
AUMASA011 Apply safe work practices in the automotive manufacturing environment	0	33	27	7	14	Retain
AUMATA008 Produce drawings manually	43	0	0	0	0	Retain
AUMFBM001 Prepare and process automotive materials and components	27	23	24	9	13	Retain
AUMGCA001 Provide customer service	42	18	29	40	29	Retain
AUMGMA001 Participate in workplace productivity improvement processes	16	42	47	44	62	Retain
AUMGTA002 Service vehicle after assembly	16	2	10	11	15	Retain
AUMGTB011 Assemble, install and test braking system kits	6	29	47	54	39	Retain
AUMGTM007 Assemble, install and test pneumatic system kits	40	54	80	33	58	Retain
AUMGTM013 Install or replace mechanical units and assemblies	0	37	44	24	54	Retain
AUMGTN001 Replace and repair vehicle body panels and fittings	55	48	37	68	33	Retain
AUMGTP001 Finish and paint vehicle body and part surfaces	48	28	28	24	20	Retain
AUMGTP002 Rework vehicle paint faults	3	0	0	0	0	Retain
AUMGTR001 Install and replace vehicle electrical units and assemblies	13	3	0	0	0	Retain
AUMGTR002 Manufacture and modify vehicle wiring harnesses	58	44	68	63	88	Retain
AUMGTS003 Fabricate plugs	19	23	27	26	32	Retain
AUMGTT001 Apply trim to vehicle components	59	40	65	75	33	Retain
AUMGTW003 Perform manual metal arc welding	55	47	56	57	60	Retain
AUMGTY001 Paint vehicle chassis and panels	33	63	75	36	38	Retain

# AUR – Automotive Retail, Service and Repair Training Package

## AUR Qualifications and Recommended Actions

**Table A5 AUR Qualifications with No Enrolments**

Code	Qualification	2019	2020	2021	2022	2023	Superseded units	Action
AUR20116	Certificate II in Automotive Administration	0	0	0	0	0	3 C / 8 E	Retain

**Table A6 AUR Qualifications with Low Enrolments**

Code	Qualification	2019	2020	2021	2022	2023	Superseded units	Action
AUR20320	Certificate II in Bicycle Mechanical Technology	64	24	67	60	41	2 E	Retain
AUR21020	Certificate II in Motor Sport Technology	22	37	20	0	0	1 E	Retain
AUR21120	Certificate II in Automotive Sales	10	3	3	2	6	3 E	Retain
AUR21520	Certificate II in Automotive Cylinder Head Reconditioning	137	103	49	44	42	1 E	Retain
AUR21820	Certificate II in Automotive Steering and Suspension System Technology	19	43	65	86	93	None	Retain
AUR22021	Certificate II in Automotive Accessory Fitting	0	0	0	0	12	1 E	Retain
AUR30116	Certificate III in Automotive Administration	37	25	42	55	47	4 C / 9 E	Retain
AUR31420	Certificate III in Automotive Diesel Fuel Technology	24	19	37	26	23	None	Retain
AUR31820	Certificate III in Heavy Commercial Trailer Technology	46	40	60	54	55	None	Retain
*AUR32721	<i>Certificate III in Automotive Electric Vehicle Technology</i>	0	0	0	3	68	1 C / 13 E	Retain
AUR40116	Certificate IV in Automotive Management	148	74	33	28	34	3 C / 6 E	Retain
AUR40320	Certificate IV in Motor Sport Technology	4	3	12	7	8	2 E	Retain
AUR40520	Certificate IV in Vehicle Loss Assessing	15	12	0	0	0	1 E	Retain
AUR40620	Certificate IV in Automotive Electrical Technology	23	22	49	41	63	4 E	Retain
AUR40720	Certificate IV in Automotive Body Repair Technology	25	18	7	11	12	3 E	Retain

## AUR Skill Sets

Table A7 AUR Skill Sets with No Enrolments

Code	Skill Set	2019	2020	2021	2022	2023	Superseded units	Action
AURSS00026	Percussive Drill Maintenance and Advanced Systems Diagnosis	0	0	0	0	0	3 of 3 units	Retain
AURSS00031	Automotive LNG Service and Repair	0	0	0	0	0	2 of 2 units	Delete
AURSS00036	Heavy Commercial Vehicle Skill Set for Light Vehicle Technicians	0	0	0	0	0	11 of 12 units	Retain
AURSS00038	Mobile Plant Skill Set for Agricultural Equipment Technicians	0	0	0	0	0	5 of 7 units	Delete
AURSS00039	Mobile Plant Skill Set for Heavy Commercial Vehicle Technicians	0	0	0	0	0	7 of 8 units	Retain
AURSS00040	Mobile Plant Skill Set for Light Vehicle Technicians	0	0	0	0	0	9 of 11 units	Retain
AURSS00041	Vehicle Air Conditioning Install and Overhaul	0	0	0	0	0	None	Delete
AURSS00042	Vehicle Air Conditioning Installation	0	0	0	0	0	None	Delete
AURSS00043	Vehicle Air Conditioning Overhaul	0	0	0	0	0	None	Delete
AURSS00045	Vehicle Refrigerant Recovery	0	0	0	0	0	1 of 1 unit	Delete
AURSS00046	Advanced Body Repair Welding	0	0	0	0	0	2 of 3 units	Retain
AURSS00048	Advanced Vehicle Refinishing	0	0	0	0	0	5 of 5 units	Retain
AURSS00049	Vehicle Climate Control and HVAC Diagnostic Specialist	0	0	0	0	0	3 of 4 units	Delete
AURSS00050	Vehicle Body Repair Estimator	0	0	0	0	0	1 of 3 units	Delete
AURSS00051	Marine Transition	0	0	0	0	0	4 of 6 units	Delete
AURSS00052	Light Vehicle Wheel Alignment	0	0	0	0	0	1 of 4 units	Delete
AURSS00053	Heavy Vehicle Wheel Alignment	0	0	0	0	0	1 of 4 units	Delete
AURSS00054	Light Vehicle Automatic Driveline Technology	0	0	0	0	0	None	Delete
AURSS00055	Heavy Vehicle Automatic Driveline Technology	0	0	0	0	0	None	Delete
AURSS00056	Light Vehicle Manual Driveline Technology	0	0	0	0	0	None	Delete
AURSS00057	Heavy Vehicle Manual Driveline Technology	0	0	0	0	0	None	Delete
AURSS00058	LNG Fuel Systems	0	0	0	0	0	None	Delete
AURSS00060	CNG Fuel Systems	0	0	0	0	0	None	Delete
AURSS00061	Motorsports Marketing	0	0	0	0	0	2 of 4	Delete
AURSS00062	Electric Bicycles	0	0	0	0	0	None	Retain
AURSS00063	Battery Electric Vehicle Diagnose and Repair	0	0	0	0	0	None	Retain

**Table A8 AUR Skill Sets with Low Enrolments**

Code	Skill Set	2019	2020	2021	2022	2023	Superseded units	Action
AURSS00027	Automotive CNG Installation, Service and Repair Skill Set	0	15	0	0	0	1 of 3	Delete
AURSS00028	Automotive CNG Service and Repair Skill Set	34	0	8	0	0	1 of 2	Retain
AURSS00029	Automotive Electrical Skill Set for Light Vehicle Technicians	0	3	2	6	0	5 of 11	Retain
AURSS00032	Automotive LPG Installation, Service and Repair Skill Set	17	18	26	119	31	1 of 3	Retain
AURSS00033	Automotive LPG Service and Repair Skill Set	51	3	1	31	0	1 of 2	Retain
*AURSS00037	<i>Hybrid Electric Vehicle Inspection and Servicing Skill Set</i>	57	38	131	309	255	1 of 3	Retain
AURSS00044	Vehicle Air Conditioning Service, Retrofit and Repair Skill Set	8	5	0	25	0	3 of 3	Retain
AURSS00046	Advanced Body Repair Skill Set	0	0	0	57	5	3 of 6	Retain
AURSS00058	LPG Fuel Systems Skill Set	0	0	0	0	3	None	Retain
*AURSS00064	<i>Battery Electric Vehicle Inspection and Servicing Skill Set</i>	0	0	0	135	609	None	Retain

## AUR Units of competency and Recommended Actions

Table A9 AUR Units of Competency with No Enrolments

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURAF110 Identify routine problems in an automotive workplace	0	0	0	0	0	Delete
AURBTA005 Restore bicycles	0	0	0	0	0	Delete
AURBTA106 Assemble components for custom bicycles	0	0	0	0	0	Delete
AURETH015 Diagnose, remove and replace heavy electric vehicle rechargeable energy storage systems	0	0	0	0	0	Retain
AURETH016 Diagnose and repair complex faults in battery electric vehicle powertrains	0	0	0	0	0	Retain
AURETH114 Diagnose complex faults in hybrid and battery electric vehicle network management systems	0	0	0	0	0	Retain
AURETR049 Install in-vehicle entertainment and convenience	0	0	0	0	0	Retain
AURETR051 Diagnose, repair and replace precision agriculture systems	0	0	0	0	0	Delete
AURHTA001 Carry out heavy vehicle pre-repair cleaning	0	0	0	0	0	Delete
AURHTL101 Inspect, diagnose and repair alternative fuel systems in heavy vehicle engines	0	0	0	0	0	Retain
AURKTX103 Diagnose complex faults in mobile plant transmission and driveline systems	0	0	0	0	0	Delete
AURLLD011 Determine compliance of steering and suspension modifications	0	0	0	0	0	Delete
AURLTD013 Carry out advanced light vehicle wheel alignment operations	0	0	0	0	0	Delete
AURLTJ104 Provide advice on the effects of light vehicle wheel and tyre combinations	0	0	0	0	0	Delete
AURMBA101 Transport light competition vehicles and support equipment	0	0	0	0	0	Delete
AURMCA101 Manage motor sport team media liaison	0	0	0	0	0	Delete
AURMCA102 Manage motor sport team promotional partnerships and marketing	0	0	0	0	0	Delete
AURMDA107 Act as a steward at motor sport events	0	0	0	0	0	Delete
AURMGA101 Set up and dismantle temporary work location and equipment at motor sport events	0	0	0	0	0	Delete
AURMGA102 Manage personal presentation and development in a motor sport environment	0	0	0	0	0	Delete
AURMLA001 Apply motor sport rules and regulations when officiating	0	0	0	0	0	Delete
AURMMA103 Manage motor sport operations	0	0	0	0	0	Delete
AURMMA104 Manage motor sport team development	0	0	0	0	0	Delete
AURMTA101 Prepare and service light competition vehicles	0	0	0	0	0	Delete
AURMTA103 Determine material suitability for competition vehicle components	0	0	0	0	0	Delete
AURPTR106 Deploy and service autonomous outdoor power equipment	0	0	0	0	0	Delete
AURRTR108 Diagnose and repair marine network electronic control systems	0	0	0	0	0	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURSAA002 Maintain customer aftermarket relations	0	0	0	0	0	Delete
AURSCP101 Provide information to customers on automotive refinishing products	0	0	0	0	0	Delete
AURTTB012 Attach friction materials and radius grind	0	0	0	0	0	Delete
AURTTL015 Develop and apply gas fuel system modifications	0	0	0	0	0	Delete
AURTTM001 Operate and monitor computer numerical control machines	0	0	0	0	0	Delete
AURTTTS101 Fabricate exhaust systems and components	0	0	0	0	0	Delete
AURTTX011 Overhaul torque converters	0	0	0	0	0	Delete
AURVNA107 Apply automotive mechanical and electrical knowledge to vehicle loss assessments	0	0	0	0	0	Delete
AURVTN043 Install external vehicle equipment	0	0	0	0	0	Retain
AURVTN112 Install vehicle sunroofs	0	0	0	0	0	Delete
AURVTN140 Repair vehicle plastic components	0	0	0	0	0	Delete
AURVTN143 Identify and repair high strength aluminium components	0	0	0	0	0	Retain
AURVTT006 Apply trimming adhesives	0	0	0	0	0	Delete

**Table A10 AUR Units of Competency with Low Enrolments**

There are 205 Units of Competency with low enrolments:

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURAAA001 Work in an automotive administration role	16	11	16	20	34	Retain
AURACA102 Manage complex customer requirements in an automotive workplace	20	6	11	13	24	Retain
AURAKA001 Use information technology systems	27	17	14	26	24	Retain
AURAKA002 Adapt work processes to new technologies in an automotive workplace	42	7	13	46	50	Retain
AURALA001 Comply with legal aspects of a service and repair contract in an automotive workplace	0	0	0	2	0	Retain
AURANN011 Estimate and quote automotive body repairs	2	7	7	10	13	Retain
AURAQA003 Maintain quality processes in an automotive workplace	51	58	53	33	32	Retain
AURATA004 Provide technical guidance	16	11	12	13	26	Retain
AURBCA102 Select and adjust bicycles to fit riders	73	52	28	20	17	Retain
AURBTA007 Provide mechanical support during cycling events	0	2	0	0	0	Delete
*AURBTA102 Adjust bicycles and components	0	0	3	23	28	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
*AURBTA103 Assemble bicycles	0	0	0	28	44	Retain
*AURBTA108 Disassemble and pack a bicycle for transport	0	0	0	29	44	Retain
*AURBTD104 Repair and overhaul bicycle suspension systems	0	0	0	25	30	Retain
AURBTR002 Install and adjust bicycle electronic gear shifters	7	26	27	7	0	Retain
*AURBTR101 Inspect and service electric power-assisted bicycles	0	0	0	38	8	Retain
*AURBTR103 Retrofit electric drivetrain systems to bicycles	0	0	0	38	7	Retain
*AURBTR104 Diagnose and repair electric bicycles	0	0	0	33	2	Retain
AURBTY001 Repair bicycle frames	19	18	7	26	38	Retain
AURETA001 Analyse and evaluate electrical and electronic faults in electronic over hydraulic systems	98	16	2	0	0	Retain
AURETA005 Analyse and evaluate electrical and electronic faults in theft-deterrent systems	94	85	38	63	27	Retain
AURETH013 Analyse and evaluate electrical and electronic faults in HEV and BEV management systems	60	67	58	26	0	Retain
AURETH104 Diagnose and repair traction motor speed control systems in battery electric vehicles	0	0	15	12	52	Retain
*AURETH105 Diagnose and repair high voltage traction motors in battery electric vehicles	0	0	12	41	56	Retain
*AURETH106 Diagnose and repair auxiliary motors and associated components in battery electric vehicles	5	0	11	13	53	Retain
*AURETH108 Diagnose and repair HVAC and rechargeable energy storage cooling systems in battery electric vehicle	0	0	11	9	43	Retain
*AURETH109 Diagnose and repair DC to DC converters in battery electric vehicles	0	0	15	17	45	Retain
AURETR002 Inspect heavy vehicle battery storage systems	14	0	0	0	0	Retain
AURETR019 Inspect, service and repair AC electric motor drive systems	14	12	4		1	Retain
AURETR033 Develop and apply network electronic control system modifications	0	0	0	0	2	Retain
AURETR045 Inspect, service and repair DC electric motor drive systems	18	29	46	52	25	Retain
AURETR104 Diagnose complex faults in convenience and entertainment systems	0	0	17	16	13	Retain
AURETR138 Diagnose complex faults in motorcycle electrical and electronic systems	0	0	1	0	0	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURETR139 Diagnose complex faults in light vehicle theft-deterrent systems	0	0	0	4	3	Retain
AURETR140 Diagnose complex faults in vehicle monitoring and protection systems	0	0	0	27	9	Retain
<i>*AURETR149 Apply knowledge of ADAS technology in vehicle pre-repair scans</i>	0	0	0	34	170	Retain
AURETR236 Diagnose and repair electronically controlled suspension systems	20	31	33	27	31	Retain
AURHTB003 Overhaul hydraulic and air over hydraulic braking system components	42	120	58	3	1	Retain
AURHTB106 Diagnose complex faults in heavy commercial vehicle braking systems	0	0	13	27	23	Retain
AURHTD001 Inspect heavy commercial vehicle suspension systems	110	132	12	3	0	Retain
AURHTD005 Analyse and evaluate faults in heavy commercial vehicle steering and suspension systems	0	0	3	2	0	Retain
AURHTD106 Diagnose complex faults in heavy commercial vehicle steering and suspension systems	0	0	13	24	25	Retain
AURHTE004 Analyse and evaluate faults in heavy commercial vehicle engine and fuel systems	0	0	2	0	5	Retain
AURHTE103 Diagnose complex faults in heavy vehicle diesel engines	0	0	13	26	21	Retain
AURHTF001 Inspect heavy commercial vehicle fuel systems	85	86	88	92	29	Retain
<i>*AURHTJ007 Remove, inspect, repair and refit industrial tyres and tubes</i>	0	3	87	50	99	Retain
AURHTR105 Diagnose and repair heavy commercial trailer electronically controlled roll stability systems	0	0	1	0	0	Retain
<i>*AURHTX002 Inspect, test and replace heavy vehicle automatic transmissions</i>	22	30	34	45	54	Retain
AURHTX106 Diagnose complex faults in heavy commercial vehicle transmission and driveline systems	0	0	7	24	31	Retain
AURHTY001 Inspect and service mechanical connections of heavy vehicles and trailers over 4.5 tonnes	0	1	20	43	24	Retain
AURJTA001 Carry out minor adjustments to motorcycles	45	27	33	27	20	Retain
AURJTA002 Remove and replace motorcycle components and accessories	41	29	18	0	3	Retain
AURJTD001 Inspect motorcycle suspension systems	11	0	0	0	0	Delete
AURJTD002 Inspect motorcycle steering systems	66	28	9	24	32	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURJTD105 Diagnose complex faults in motorcycle steering and suspension systems	0	0	5	0	0	Retain
AURJTE102 Diagnose complex faults in motorcycle engine and transmission systems	0	0	2	0	0	Retain
AURJTJ003 Remove and refit motorcycle wheel and tyre assemblies	18	4	10	22	21	Retain
AURJTX103 Diagnose and repair motorcycle automatic transmissions	0	0	3	40	81	Retain
AURJTY001 Repair and align motorcycle frames	10	1	0	0	0	Delete
AURKKJ001 Manage use of tyre management software	0	0	0	0	2	Retain
<i>*AURKTA001 Synchronise plant and equipment</i>	<i>14</i>	<i>65</i>	<i>109</i>	<i>74</i>	<i>47</i>	Retain
<i>*AURKTA003 Inspect, service and repair crop planting and seeding equipment</i>	<i>10</i>	<i>16</i>	<i>61</i>	<i>22</i>	<i>85</i>	Retain
AURKTA109 Diagnose complex faults in mobile plant hydraulic systems	0	0	2	4	2	Retain
AURKTB103 Diagnose complex faults in mobile plant braking systems	0	0	1	0	0	Retain
AURKTD105 Diagnose complex faults in mobile plant steering and suspension systems	0	0	6	0	0	Retain
AURKTJ013 Perform minor repairs to earthmoving and off-the-road tyres	0	5	0	2	0	Retain
AURKTX104 Diagnose and repair continuously variable transmissions	0	0	0	7	24	Retain
AURLTD002 Service and repair light vehicle lift assisted suspension systems	5	2	3	10	9	Retain
AURLTD008 Replace and refit steering, suspension and braking system components	0	0	0	0	3	Retain
AURLTD101 Select and install performance enhanced suspension system products	0	0	0	1	13	Retain
AURLTF101 Diagnose and repair light vehicle mechanical fuel injection systems	0	0	19	36	32	Retain
AURMBA002 Load and unload competition vehicles and support equipment	47	29	39	30	34	Retain
AURMDA002 Assist with officiating duties at motor sport events	35	34	42	30	43	Retain
AURMDA101 Develop and update motor sport industry knowledge	0	0	0	18	16	Retain
AURMKA001 Manage motor sport data	6	3	7	3	4	Retain
AURMLA003 Inspect vehicles and equipment at motor sport events for compliance	7	5	16	13	11	Retain
AURMMA007 Follow motor sport event and team safety requirements	38	19	32	35	34	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURMMA101 Operate in a motor sport environment	0	0	7	41	38	Retain
AURMMA102 Manage the preparation of motor sport competition vehicles	0	0	0	5	8	Retain
AURMMA108 Coordinate operations of a motor sport team	0	0	0	24	46	Retain
AURMSA001 Follow motor sport safety and risk management procedures	7	12	11	7	4	Retain
AURMTA005 Perform pit lane and service area operations at motor sport events	39	24	33	33	27	Retain
AURMTA006 Perform torquing and fastening on motor sport competition vehicles	41	35	42	33	33	Retain
AURMTA008 Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles	10	6	11	3	7	Retain
<i>*AURMTA102 Assemble and prepare competition vehicles for motor sport events</i>	0	0	2	31	35	Retain
<i>*AURMTA104 Prepare competition vehicles at motor sport events</i>	0	0	3	31	34	Retain
<i>*AURMTA109 Collect and log motor sport data</i>	0	0	0	24	30	Retain
AURMTD001 Test suspension dampers using a dynamometer	5	8	11	6	3	Retain
AURMTD002 Prepare competition vehicle suspension	9	6	9	8	5	Retain
AURMTF001 Analyse and repair performance carburetted fuel systems	28	34	38	33	22	Retain
AURMTJ001 Select and prepare motor sport competition vehicle tyres and wheels	12	5	8	3	4	Retain
AURMTQ101 Analyse and repair faults in performance driveline systems	2	0	0	15	8	Retain
AURMTS001 Construct hose and pipe assemblies for competition vehicles	18	30	41	22	40	Retain
AURNTA001 Inspect, service and repair forklift mast assemblies	30	27	22	17	44	Retain
<i>*AURNTB101 Diagnose and repair forklift hydraulic braking systems</i>	0	0	5	10	36	Retain
<i>*AURNTD101 Diagnose and repair forklift hydrostatic steering systems</i>	0	0	9	10	33	Retain
<i>*AURPTA104 Service and repair drum cutting systems</i>	0	0	1	27	48	Retain
<i>*AURPTA107 Service and repair post boring systems</i>	0	0	6	30	97	Retain
<i>*AURPTA108 Service and repair post hole digging systems</i>	0	0	6	31	93	Retain
<i>*AURPTA109 Service and repair reciprocating cutting systems</i>	0	0	1	50	168	Retain
<i>*AURPTE104 Overhaul outdoor power equipment engines</i>	0	0	2	27	62	Retain
<i>*AURPTR101 Test and service 240 volt portable generators</i>	0	0	0	3	21	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURPTR102 Test and service electric outdoor power equipment	16	29	18	37	27	Retain
AURPTR103 Service and repair outdoor power equipment engine management systems	0	0	2	21	33	Retain
<i>*AURPTR104 Inspect and service cordless electric tool skins</i>	0	0	16	45	124	Retain
<i>*AURPTR105 Diagnose and repair cordless electric tool skins</i>	0	0	5	37	93	Retain
AURRTA006 Water test vessels	15	9	15	14		Retain
<i>*AURRTC101 Diagnose and repair marine exhaust and cooling systems</i>	41	54	24	47	119	Retain
<i>*AURRTD101 Diagnose and repair marine steering systems</i>	0	0	0	11	106	Retain
AURRTE010 Test marine engines in water tanks	32	28	29	18	0	Retain
<i>*AURRTE106 Diagnose and repair marine outboard engines</i>	0	0	0	18	104	Retain
<i>*AURRTE107 Diagnose and repair marine inboard engines</i>	0	0	0	5	143	Retain
AURRTQ001 Inspect and service marine inboard propeller drive systems	60	53	59	62	39	Retain
AURRTQ005 Install marine jet drive propulsion systems	0	0	4	0	0	Retain
AURRTQ106 Diagnose and repair marine jet drive propulsion systems	0	0		30	146	Retain
AURRTR001 Inspect, service and maintain marine battery storage systems	4	0	0	0	0	Delete
AURRTX002 Inspect and service marine inboard transmissions	61	43	56	48	51	Retain
AURSCA109 Provide vehicle technology information	0	0	0	25	84	Retain
AURTTA007 Inspect, service and repair pneumatic systems	2	3	0	0	13	Retain
AURTTA008 Produce patterns and templates	61	10	6	8	0	Retain
AURTTA014 Assemble and install pneumatic system components	26	27	23	31	66	Retain
AURTTC002 Repair radiators	0	0	3	0	0	Delete
AURTTD001 Inspect steering systems	0	0	27	43	69	Retain
AURTTD005 Overhaul steering system components	278	372	223	82	49	Retain
AURTTD007 Remove and replace steering assemblies	106	124	108	44	46	Retain
AURTTE006 Remove and replace conventional engine assemblies	3	0	0	9	0	Retain
AURTTF003 Overhaul diesel fuel injection system components	57	113	70	17	18	Retain
AURTTF007 Overhaul carburettor fuel system components	44	30	4	0	0	Retain
AURTTL001 Inspect and service CNG fuel systems	39	14	6	0	0	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURTTL003 Install CNG fuel systems	0	10	2	3	1	Retain
AURTTL009 Install LPG fuel systems	22	14	21	107	41	Retain
AURTTL014 Analyse and evaluate faults in gas fuel systems	0	0	2	0	0	Retain
AURTTL102 Diagnose and repair CNG fuel systems	39	11	6	0	0	Retain
AURTTL104 Inspect and service LNG fuel systems	0	0	2	4	0	Retain
AURTTL105 Diagnose and repair LNG fuel systems	0	0	2	3	1	Retain
AURTTL111 Diagnose complex faults in CNG fuel systems	0	0	0	7	1	Retain
AURTTL112 Diagnose complex faults in LNG fuel systems	0	0	0	7	1	Retain
AURTTL113 Diagnose complex faults in LPG fuel systems	0	0	0	16	23	Retain
AURTTM002 Repair bearing tunnels and connecting rods in engines	19	22	32	17	13	Retain
AURTTM003 Apply metal to rebuild engine components	0	0	5	2	1	Retain
AURTTM005 Balance rotating and reciprocating engine components	16	12	27	21	4	Retain
AURTTM006 Perform advanced machining and blueprinting of engine components	4	0	3	6	1	Retain
AURTTM007 Carry out crankshaft grinding	14	15	31	24	8	Retain
AURTTM009 Fit sleeves and bore and hone engine cylinders	11	21	31	16	26	Retain
AURTTM010 Heat treat, straighten and reclaim engine components	16	21	29	17	12	Retain
AURTTM012 Carry out camshaft grinding	19	17	26	18	10	Retain
AURTTQ004 Overhaul final drive assemblies	259	367	186	69	48	Retain
AURTTW002 Set, operate and monitor specialist reconditioning machines	6	0	9	10	2	Retain
AURTTW003 Carry out machining operations	25	29	35	26	27	Retain
AURTTX001 Remove and tag driveline components	2	0	0	0	0	Delete
AURTTX009 Overhaul automatic transmissions	219	361	200	87	44	Retain
AURTTX013 Remove and replace clutch assemblies	167	2	6	3		Retain
AURVLA001 Identify and report vehicle claim fraud indicators	16	8	0	0	0	Retain
AURVNA001 Provide vehicle loss assessments and identify repair requirements	14	10	0	0	0	Retain
AURVNA002 Provide vehicle total loss assessments	9	8	0	0	0	Retain
AURVNA003 Review vehicle repair quotations	17	17	3	8	12	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURVNA004 Apply insurance industry knowledge to vehicle loss assessments	13	10	0	0	0	Retain
AURVNA005 Inspect quality of vehicle repair work	14	19	7	10	12	Retain
AURVNA006 Identify and value vehicle salvage	15	10	0	0	0	Retain
AURVNA008 Apply automotive body and paint knowledge to vehicle loss assessments	8	6	0	0	9	Retain
AURVNN101 Evaluate vehicle bodywork for damage and identify repair requirements	0	0	0	0	7	Retain
AURVNP101 Evaluate vehicle paintwork for damage and identify refinishing requirements	0	3	4	15	18	Retain
AURVTG006 Apply vehicle window tinting	4	3	10	26	13	Retain
AURVTG103 Remove and install butyl sealed windscreens	0	0	5	13	1	Retain
AURVTG105 Remove and install framed type windscreens	0	0	0	10	25	Retain
<i>*AURVTG112 Remove and install heavy vehicle rubber and direct glazed windscreens</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>42</i>	<i>73</i>	Retain
<i>*AURVTG113 Remove and install large vehicle windscreens</i>	<i>0</i>	<i>0</i>	<i>4</i>	<i>47</i>	<i>78</i>	Retain
AURVTK001 Use and maintain vehicle body repair hand tools	89	72	39	13	40	Retain
AURVTN001 Remove and tag vehicle body components	66	11	88	48	40	Retain
AURVTN009 Clean vehicle engines and engine components	71	48	102	71	42	Retain
AURVTN010 Clean vehicle underbody	14	17	33	42	6	Retain
AURVTN021 Repair vehicle body components using lead wiping	8	2	4	5	1	Retain
AURVTN030 Service air compressors and air lines	125	96	13	0	0	Retain
AURVTN039 Set up body alignment equipment on vehicles	0	0	10	20	6	Retain
AURVTN041 Remove and realign vehicle body panels	53	30	23	16	46	Retain
AURVTN042 Dismantle vehicle components	20	49	6	6	7	Retain
AURVTN133 Service and repair air compressors and components	0	0	29	39	42	Retain
AURVTN134 Evaluate vehicle body repair materials, equipment and work processes	0	0	3	2	0	Retain
AURVTN137 Test vehicle components for correct operation	0	0	0	3	2	Retain
AURVTN138 Carry out basic repairs to vehicle body panels	0	0	0	29	44	Retain
AURVTP026 Apply basic airbrush techniques to vehicle body panels	10	3	9	4	17	Retain

Unit of Competency code and title	2019	2020	2021	2022	2023	Action
AURVTP129 Prepare surface and prime repaired body panels	0	0	0	32	70	Retain
AURVTP130 Apply paint to vehicle body panels	0	0	0	8	14	Retain
AURVTP131 Cut and polish painted vehicle body panels	0	0	0	26	21	Retain
AURVTP132 Prepare and mask vehicle body panel surfaces	0	0	0	27	14	Retain
AURVTS001 Fabricate wooden components for vehicles	0	0	0		11	Retain
AURVTS006 Fabricate automotive and marine trim components	47	38	65	42	55	Retain
AURVTS103 Fabricate vehicle composite material components	0	0	0	0	4	Retain
AURVTS104 Repair vehicle composite material components	0	0	0	7	52	Retain
AURVTS105 Fabricate vehicle body panels and components	0	0	0	17	54	Retain
AURVTT001 Carry out sewing repairs to automotive and marine trim	5	7	4	0	0	Retain
AURVTT002 Carry out repairs and alterations to automotive and marine trim	54	38	57	40	39	Retain
AURVTT004 Trim vehicle components	35	27	40	25	36	Retain
AURVTT005 Select trim and fabric materials	53	26	49	43	42	Retain
AURVTT010 Remove and manufacture or repair vehicle head lining	54	52	59	40	24	Retain
AURVTT012 Conduct sewing operations	52	36	55	61	39	Retain
AURVTT013 Fabricate and fit loose and fitted covers to vehicle seats and components	16	32	41	27	33	Retain
AURVTT014 Fabricate and fit marine covers	19	26	25	37	23	Retain
AURVTT015 Fabricate and install canvas products for automotive and marine components	17	26	31	38	33	Retain
AURVTT017 Fabricate and install automotive and marine floor coverings	17	29	18	41	19	Retain
AURVTT018 Fabricate and install automotive and marine soft top hoods	25	23	18	41	23	Retain
AURVTT020 Select and use leather in automotive and marine trimming	20	16	21	24	24	Retain
AURVTT119 Fabricate and install automotive and marine frames, canopies and side curtains	0	0	0	14	23	Retain
AURVTW002 Carry out oxyacetylene brazing of components	43	34	30	31	35	Retain
AURVTW006 Carry out thermoplastic welding on vehicle trim components	50	58	86	62	25	Retain

## RII – Resources and Infrastructure Industry (Mining) Training Package

### RII Qualifications and Recommended Actions

Table A11 RII (mining) Qualifications with Low Enrolments

Code	Qualification	2019	2020	2021	2022	2023	Superseded units	Action
RII40320	Certificate IV in Underground Metalliferous Mining Operations	85	12	72	92	0	5 E	Retain
RII40520	Certificate IV in Resource Processing	9	6	4	4	0	7 E	Retain
RII41220	Certificate IV in Well Servicing Operations	85	12	72	92	0	1 C /2E	Retain
RII50620	Diploma of Drilling Operations	29	54	69	91	85	3 C	Retain
RII50820	Diploma of Drilling Oil & Gas (Onshore)	72	54	48	44	62	4 E	Retain
*RII51020	<i>Diploma of Well Servicing Operations</i>	54	35	41	79	107	3 E	Retain
RII60120	Advanced Diploma of Metalliferous Mining	9	24	25	12	1	None	Retain
RII60320	Advanced Diploma of Underground Coal Mining Management	28	43	23	18	38	7 E	Retain
RII60415	Advanced Diploma of Drilling Management	3	12	7	13	13	8 C / 5 E	Retain
*RII60720	<i>Advanced Diploma of Surface Coal Mining Management</i>	2	0	0	2	58	1 C / 8 E	Retain

### RII Skill Sets and Recommended Actions

Table A12 RII (mining) Skill Sets with No Enrolments

Code	Title	2019	2020	2021	2022	2023	Superseded units	Action
RIISS00029	Leading Hand - Coal Mining Skill Set	0	0	0	0	0	N/A	Potential Deletion
RIISS00035	Underground Shotfiring - Coal Skill Set	0	0	0	0	0	N/A	Potential Deletion

**Table A13 RII (mining) Skill Sets with Low Enrolments**

Code	Title	2019	2020	2021	2022	2023	Superseded units	Action
RIISS00030	Explosion Protected Diesel Engine Systems Maintenance Skill Set	0	0	92	3	0	N/A	Retain
RIISS00033	Underground Coal Mine Safety Skill Set	37	73	0	44	44	N/A	Retain
RIISS00036	Underground Shotfiring - Metalliferous Skill Set	52	53	27	0	0	N/A	Retain

## RII Units of Competency and Recommended Actions

**Table A14 RII Units of Competency with No Enrolments**

There are 68 Units of Competency with no enrolments:

Code	Title	2019	2020	2021	2022	2023	Action
RIIARO301	Work safely in autonomous environments	0	0	0	0	0	Retain
RIIARO302	Work safely with remotely piloted aircraft systems	0	0	0	0	0	Retain
RIIARO303	Operate equipment in autonomous environments	0	0	0	0	0	Retain
RIIARO304	Coordinate and interact with autonomous systems	0	0	0	0	0	Retain
RIIARO305	Build and maintain routes for autonomous operations	0	0	0	0	0	Retain
RIIARO306	Respond to obstructions to autonomous operations	0	0	0	0	0	Retain
RIIARO307	Activate and deactivate autonomous systems	0	0	0	0	0	Retain
RIIARO401	Supervise autonomous operations	0	0	0	0	0	Retain
RIIBLA307E	Conduct a blast survey	0	0	0	0	0	Retain
RIICAR301D	Rehabilitate exploration site	0	0	0	0	0	Retain
RIIEGS304E	Mobilise equipment and materials	0	0	0	0	0	Retain
RIIHAN401D	Organise and monitor wharf/terminal operations	0	0	0	0	0	Retain
RIIMCU201D	Operate power tram	0	0	0	0	0	Potential Deletion
RIIMCU202D	Conduct tracked vehicle/plant operations	0	0	0	0	0	Potential Deletion
RIIMCU207D	Install, maintain and recover electrical services	0	0	0	0	0	Potential Deletion
RIIMCU211D	Install and maintain explosion barriers	0	0	0	0	0	Potential Deletion
RIIMCU213E	Conduct feeder breaker operations	0	0	0	0	0	Potential Deletion
RIIMCU215D	Operate longwall ancillary equipment	0	0	0	0	0	Potential Deletion
RIIMCU216D	Maintain lamp cabin operations	0	0	0	0	0	Potential Deletion
RIIMCU218	Work safely with polymeric chemicals in underground coal mining	0	0	0	0	0	Retain
RIIMCU309E	Operate breaker line supports	0	0	0	0	0	Potential Deletion

Code	Title	2019	2020	2021	2022	2023	Action
RIIMCU310E	Conduct flexible conveyor train (FCT) operations	0	0	0	0	0	Potential Deletion
RIIMCU312	Conduct polymeric chemical operations in underground coal mining	0	0	0	0	0	Retain
RIIMCU313	Mix and pump polymeric chemicals in underground coal mining	0	0	0	0	0	Retain
RIIMCU314	Transport and store polymeric chemicals in underground coal mining	0	0	0	0	0	Retain
RIIMCU401E	Conduct special roadway operations	0	0	0	0	0	Potential Deletion
RIIMCU409	Apply and monitor polymeric chemical management plans	0	0	0	0	0	Retain
RIIMEX204D	Conduct workboat/barge operations	0	0	0	0	0	Retain
RIIMEX303	Conduct local geotechnical risk control in surface operations	0	0	0	0	0	Retain
RIIMEX402E	Supervise dredging operations	0	0	0	0	0	Retain
RIIMEX407	Apply and monitor the ground control management plan	0	0	0	0	0	Retain
RIIMEX408	Supervise overburden dump operations	0	0	0	0	0	Retain
RIIMEX504	Implement the ground control management plan	0	0	0	0	0	Retain
RIIMPO201E	Operate roller/compactor underground	0	0	0	0	0	Retain
RIIMPO501D	Implement, monitor, rectify and report on mobile plant and equipment systems	0	0	0	0	0	Retain
RIINHB220	Assist coil tube drilling	0	0	0	0	0	Retain
RIINHB221	Assist rotary air drilling	0	0	0	0	0	Retain
RIINHB222	Assist sonic drilling operations	0	0	0	0	0	Retain
RIINHB223	Prepare, run and cement casing	0	0	0	0	0	Retain
RIINHB326	Conduct coil tube drilling	0	0	0	0	0	Retain
RIINHB327	Conduct cyber chair drilling operations	0	0	0	0	0	Retain
RIINHB328	Conduct rotary air drilling	0	0	0	0	0	Retain
RIINHB329	Conduct sonic drilling operations	0	0	0	0	0	Retain
RIINHB411E	Construct artesian (flowing) aquifer bores	0	0	0	0	0	Retain
RIINHB412D	Construct geothermal wells	0	0	0	0	0	Retain
RIIPBE302D	Conduct bacterial oxidation	0	0	0	0	0	Retain
RIIPEO202E	Provide deck support for conveyor-car high wall mining operations	0	0	0	0	0	Potential Deletion
RIIPEO208E	Extend, retract and maintain conveyor componentry	0	0	0	0	0	Potential Deletion
RIIPEO301E	Conduct conveyor-car high wall mining operations	0	0	0	0	0	Potential Deletion
RIIRAI505D	Implement the surface mine mechanical plant management plan	0	0	0	0	0	Retain
RIIRAI507D	Implement the underground coal mine mechanical plant management plan	0	0	0	0	0	Retain
RIIRAI510D	Implement, monitor, rectify and report on interfaces between electrical and mechanical componentry	0	0	0	0	0	Retain
RIIRAI602D	Establish and maintain mine mechanical plant, services and infrastructure systems	0	0	0	0	0	Retain

Code	Title	2019	2020	2021	2022	2023	Action
RIIRAI605D	Establish and maintain an underground mine mechanical plant management system	0	0	0	0	0	Retain
RIIRAI607D	Establish quarry operations practices for transport/production equipment	0	0	0	0	0	Retain
RIIRAI610D	Establish and maintain mechanical standard/engineering	0	0	0	0	0	Retain
RIIRAI611D	Establish and maintain a surface mine mechanical plant management system	0	0	0	0	0	Retain
RIISAM315A	Manage tyre, wheel and rim assembly applications	0	0	0	0	0	Potential Deletion
RIISAM403E	Commission/recommission plant	0	0	0	0	0	Potential Deletion
RIISTD401	Monitor quarry laboratory operations and the quality of results	0	0	0	0	0	Retain
RIIUND204D	Refuel vehicles/machines underground	0	0	0	0	0	Retain
RIIUND208E	Conduct skip operations	0	0	0	0	0	Retain
RIIUND209E	Operate automated winder	0	0	0	0	0	Retain
RIIUND302E	Conduct cage operations	0	0	0	0	0	Retain
RIIUND303E	Operate winder for shaft sinking	0	0	0	0	0	Retain
RIIWBP501D	Implement site waste and by-product management plan	0	0	0	0	0	Retain
RIIWBP502D	Plan and monitor recycled material operations	0	0	0	0	0	Retain
RIIWSV304E	Prepare well servicing fishing operations	0	0	0	0	0	Retain

**Table A15 RII (mining) Units of Competency with Low Enrolments**

There are 199 units of competency with low enrolments

Code	Unit Title	2019	2020	2021	2022	2023	Action
RIIBEF302E	Monitor site production activities	29	7	16	2	0	Retain
RIIBHD401D	Supervise blast hole drilling operations	2	6	3		7	Retain
RIIBLA602E	Establish and maintain explosives safety and security management systems	14	25	24	22	35	Retain
RIICAR302D	Rehabilitate small mine site	2	0	0	0	0	Retain
RIIEGS201D	Operate in isolated and remote situations	21	19	18	29		Retain
RIIEGS202E	Conduct field work	19	24	21	25	33	Retain
RIIEGS301E	Operate and maintain instruments and field equipment	20	21	23	23	33	Retain
RIIEGS302D	Plan and undertake field trip	25	24	17	25		Retain
RIIEGS303E	Provide geological field assistance	22	19	19	24	34	Retain
RIIEGS305E	Navigate in remote or trackless areas	20	23	19	28	34	Retain
RIIENV502E	Undertake process or project environmental impact assessments	11	13	0	0	0	Retain
RIIERR204E	Provide aided rescue to endangered personnel	13	12	316	9	0	Retain

Code	Unit Title	2019	2020	2021	2022	2023	Action
RIIERR602E	Establish and maintain underground coal mine emergency preparedness and response systems	73	58	50	24	48	Retain
RIIHAN204D	Load and unload cargo/goods	40	0	142	39	33	Retain
<i>*RIIHAN210D</i>	<i>Perform intermediate rigging operations</i>	<i>126</i>	<i>87</i>	<i>40</i>	<i>109</i>	<i>137</i>	Retain
RIIHAN310E	Conduct crane operations underground	23	21	7	2	4	Retain
RIILAT601E	Manage group processes	2	10	7	0	0	Retain
RIIMCO302D	Conduct surface miner operations	6	0	0	4	0	Retain
RIIMCO303E	Conduct auger miner operations	2	4	0	6	1	Retain
RIIMCP202D	Conduct rail dispatch operations	82	68	31	23	40	Retain
RIIMCP301D	Monitor plant operations for coal preparation	41	111	31	22	36	Retain
<i>*RIIMCU203D</i>	<i>Conduct wheeled vehicle operations (non-articulated)</i>	<i>61</i>	<i>60</i>	<i>41</i>	<i>102</i>	<i>111</i>	Retain
RIIMCU204D	Conduct wheeled vehicle operations (articulated)	22	13	21	59	49	Retain
RIIMCU205D	Conduct rotational drilling	0	0	0	0	2	Retain
RIIMCU206D	Install, maintain and recover gas drainage systems	0	0	85	34	39	Retain
RIIMCU209E	Conduct roadway maintenance	35	18	14	48	34	Retain
RIIMCU210D	Conduct stonedusting operations	0	0	6	13	32	Retain
RIIMCU212E	Construct and maintain basic ventilation devices	16	2	16	5	0	Retain
<i>*RIIMCU214E</i>	<i>Conduct ventilation operations</i>	<i>139</i>	<i>49</i>	<i>91</i>	<i>135</i>	<i>182</i>	Retain
RIIMCU217	Apply spontaneous combustion management measures	56	2	2	0	0	Retain
RIIMCU301E	Conduct specialised strata control operations	146	60	30	71	53	Retain
RIIMCU303E	Conduct continuous miner operations	6	3	0	6	21	Retain
RIIMCU304E	Conduct shuttle car operations	97	40	6	5	36	Retain
RIIMCU305E	Conduct outburst mining operations	18	0	0	0	0	Retain
RIIMCU306E	Conduct shearer operations	0	2	0	0	0	Retain
RIIMCU307E	Conduct longwall face equipment operations	0	5	0	0	0	Retain
RIIMCU308E	Install and recover longwall equipment	1	0	0	0	0	Retain
RIIMCU311E	Monitor control processes	105	58	19	2	2	Retain
RIIMCU501E	Implement the spontaneous combustion management plan	51	53	32	21	40	Retain
RIIMCU502E	Implement the gas management plan	65	63	48	33	50	Retain
RIIMCU503D	Implement the gas drainage management plan	33	47	30	19	41	Retain
RIIMCU504D	Implement the outburst management plan	37	41	23	15	13	Retain
RIIMCU505E	Implement the inrush management plan	37	59	42	25	37	Retain
RIIMCU506E	Implement the strata management plan	40	62	50	24	39	Retain
RIIMCU601E	Establish and maintain spontaneous combustion management systems	34	21	8	19	27	Retain
RIIMCU602E	Establish and maintain gas management systems	32	17	8	17	32	Retain
RIIMCU603D	Establish and maintain the gas drainage management plan	11	15	1	14	27	Retain
RIIMCU604D	Establish and maintain the outburst management plan	30	22	3	14	28	Retain

Code	Unit Title	2019	2020	2021	2022	2023	Action
RIIMCU605E	Establish and maintain inrush management systems	21	13	7	1	5	Retain
RIIMCU606E	Establish and maintain the mining method and strata management systems	21	13	11	5	9	Retain
RIIMEX201E	Suppress dust in open-cut environments	3	0	9	28	4	Retain
RIIMEX203D	Break oversize rock	13	19	8	20	27	Retain
RIIMEX301D	Conduct dredging operations	14	25	20	19	11	Retain
*RIIMEX401D	<i>Apply pit plan</i>	63	49	35	99	151	Retain
RIIMEX404E	Apply and monitor systems for stable mining	127	31	58	151	28	Retain
RIIMEX503E	Manage dredging operations	2	0	0	0	0	Retain
RIIMEX601D	Plan pit development	11	0	3	0	12	Retain
RIIMEX602D	Establish and maintain surface mining ground control and slope stability systems	0	13	7	1	15	Retain
RIIMEX603D	Establish and maintain underground mining ground control and stable mining systems	1	11	6	6	0	Retain
RIIMEX604D	Establish and maintain surface product haulage and transport systems	0	11	8	7	13	Retain
RIIMPO302E	Conduct hydraulic shovel operations	15	7	7	1	2	Retain
RIIMPO303E	Conduct rope shovel operations	10	4	0	0	2	Retain
RIIMPO306D	Operate plant/machinery on live stockpiles	98	16	27	23	19	Retain
RIIMPO307E	Conduct wheel grader operations in underground mines	25	30	50	43	30	Retain
RIIMPO313E	Conduct face loader operations	73	21	21	17	16	Retain
RIIMPO329F	Conduct dragline operations	14	0	12	2	3	Retain
RIIMPO331E	Conduct operations with stockpile dozer	34	18	24	9	27	Retain
*RIIMPO401D	<i>Supervise mobile plant operations</i>	45	44	55	98	276	Retain
RIINHB205F	Assist continuous flight auger drilling	7	16	21	13	12	Retain
RIINHB206E	Assist large diameter auger drilling	1	19	0	0	6	Retain
RIINHB210E	Assist surface directional drilling	11	11	10	16	20	Retain
RIINHB217E	Assist horizontal direction drilling	24	0	0	2	3	Retain
RIINHB302D	Conduct reaming	12	5	8	26	18	Retain
RIINHB303D	Install product pipe	2	0	0	10	10	Retain
RIINHB305E	Conduct continuous flight auger drilling	15	24	47	72	75	Retain
RIINHB306E	Conduct large diameter auger drilling	2	3	13	6	15	Retain
RIINHB307D	Conduct conventional core drilling	44	56	81	93	82	Retain
RIINHB309E	Conduct guided boring	3	0	0	0	0	Retain
RIINHB310D	Conduct surface directional drilling	5	17	30	39	29	Retain
RIINHB312D	Conduct raise boring	7	12	45	24	31	Retain
RIINHB315D	Conduct top-hole hammer drilling	28	42	32	43	55	Retain
*RIINHB316D	<i>Conduct underground in-seam directional drilling</i>	39	21	54	99	104	Retain

Code	Unit Title	2019	2020	2021	2022	2023	Action
*RIINHB317D	<i>Install underground in-seam directional drilling standpipes</i>	16	0	24	83	90	Retain
*RIINHB318D	<i>Install and operate water and gas control equipment</i>	20	4	26	86	88	Retain
RIINHB320D	Construct monitoring bores	7	8	20	20	10	Retain
RIINHB322E	Construct multiple aquifer production bores	0	0	0	1	0	Retain
*RIINHB323D	<i>Conduct horizontal directional drilling</i>	60	23	56	86	171	Retain
RIINHB325E	Construct single aquifer bores	2	10	14	6	9	Retain
RIINHB330	Conduct down-hole hammer drilling	64	93	42	0	0	Retain
RIINHB403D	Supervise geotechnical drilling operations	3	5	6	9	3	Retain
*RIINHB501F	<i>Plan drilling</i>	24	44	68	75	85	Retain
*RIIOGD203F	<i>Prepare and operate drilling fluid systems</i>	48	29	12	52	101	Retain
*RIIOGD301E	<i>Conduct and maintain derrick operations</i>	65	59	13	34	119	Retain
*RIIOGD401E	<i>Rig up, conduct pre-spud operations and rig down</i>	88	59	50	47	79	Retain
*RIIOGD402E	<i>Participate in nipping-up and pressure tests</i>	87	63	52	50	83	Retain
*RIIOGD403E	<i>Conduct drilling operations</i>	83	60	43	44	91	Retain
RIIOGD404E	Coordinate air drilling operations	3	0	0	0	4	Retain
*RIIOGD501F	<i>Manage rig operations</i>	77	50	50	80	150	Retain
RIIOGD503E	Oversee drilling operations	2	11	2	0	0	Retain
RIIOGD504E	Manage drilling operations	74	59	36	44	67	Retain
*RIIOGD505E	<i>Manage drilling and well servicing induction and orientation</i>	68	52	48	86	147	Retain
*RIIOGD506D	<i>Manage rig move and camp move</i>	83	55	36	67	137	Retain
RIIOGD507D	Manage and monitor rig-up and rig-up to spud operations	68	44	28	29	42	Retain
RIIOGD508D	Manage well completion and abandonment	48	28	31	49	64	Retain
RIIOGD601D	Manage multiple drilling operations	3	9	9	14	12	Retain
RIIPBE201D	Conduct aeration process	0	11	3	13	13	Retain
RIIPBE202D	Conduct digestion process	1	7	0	6	0	Retain
RIIPBE203D	Conduct precipitation operations	46	37	21	33	29	Retain
RIIPBE204D	Conduct reduction process	0	10	9	3	17	Retain
RIIPBE301D	Conduct calcinations activities	18	3	0	6	0	Retain
RIIPBE303D	Conduct filtering process	17	23	13	46	21	Retain
RIIPBE304D	Conduct heavy media separation	0	0	0	2	22	Retain
RIIPBE305D	Conduct high tension separation	14	3	2	4	9	Retain
RIIPBE306D	Conduct leaching process	84	59	28	46	52	Retain
RIIPBE308D	Conduct thickening and clarifying process	49	72	63	70	79	Retain
RIIPBE309D	Conduct wet gravity separation	51	45	46	43	37	Retain
RIIPBE311D	Conduct magnetic separation	21	18	18	41	43	Retain
RIIPEO203D	Conduct stacker operations	69	50	111	68	89	Retain

Code	Unit Title	2019	2020	2021	2022	2023	Action
RIPEO204D	Conduct shore side mooring operations	25	52	23	23	21	Retain
RIPEO205D	Conduct ship loading operations	39	9	56	19	23	Retain
RIPEO206D	Lay and recover cables and hoses	6	0	1	4	23	Retain
RIPEO207E	Carry out conveyor system shift	0	0	0	0	20	Retain
RIPEO302E	Operate and monitor ore car dumpers	13	7	4	1	13	Retain
RIIPGP203D	Operate compressors	23	15		10	17	Retain
RIIPGP301D	Conduct drying activities	16	17	13	14	42	Retain
RIIPGP302D	Monitor and operate auxiliary plant and equipment	16	19	39	22	33	Retain
RIIPHA201D	Operate raw material feed systems	4	4		5		Retain
RIIPHA301D	Conduct milling/grinding	64	64	59	37	38	Retain
RIIPHA302D	Operate and monitor filter processes	8	6	13	24	25	Retain
RIIPRE301D	Conduct electrowinning/electro-refining operations		2	6		2	Retain
RIIPRE302D	Conduct elution processes	47	3	2	10	7	Retain
RIIPRE303D	Conduct gold room operations	3	2				Retain
RIIPRO201D	Conduct crushing operations	22	6	8	6	5	Retain
RIIPRO202D	Conduct screening and conveying operations	31	19	38	48	33	Retain
RIIPRO204D	Bulk package and store product		7		11	1	Retain
RIIPRO303D	Conduct sand wash plant operations	7	1	1	11	27	Retain
<i>*RIIPRO401D</i>	<i>Supervise processing operations</i>	<i>47</i>	<i>29</i>	<i>39</i>	<i>68</i>	<i>111</i>	Retain
RIIPRO402D	Supervise recycled materials operations	9	13	5	2		Retain
RIIPRO501D	Implement site processing plant operations	90	63	53	53	48	Retain
RIIPRO502D	Develop, implement and maintain process control systems	2	4	5	2		Retain
RIIPSM302D	Cast ingots	4	2	0	0	0	Retain
RIIPSM304D	Operate furnaces	0	2	2	0	2	Retain
RIIRAI503D	Implement site services and infrastructure systems	41	48	42	26	37	Retain
RIIRAI504D	Select and install surface plant and equipment	0	7	0	0	0	Retain
RIIRAI506D	Implement, monitor, rectify and report on inventory control system	0	2	0	0	0	Retain
RIIRAI508E	Implement mine services systems	46	34	18	2		Retain
RIIRAI509D	Implement mine fixed plant and infrastructure systems	17	6	6	2	3	Retain
RIIRAI601D	Establish and maintain the site infrastructure and fixed plant systems	3	12	11	5	17	Retain
RIIRAI603E	Establish and maintain mine transport systems and production equipment	18	16	6	3	13	Retain
RIIRAI604E	Establish and maintain mine services and infrastructure systems	16	17	6	8	23	Retain
RIIRAI608D	Establish quarry development	9	0	0	0	0	Delete
RIIRAI609D	Establish and maintain electrical installations, reticulation and protection system	19	22	38	37	37	Retain
RIISAM215E	Carry out drilling industry operational maintenance	0	0	9	118	42	Retain

Code	Unit Title	2019	2020	2021	2022	2023	Action
RIISAM303E	Shutdown dredge for operator maintenance	8	2	0	0	0	Delete
RIISAM304E	Install, commission and maintain major conveyor equipment and systems	58	1	0	0	0	Retain
RIISAM306E	Service and maintain conveyors, feeders and hoppers	73	39	37	31	54	Retain
RIISAM307E	Service and maintain crushers	53	26	51	41	60	Retain
RIISAM308E	Service and maintain screens	41	25	47	31	49	Retain
RIISAM309E	Service and maintain pumps	8	15	24	2	0	Retain
RIISAM404	Monitor oil and gas equipment maintenance	124	60	30	0	0	Retain
RIISDM501D	Conduct mine surveying operations	2	1	6	3	0	Retain
RIISRM301E	Blend stockpile materials	530	275	66	14	18	Retain
RIISRM303E	Move and position materials to form stockpiles	83	92	38	41	73	Retain
RIISRM401D	Apply and monitor the site stockpile management plan	15	12	11	10	12	Retain
RIISRM501E	Implement stockpile management plans	75	44	46	77	68	Retain
RIISRM502E	Design stockpile formations and reclaiming systems	2	0	0	0	0	Retain
RIISRM601E	Establish and maintain stockpile management systems	7	0	0	0	0	Retain
<i>*RIISTD301D</i>	<i>Take environmental samples and measurements</i>	0	0	0	0	30	Retain
<i>*RIISTD302E</i>	<i>Process data and maintain accurate records</i>	0	0	0	0	28	Retain
RIIUMM201D	Install ground support	0	12	0	4	0	Retain
RIIUMM303D	Conduct hand held mining	45	44	42	27	38	Retain
RIIUMM304D	Construct and maintain underground roads	2	4	0	0	0	Retain
RIIUMM305D	Install and remove a secondary fan	0	0	3	0	2	Retain
RIIUND205E	Respond to a workforce incident	2	2	3	11	0	Retain
RIIUND206D	Install hand held underground ground support	5	0	0	0	0	Retain
RIIUND301E	Operate manual winder	0	0	0	0	4	Retain
RIIUND305D	Recover underground equipment	3	0	0	0	0	Retain
RIIUND501E	Implement the ventilation management plan	63	61	47	40	40	Retain
RIIUND601E	Establish and maintain ventilation management systems	68	62	29	33	55	Retain
RIIUND602D	Establish and maintain mine services systems	2	13	17	8	0	Retain
RIIUND603D	Manage, operate and maintain the mine ventilation system	48	40	5	23	48	Retain
RIIWBP201E	Treat and dispose of rejects and tailings	36	33	34	32	48	Retain
RIIWBP202E	Distribute tailings	33	14	6	8	3	Retain
RIIWBP401D	Apply and monitor site waste and by-products management plan	11	13	0	0	0	Retain
RIIWMG201D	Conduct dewatering activities in surface operations	129	61	39	28	35	Retain
RIIWMG302D	Reclaim and treat water	8	1	4	11	6	Retain
RIIWMG401D	Apply and monitor the site water management plan	21	28	14	43	34	Retain
RIIWMG501D	Implement the site water management plan	46	36	24	35	27	Retain
RIIWMG601D	Establish and maintain water management system	2	1	0	0	8	Retain

Code	Unit Title	2019	2020	2021	2022	2023	Action
RIIWSV203E	Prepare equipment for well servicing air operations	9	19	10	5	3	Retain
*RIIWSV301F	<i>Conduct and maintain well servicing derrick operations</i>	95	58	44	52	223	Retain
*RIIWSV401E	<i>Rig up and rig down for well servicing operations</i>	93	45	52	75	134	Retain
RIIWSV402D	Conduct well servicing milling operations	23	20	10	5	3	Retain
*RIIWSV403E	<i>Participate in well servicing nipple-up and pressure test</i>	80	36	38	78	136	Retain
RIIWSV404D	Conduct fishing operations	55	14	5	7	11	Retain
RIIWSV501D	Manage well servicing induction and orientation	49	35	15	1	0	Retain
RIIWSV502E	Manage well completion and rig release	54	27	12	16	13	Retain
*RIIWSV503E	<i>Manage and monitor rig-up operations</i>	48	29	55	110	151	Retain

## Appendix 2 – Consultation Strategy

This document describes the stakeholder consultation that AUSMASA will undertake during the review of low and no enrolment qualifications.

### Project Overview

This project will undertake a desktop review of enrolment data to identify training products with low or no enrolments over the previous five years and undertake consultation to understand the reason for low or no usage. The training products within the scope of work are those within the following training packages:

AUM – Automotive Manufacturing (AUM)

AUR - Automotive Retail, Service and Repair (AUR)

RII – Resources and Infrastructure Industry (Mining) (RII)

Project deliverables:

- A report and options paper for training products with low or no enrolments
- Identification of redundant training package components

To accommodate the different industry stakeholder groups for the training packages, public and government consultation will be split into two distinct phases: the automotive industry and the mining industry as follows:

- Phase 1: Public and government consultation, which will run from 4 December 2024 to 31 January 2025 and include low or no enrolment training products identified in the AUM and AUR training packages.
- Phase 2: Public and government consultation will run from 3 February to 28 February 2025 and include low—or no-enrolment training products identified in the RII (Mining) training package.

This version of the Consultation Strategy is focused on the first phase of consultation related to the automotive sector. A revised version will be published for the second phase of consultation, incorporating additional information regarding the RII (Mining) training package.

A desktop analysis has been undertaken on the usage of all AUM and AUR training package components, qualifications, units of competency, and skill sets for the five-year period 2019-2023 to identify low or no enrolment training products.

**Table A16 Total AUM, AUR and RII (Mining) Training Package Products**

Training Package Product	AUM	AUR	*RII (Mining)
<b>Qualifications - Total</b>	<b>6</b>	<b>47</b>	<b>31</b>
No enrolment	4	1	-
Low enrolment	1	15	10
<b>Skill Sets - Total</b>	<b>0</b>	<b>36</b>	<b>6</b>
No enrolment	-	25	3
Low enrolment	-	8	3
<b>Units of Competency - Total</b>	<b>59</b>	<b>623</b>	<b>384</b>
No enrolment	15	40	68
Low enrolment	21	205	199

**Source:** VOCSTATS, <http://www.ncver.edu.au/resources/vocstats.html>,

AUM/AUR Total VET students and courses extracted on 25/10/2024

RII Total VET students and courses extracted on 08/11/2024

\*Excludes RII Civil Construction or Resource and Infrastructure cross industry training products

The outcomes of the public consultation will inform the development of a report with proposed options for addressing training products with low or no enrolments.

## Project Activities and Timeline

This project is a routine training package development activity scheduled to be completed within twelve months. It started in March 2024 and was expected to be completed in March 2025. In April 2024, the project was put on hold due to the priority Qualification Reform Automotive Categorisation Project, which also involved reviewing and consulting about low or no enrolment qualifications. We have incorporated this feedback into this next phase of the project. The project resumed in mid-October 2024 with a revised completion date of 30 June 2025.

**Table A17 Project Activities and Timelines**

Activity	Timeframe
Commencement	March 2024
Conduct initial data research	March – April 2024
Review and update initial data research	October – November 2024
Phase 1 public and government consultation	6 December 2024 – 31 Jan 2025
Phase 2 public and government consultation	3 February – 28 February 2025
Document, review and action, as appropriate, feedback from public and government consultation	December 2024 – February 2025
Develop draft report and options paper	March 2025
Undertake further consultation(s) as appropriate	March 2025
Document, review and action, as appropriate, feedback from public and government consultation	April – May 2025
Prepare and submit the Final Report	May - June 2025

## Stakeholder Consultation

The consultation aims to gather feedback on the following topics:

- The reasons for low or no enrolment in the identified training products.
- The potential impacts on current learners if these products were removed from the National Training Register.
- The need for support for Registered Training Organisations (RTOs) or the necessity to develop new products or revise existing training products to better meet the needs of industry and training providers.

Key stakeholder organisations have been identified for this project, and we will ensure each is contacted to seek their participation and gather feedback on the draft training products. Interested parties will be invited to contribute their insights through broad public consultation. All RTOs with identified low and no enrolment training package products on their scope will receive an email to inform them of the project and invite them to participate in the consultation process.

The consultation will identify low enrolment components that support thin markets, including industry in regional, rural, or remote areas. We will consult directly with key stakeholders on these products to ensure we gather information and feedback to understand the reasons for low usage and determine appropriate actions to support increased uptake.

To keep up to date with project developments and be notified of consultation opportunities stakeholders are encouraged to:

- Review the [project webpage](#) and subscribe for project updates.
- [Subscribe](#) to Projects and Open Consultations
- [Subscribe](#) to The Journey newsletter
- [Follow](#) AUSMASA on LinkedIn

## Stakeholder Groups

**A wide range of stakeholders will inform the project.** Consultation is not limited to the organisations listed below, and all interested participants are encouraged to engage in this project's consultation.

### Key entities

Key entities in the training package product development and endorsement process are notified of the project commencement and provided the opportunity to provide feedback throughout the consultation and key stages throughout the project as follows:

- **Senior Responsible Officers (SROs)/State Training Authorities (STAs)** at the commencement of public consultation, including a project update, and invited to identify any key stakeholders in their jurisdiction, including any areas of focus regarding regional, rural and remote locations, vulnerable and minority cohorts. SROs will be provided with the opportunity to review the final report and list of training package components identified as redundant for a minimum of two weeks.

- **Jobs and Skills Councils (JSCs)** will be notified at the commencement of public consultation and provided with a list of training package products within the scope of this project that are imported into their training package products and invited to review these components and provide feedback on any impacts or issues to be addressed.

Table A18 provides a list of the key entities to be engaged in this project.

**Table A18 Key Entities**

Organisation	Location	Stakeholder type
BuildSkills Australia	National	JSC
Future Skills Organisation	National	JSC
HumanAbility	National	JSC
Industry Skills Australia	National	JSC
Manufacturing Industry Skills Alliance	National	JSC
Service and Creative Skills Australia	National	JSC
Skills Insight	National	JSC
Powering Skills Organisation Ltd	National	JSC
Public Skills Australia	National	JSC
Department of Employment and Workplace Relations	Commonwealth	SRO
Skills Canberra	ACT	SRO/STA
Department of Education NSW, Skills Policy	NSW	SRO/STA
Northern Territory Government, Training Package Development	NT	SRO
Department of Employment, Small Business and Training	QLD	SRO/STA
Skills SA	SA	SRO/STA
Skills Tasmania, Department of State Growth	TAS	SRO
Department of Jobs, Skills, Industry and Regions (DJSIR)	VIC	SRO
Department of Training and Workforce Development (DTWD) WA	WA	SRO
Department of Industry, Tourism and Trade	NT	STA
Victorian Skills Authority	VIC	STA
WA State Training Board	WA	STA
Assurance Body	Commonwealth	

## Key industry stakeholders and RTOs

AUSMASA has identified several key industry stakeholders, see the Automotive and Mining industry stakeholder lists, Tables A25 to A29, who will be invited to participate in consultation about identified low and no enrolment components for their industry. For the automotive industry, these include RTOs that participated and provided insights about the reasons for low and no enrolments as part of the qualification reform [Automotive Categorisation Project](#).

**Table A19 Industry Stakeholders – SWAP Representatives**

Name	Organisation	Stakeholder Type	SWAP
Bruce McIntosh	Tasmanian Automotive Chamber of Commerce	Peak Body	Automotive
Claudia Carsten	Mining and Automotive Industry Training Council	XX Industry Representative	Automotive
Deborah Joyce	Automotive Training Board New South Wales	Peak Body	Automotive
Ian Price	Motor Traders' Association of New South Wales	Industry Association	Automotive
Jason Trewin	I-CAR Australia in Victoria	RTO	Automotive
Jodie Ryan	Motor Trade Association of SA & NT	Industry Association	Automotive
Jonathon Maile	Engineering, Transport and Defence, South Metropolitan TAFE in Western Australia.	RTO	Automotive
Kate Evans	Cummins Asia Pacific	Employer	Automotive
Lesley Yates	Australian Automotive Aftermarket Association	Industry Association	Automotive
Matthew Tosolini	Komatsu Australia	RTO/Employer	Automotive
Melissa Mangano	United Forklift and Access Solutions	Employer	Automotive
Michael Rose	Heavy Vehicle Industry Association	Industry Association	Automotive
Neil Patchett	Boating Industry Association Ltd	Industry Association	Automotive
Paul Baxter	Australian Manufacturing Workers Union	Union	Automotive
Vanessa Garbett	Electrical Trades Union of Australia	Union	Automotive
Elizabeth Gibson	Construction Material Processors Association	Industry Association	Mining
Ben Lewis	One Key Resources	Employer	Mining
Blair Kidd	Mining and Energy Union Queensland	Union	Mining
Chris Davis	Catepillar Inc	Employer	Mining
Jodie Badcock	Resources and Engineering Skills Alliance	Industry Representative	Mining

Name	Organisation	Stakeholder Type	SWAP
Karolina Szukalska	Minerals Council of Australia	Industry Representative	Mining
Osama Ali	Caterpillar	Employer	Mining
Robert Petherbridge	TAFE Queensland	RTO	Mining
Scott Layton	BHP	Employer	Mining
Shane Roulstone	Australian Workers Union	Union	Mining
Stephen Watts	Queensland's Mining and Energy Union	Union	Mining
Tim Westcott	Australian Drilling Industry Association	Industry Association	Mining
Vanessa Skipworth	Tasmanian Minerals, Manufacturing and Energy Council	Peak body	Mining
Zane Hughes	Cooperative Research Centre for Transformations in Mining Economies	Industry Representative	Mining

**Table A20 Mining Industry Stakeholders**

Organisation	Representation	Stakeholder Type
Mining & Energy Union	NSW, QLD, WA, VIC, TAS	Union
The Western Mine Workers Alliance	WA	Union
Australian Workers Union (AWU)	National	Union
Construction, Forestry, Mining and Energy Union (CFMEU)	NSW, QLD	Union
Department of Energy, Mines, Industry Regulation and Safety (DEMIRS)	WA	Government
Department of Resources	QLD	Government
Resources Safety & Health Queensland	QLD	Government
Resources Victoria	VIC	Government
The Department for Energy and Mining (DEM)	SA	Government
Mineral Resources Tasmania	TAS	Government
The Chamber of Minerals and Energy of Western Australia (CME)	WA	Peak body
Fire Protection Association Australia (FPA Australia)	National	Industry association
AFAC (National Council for fire and emergency services)	National	Peak body
Queensland Mines Rescue Service (QMRS)	QLD	Accredited provider of coal mine rescue services in Queensland

Organisation	Representation	Stakeholder Type
Coal Services Mines Rescue Pty Ltd	NSW	RTO
Resources Industry Training Council	WA	Peak body
Mount Isa Mines (Underground mine minerals processing)	QLD	Employer
Additional employers will be identified through direct engagement with the automotive industry stakeholders listed above.	Australia-wide	Employer

**Table A21 Automotive Industry Stakeholders**

Organisation	Representation	Stakeholder Type
Australian Automotive Dealer Association (AADA)	National	Peak Body
Australian Automotive Aftermarket Association (AAAA)	National	Industry Association
Australian Chamber of Commerce and Industry (ACCI)	National	Industry Association
Bicycle Industries Australia	National	Industry Association
Boating Industry Association Australia	National	Industry Association
Bus Industry Confederation	National	Industry Association
Capricorn	National	Industry Association
Federal Chamber of Automotive Industries (FCAI)	National	Industry Association
Institute of Accident Assessors	National	Industry Association
Institute of Automotive Mechanical Engineers	National	Peak Body
MTAA - Motor Trades Association of Australia Limited	National	Industry Association
MTANSW - Motor Traders Association of New South Wales	NSW	Industry Association
MTAQ - Motor Trades Association of Queensland	QLD	Industry Association
MTAWA - Motor Trade Association of WA	WA	Industry Association
National Australian Apprenticeship Association	National	Industry Association
Outdoor Power Equipment Association	National	Industry Association
Tractor and Machinery Association of Australia	National	Industry Association
Heavy Vehicle Industry Australia (HVIA)	National	Industry Association
Individual employers will be identified through direct engagement with the automotive industry stakeholders listed above.	Australia-wide	Employer
Victorian Automotive Chamber of Commerce (VACC)	VIC	Industry Association
Specialised Textiles Association	National	Industry Association

**Table A22 Registered Training Organisations (RTOs)**

Organisation	Representation	Industry
ALL RTOs in training.gov.au with training package components within the scope of this project, see <a href="#">Appendix 1</a> .  This includes the 16 RTOs that provided feedback on low and no enrolment qualifications as part of the Automotive Categorisation Project.	Australia-wide	Mining
ALL RTOs in training.gov.au with training package components within the scope of this project, see <a href="#">Appendix 1</a> .	Australia-wide	Automotive

**Table A23 Jurisdictional Distribution of Stakeholders**

Stakeholder type	National	ACT	NSW	NT	QLD	SA	TAS	VIC	WA
RTO	✓	✓	✓	✓	✓	✓	✓	✓	✓
Employer	✓								
Union	✓		✓		✓		✓	✓	✓
Industry association/peak body	✓						✓		✓
State and territory Officials	✓	✓	✓	✓	✓	✓	✓	✓	✓

## Key stakeholder consultation mechanisms / approaches

We will use various consultation mechanisms including direct engagement and online methods to connect with a wide range of stakeholders.

### Consultation type: Direct Email

- Email notification will be sent to:
  - RTOs with the identified low and no enrolment components on scope, including those that participated in the Automotive Categorisation Project.
  - Industry Associations
  - SROs and STAs.
  - Other JSCs.
- Notification will advise the commencement of public consultation, provide instructions for providing feedback, and invite attendees to register for the webinar.

### Consultation type: Webinar

- Outlining project details
- Inviting broad consultation
- Access to recording of webinar via the consultation tab on the project web page.

### Consultation type: Public Consultation

- Public consultation will be undertaken in two separate stages, one for the automotive industry and one for the mining industry as follows:
  - Phase 1: Public and government consultation will run from 4 December 2024 to 31 January 2025 and include low or no enrolment training products identified in the AUM and AUR training packages.

- Phase 2: Public and government consultation will run from 3 February to 28 February 2025 and include low or no enrolment training products identified in the RII (Mining) training package.
- The following components will be published on the project page:
  - Project overview.
  - Overview of initial analysis including a list of training package components identified as having low and no enrolments.
  - Link to a feedback survey.
- Feedback is documented in the consultation log.

### Consultation type: Interviews with targeted stakeholder groups

The aim of the stakeholder interviews is to gather information to understand the reasons for low or no enrolment and to inform options for addressing training products with low or no enrolment in the project reports. These interviews also provide an opportunity to identify delivery to vulnerable and minority cohorts and gather information to inform appropriate responses or further investigations.

- As part of the Automotive Categorisation Project, we interviewed 13 RTO stakeholders about low and no enrolment components in the AUM and AUR training packages.
- Additional interviews will be undertaken with industry and RTO stakeholders for low and no enrolment in identified training products in the AUM, AUR, and RII training packages.
- Interviews will investigate and identify vulnerable and minority cohorts, including women, people with disability, culturally and linguistically diverse communities and First Nations people.

### Project Contact

For further details regarding this project:

- Senior Project Advisor – VET Implementation, Lee-Anne Gascoyne  
[lee.gascoyne@ausmasa.org.au](mailto:lee.gascoyne@ausmasa.org.au)

### Version Control

Version Number	Date	Author	Reviewed By	Approved By	Description of Change
1.0	28/11/2024	Lee-Anne Gascoyne	Simon Hester	Simon Hester	Initial draft created
2.0	12/12/24	Lee-Anne Gascoyne	Simon Hester	Simon Hester	Correction in Table 1 for low or no enrolment AUM qualification numbers
3.0	26/02/2025	Lee-Anne Gascoyne	Simon Hester	Simon Hester	Addition of mining industry low or no enrolment training products from RII Resource and Infrastructure Training Package added to Appendix 1

# Appendix 3 – Consultation Feedback Summary

## Initial Consultation – Feedback Survey aggregated results

Table A24 AUM Low enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with qualification design	Decreasing demand	Lack of trainers / assessors	Servicing a niche industry sector	(blank)	Total
Bus, Truck and Trailer	12	-	1	1	-	1	2	17
Common AUM	-	-	-	-	-		5	5
Passenger Vehicle	-	-	-	-	-	1		1
<b>Grand Total</b>	<b>12</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>7</b>	<b>23</b>

Table A25 AUM No enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Alternative pathway (qualification or skill set) being used	Future need	Industry or alternative use	Not currently required	(blank)	Total
Bus, Truck and Trailer	1	-	-	-	-	1
Common AUM	-	-	2	-	4	6
Passenger Vehicle	-	4	6	2		12
<b>Grand Total</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>19</b>

## AUR Automotive Retail, Service and Repair Training Package

Table A26 AUR Low enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with qualification design	Decreasing demand	Lack of trainers / assessors	Servicing a niche industry sector	(blank)	Total
Automotive Electrical	27	8	1	18	8	78	-	140
Bicycle Repair	26	1	-	13	-	14	-	54

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with qualification design	Decreasing demand	Lack of trainers / assessors	Servicing a niche industry sector	(blank)	Total
Body Repair	-	3	-	10	-	84	3	100
Common AUR	-	12	-	1	-	23		36
Marine	-	-	-	-	-	7	2	9
Mechanical Heavy Vehicle	12	-	15	30	2	36	-	95
Mechanical Lifting Equipment	-	-	-	-	-	6	-	6
Mechanical Light Vehicle	1	-	-	5	1	26	-	33
Mechanical Miscellaneous AUR	-	-	-	16	-	32	-	48
Mechanical Mobile Plant	3	1	-	13	-	31	-	48
Mechanical Motorcycle	-	-	-	-	-	18	-	18
Outdoor Power Equipment	-	-	-	-	-	10	-	10
Sales and Parts, Administration and Management	-	1	-	2	-	9	3	15
Motor Sport Sector	-	-	-	-	-	-	24	24
<b>Grand Total</b>	<b>69</b>	<b>26</b>	<b>16</b>	<b>108</b>	<b>11</b>	<b>374</b>	<b>32</b>	<b>636</b>

**Table A27 AUR No enrolment survey aggregated feedback by industry sub-sector**

Industry Sub-sector	Future need	Industry or alternative use	Not currently required	(blank)	Total
Automotive Electrical	18	12	25	1	56
Bicycle Repair	-	-	-	2	2
Body Repair	3	1	2	3	9
Common AUR	2	1	8	-	11
Marine	1	-	1	1	3
Mechanical Heavy Vehicle	15	12	36	-	63
Mechanical Light Vehicle	1	6	23	-	30
Mechanical Miscellaneous AUR	-	-	-	9	9
Mechanical Mobile Plant	1	-	4	-	5

Industry Sub-sector	Future need	Industry or alternative use	Not currently required	(blank)	Total
Sales and Parts, Administration and Management	2	1	6	-	9
Motor Sport Sector	-	-	-	12	12
<b>Grand Total</b>	<b>43</b>	<b>33</b>	<b>105</b>	<b>28</b>	<b>209</b>

**Table A28 RII Low enrolment survey aggregated feedback by industry sub-sector**

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with training product design	Decreasing demand	Lack of trainers and assessors	Servicing a niche industry sector	(blank)	Total
Coal Mining	14	47	31	-	4	19	-	115
Metalliferous Mining	8	10	12	37	4	66	-	137
Quarrying	-	1	-	3	-	2	-	6
Drilling	-	-	-	-	-	-	-	0
Mining Cross-sector	-	1	11	1	-	45	-	58
	<b>22</b>	<b>59</b>	<b>54</b>	<b>41</b>	<b>8</b>	<b>132</b>	<b>0</b>	<b>316</b>

**Table A29 RII No enrolment survey aggregated feedback by industry sub-sector**

Row Labels	Alternative pathway (qualification or skill set) being used	Future need	Industry or alternative use	Not currently required	(blank)	Total
Coal Mining	-	16	54	-	-	70
Metalliferous Mining	-	-	12	3	-	15
Quarrying	-	-	3	4	-	7
Drilling	-	-	-	-	-	0
Mining Cross-sector	-	10	4	2	-	16
		<b>26</b>	<b>73</b>	<b>9</b>	<b>0</b>	<b>108</b>

## Automotive Industry

Below are direct extracts of feedback by stakeholders in the free text field in the Feedback Survey. These comments are shown as received, **no editing nor grammatical corrections** have been made.

### Automotive Training Board NSW

There are increasing niche areas in the automotive sector any of which are still important and do reflect industry needs albeit on a smaller scale than the "mainstay" qualifications.

Manufacturing continues to be important for Australia there has historically been little uptake of the AUM qualifications as they were not necessarily fit for purpose for industry. Many of those in industry did not undertake nationally recognised training but worked alongside others in a workplace to develop their skills. There were skills not addressed in the AUM qualifications that were necessary for a typical workplace in the manufacturing aspect of their business. This was particularly relevant in NSW, where for an individual to be licensed an AUM qualification had been determined - Certificate II in Automotive Manufacturing Technical Operations – Bus Truck and Trailer. Industry did not consider the units of competence were relevant and historically may have undertaken the qualification (although this was extremely difficult due to the low number of students wishing to undertake this qualification leading to issues of numbers for a class to be formed and therefore a lack of engagement by the Public Provider due to its lack of economic viability. After well over a decade of the ITAB's discussions and lobbying with Fair Trading and providing evidence from relevant parties a decision was made to include the Certificate III in Engineering - Fabrication Trade as a pathway to licensing.

Given the significance of the large diverse and internationally competitive automotive component manufacturing in Australia it is imperative that manufacturing qualifications remain but a closer look at what the current state of manufacturing would greatly benefit the future of those qualifications.

### Adapt Education

As an RTO we are planning to offer qualifications and units from AUR training package. In 2025 we expect 25 enrolments. In 2026 we expect 100 enrolments. These enrolments will be school based students in AUR20720. We are not currently looking to offer any of the qualifications/skills sets/units listed as having no or low enrolments.

### Motor Trade Association of SA/NT

The Motor Trades Association of SA/NT represents retail motor trades businesses throughout South Australia including retail service repair cycling and associated industries.

As a registered training organisation we directly train more than 1100 automotive apprentices across a diverse range of trades under AUR training packages.

It is the view of the MTA SA/NT and its members that none of the identified AUR qualification Skills clusters or units in emerging industries should be removed or considered for removal at this stage..

The MTA and its members note the consultation's five key themes of 'perceived value of qualifications', 'alternative pathways', 'qualification design issues', 'lack of trainers and

assessors' and 'need for delivery support' as potential drivers of low or no enrolment outcomes.

By way of example it is important to consider units and qualifications in the automotive electrical sector identified by the consultation as having low enrolments. These units and qualifications are in an emerging and rapidly evolving technological sector of the automotive industry. Zero and low emission vehicles such as electric vehicles related to these units and qualifications are approximately 9.5 per cent of new vehicle sales and make up 1 per cent of the car parc in Australia. These skill sets will be needed in the future and the units need to remain.

The MTA and its members would also like to acknowledge that some of the numbers identified as enrolled do not appear to reflect the actual numbers in training for that specific skillset. For example vendors and manufacturers undertake their own training that is specific to a vehicle or automotive technology, such as windscreen or manufacturer specific electric vehicle training. As such, it can appear as though certain AUR training package units are not utilised. This is often a case where there is poor knowledge that the units exist or a skills cluster is available and in some cases not open to subsidised funding.

The MTA and its members recommend that all qualifications skills clusters and units identified are retained and the consultation uses stakeholder responses to better understand the role of low and no enrolment training products in future automotive training.

### **5 Star Training & Consulting Pty Ltd**

The AUR20320 Certificate II in Bicycle Mechanical Technology has recently been added to the NSW Skills List (Smart & Skilled) We anticipate with funding to support this training enrolment numbers will increase. That said we are the only RTO offering this qualification in NSW and this is a being a niche market and small industry within the automotive trade area it is unlikely numbers will increase significantly. Most of the units listed above are electives in the AUR30220 Certificate III in Bicycle Workshop Operations and if we see the anticipated increase in enrolment numbers due to the funding in NSW it is likely that many graduates will go on and complete the Certificate III course after finishing the Certificate II - In addition to the above we lost a trainer with the e bicycle skills so these electives were not offered in 2023 no we have gained another trainer with these skills so they will be added back to the elective options

### **BIA**

under the ANZSCO rating bicycle mechanics was considered a level 5 skill (on a par with shopping trolley collector - defined as may require some on the job training) - in December 2024 this was upgraded to level 3 - on a par with car mechanics.

Associated with this rating states around Australia have not provided funding to support subsidised training through the TAFE/private RTO sector. Therefore the course became full fee for service. Training numbers dropped (as per the 2014 ACIL Allen report on Vic) - number of RTO's with the courses on scope dropped and shops/mechanics looked for alternate training options. The industry has not engaged in reviewing/devolving training units.

In 2024 Cert III in bicycle mechanics was taken off the skills priority list, so therefore shops that were interested are stepping further away from Gov endorsed training.

The process became a self fulfilling proficy.

There is a massive shortage in bicycle mechanicSbut there is a small number of qualified mechanics in the industry to act as supervisors of trainees/apprentices.

## Mining Industry

### Coal Mining

#### Coal Services

Unit sub-sector	Comments
Coal Mining Open Cut Environments Units of Competency further comments	These modules are run in house, using customised training packages relevant to the operation - non-accredited.
Coal Mining Operations Environments Units of Competency further comments	These modules are run in house, using customised training packages relevant to the operation - non-accredited.
Coal mining qualifications and skill sets further comments	RIISS00030 Explosion Protected Diesel Engine Systems Maintenance Skill Set goes in waves as this is completed by Mechanical Trades in industry that are usually permanently employed and is only required to be done once. RIISS00033 Underground Coal Mine Safety Skill Set modules are completed and issued as the accredited modules not the skill set - it would be good to get the stats on the modules as I believe you will find these are highly utilised and issued, in both NSW and QLD. Almost all sites require these modules to be completed prior to working.
Coal Mining Underground Environments Units of Competency further comments	Many of these modules are run in house, using customised training packages relevant to the operation - non-accredited. Spontaneous combustion is not relevant at the Cert 2 level for majority of NSW Underground Coal Operations.
Underground Mining Environments Units of Competency further comments	These and many of the other Diploma Modules are not sought as Mining Engineers are seen as the preference.

#### Simtars — the Safety in Mines Testing and Research Station

Unit sub-sector	Comments
Coal Mining Underground Environments Units of Competency further comments	Interesting to see that quite often a higher number of enrolees were in the lower level 2 & 3 courses.

### Skillstrain Pty Ltd

Unit sub-sector	Comments
Coal mining qualifications and skill sets further comments	In the last 12 months through an alternative RTO and now my own, we have issued around 40 Adv Diploma. Mining Legislation across Australia is heading towards more RII based outcomes for senior site personnel from these qualifications .
Coal Mining Underground Environments Units of Competency further comments	The change in rosters, availability of training companies to work with in the confines of these qualifications were very difficult. I removed Underground Coal from my scope, due to a number of factoes. the Qualification was made to difficult to get, and needs to be serparated into streams that feed to each other and industry re-engaged A lot of these units are actually used by companies as a guide to developing their own procedures
Emergency Response and Rescue Environments Units of Competency further comments	Enrolments are increasing in this unit - i have taken 15 enrolments in the last 2 weeks
Mobile Plant Operations Environment Units of Competency further comments	As per my previous comments enrolments now being taken
Plant and Equipment Operations Environments Units of Competency further comments	As per my previous comments
Please provide additional comments	Changes in the regulatory framenwork across Australia indicates that these units will be needed in the near future
Resources and Infrastructure Environments Units of Competency further comments	As per my previous comments these units are being sought in line with regulatory changes
Service and Maintenance Environments Units of Competency further comments	As per my previous comments

### Disruptive Mining Technologies

Unit sub-sector	Comments
Coal mining qualifications and skill sets further comments	RII60720 Advanced Diploma of Surface Coal Mining Management and the Underground equivalent are about to suddenly become extremely popular as they are quoted as being required as a result of new Coal Mining AND Metalliferous legislation called "Practicising Certificate Scheme" which means all Mining Managers / and underground equivalent will require it! Don't remove this or the Diploma AQF5 equivalent!!!!
Coal Mining Underground Environments Units of Competency further comments	These AQF5/6 units I ticked (and others) will show increasing enrolment as a result of Qld Recognised Standard 22 as well as Practising Certificate Scheme plus the increased 'complusory' Principal Hazards that are required under recent legislation changes (Coal

Unit sub-sector	Comments
	Mining Safety and Health Regulations) - September 2024.
Emergency Response and Rescue Environments Units of Competency further comments	Will be needed as a results of RS22 by 1 x Risk Owner at each underground coal operation.
Mobile Plant Operations Environment Units of Competency further comments	Might show increased enrollment as a result of RS22 in Qld Coal Mines, depending on how regulator addresses AQF5 competencies (conflicting advice to date).
Please provide additional comments	Please read Recognised Standard 22, The Practising Certification Scheme and recent CSMHAct and Regs updates in Qld to understand why some of these units are about to become more popular!
Resources and Infrastructure Environments Units of Competency further comments	All these AQF5 and 6 units Might show increased enrollment as a result of RS22 in Qld Coal Mines, depending on how regulator addresses AQF5 competencies (conflicting advice to date). Also, for both aqf 5 and 6, depends on which units industry 'adopts' as a result of RS22 compliance - right now, too many of them have almost identical title and content that is impossible / ridiculous that they are so specific. But ONE AQF5 and ONE AQF6 unit with respect to the Maintenance topics will be adopted as the default eventually.
Service and Maintenance Environments Units of Competency further comments	No idea why the coal mining industry in Qld has ignored this unit and instead chosen Automotive Tyre units!

## Metalliferous Mining

### RMS Training

Unit sub-sector	Comments
Beneficiation Environments Units of Competency further comments	Whist all of these activities require specific skill sets, many of the activities are incorporated in modernization of equipment processing. Without commenting on each individual unit, I would suggest that many are no longer an individual requirement.
Exploration Units of Competency further comments	All of these units are of little usage. The skills or knowledge required for things like operate in remote areas, undertake field trips and similar are covered in lengthy site inductions and would be of little benefit as an add on qualification. With the introduction of GPS nav systems and drones it is almost impossible not to know where you are going or where something is and these quals are not representative of current times.
Metalliferous Mining qualifications and skill sets further comments	R1140520 is a qualification that would take considerable time to complete, and I would take a guess that not many would see the advantage of holding this qualification. Many of the skills this qual would provide are no longer needed due to advancements in processing capabilities.

Unit sub-sector	Comments
	<p>RII40320 serves no real purpose. Some may have obtained this qualification as a pathway to gain QM licenses. With many now not interested in the responsibilities of being a QM and with the introduction of the latest Acts and Regs where a QM license is no longer required by some operations, then this type of qual will become less untiled.</p> <p>RII60120, I would place the same outcomes to this qualification as I have for RII40320.</p> <p>RIISS00036 - I would still see a need for this course as underground mining is current. There may be similar courses that are considered better or more readily available than this particular unit.</p>
Metalliferous Units of Competency further comments	<p>Whist all of these activities require specific skill sets, many of the activities are incorporated in modernization of equipment processing. Without commenting on each individual unit, I would suggest that many are no longer an individual requirement.</p>
Please provide additional comments	<p>I think many courses are being superseded by the evolving of mining practices. As an example, years ago miners had spotters standing on waste dumps 24 hours a day to alert the dump trucks drivers when to stop so as not to reverse back too far, now most mining trucks have reverse cameras so that task is obsolete. A lot of the units I reviewed today fall into that fold of not being as relevant as they once were.</p> <p>Also, there is a decline in companies being prepared to send employees off to complete expensive training courses whereby the the company paying for the course and employees time may gain little or no benefit from that exercise.</p>
Processing (General) Environments Units of Competency further comments	<p>I see activities like Operate Compressors as being antiquated as unlike years ago, the operation of compressors is no longer a task a such but more something we monitor. There are some nits in here that would have thought would still be utilized, such as Conduct milling and grinding. Having aid that, these activities are incorporated in modernization of mining processing systems. Without commenting on each individual unit, I would suggest that many are no longer an individual requirement.</p>
Smelting Environments Units of Competency further comments	<p>I am unsure of these two units, might leave these two for others to comment on.</p>

Unit sub-sector	Comments
<p>Technical Cross-Sector Units of Competency further comments</p>	<p>RIIPROO204D - unsure on this one, guessing most employers would be putting their employees through a Cert II or III in warehousing and this would come under a qualification such as that.</p> <p>RIICAR302D - what would be the difference between a small mine and a large mine? Mine rehab is covered and or controlled by environmental managers that work closely with the mining personnel that complete the ground works. I have completed many rehab operations for mining and never needed to ask if the personnel hold this unit of training.</p> <p>RIIHAN310E - I would think crane usage underground would no different to crane usage above ground. Whilst i fully understand the restrictions associated with underground mining, the actual task of operating a crane remains the same, therefore, most crane operators would be in possession of a high-risk crane license appropriate to their license class and would probably have little need for this training unit.</p> <p>RIILAT601E - Unsure on this one.</p> <p>RIIMEX301D - I did speak on this one earlier in that from my experience, dredging using heavy operated equipment is extremely minimal due to the cost of operating and maintaining the dredge. Much dredging now is robotic and controlled often by a person in an office.</p> <p>RIIMEX603D - Unsure on this one.</p> <p>RIIHAN401D - Unsure on this one.</p> <p>RIIMPO201E - roller operation underground is generally for road conditioning whereby the roller is used to crush and compact the loose road materials. This practice crushes the rock to reduce tyre wear and create better road surfacing. It is an ancillary task that add cost to the project. Equally, it can be counter productive and cause wall instability due to roller drum vibration. I would imagine this course would be in very low demand especially given there are standard roller courses which cover roller operations for all aspects of mining and construction.</p> <p>RIIUND204D - is not a course I would imagine attracts too much attention. With modernization of service trucks whereby fuel leaks and fuel vapors are controlled, I would not see a need for this type of course.</p>

Unit sub-sector	Comments
Underground Environments Units of Competency further comments	<p>RIIUMM201D - is a task that would or could be conducted by site drilling providers and or a defined crew that offer this service. I would not see very much activity surrounding this type of course and I would imagine having skilled and current trainers on standby waiting to offer the course would be even less likely.</p> <p>RIIUMM303D - would be the same as 201D.</p> <p>RIIUMM304D - would this not be covered under basic grader operating training? The same operators that assist in construction and maintenance of underground roads also maintain the roads for the entire site. I would think this unit not too popular for that reason as it limits the task to one area and really this skill set can be across many areas.</p> <p>RIIUMM305D - probably comes under mechanical and or electrical and comes under a broader skills umbrella more so than a singular unit.</p> <p>RIIUND305D - I fail to see how this task is a specific skill. I understand there would be specific requirements for recovering an item of equipment in an underground mine, especially in coal where conditions may be seen as more hazardous, however, having said that, the personnel doing the recovering would more than likely be skilled rescue and or mining personnel and would be dictated by site and legislative requirements and would have or be able to access the skills needed for the recovery. I am not sure companies would bother sending staff off to complete this particular unit as even if they did, would not mean that individual would be capable of completing the recovery.</p>

### South Regional TAFE

Unit sub-sector	Comments
Beneficiation Environments Units of Competency further comments	Will likely have increased use with an increase in rare-earths extraction and processing. Vital to the existing sands processing and metals refining for smaller sectors.
Please provide additional comments	The beneficiation units listed are being used by select industries on a small, but consistent scale. These units are ideal for the refining and mineral sands processing industry and although usage numbers may be smaller than large mining application, they are critical to the continuation of a successful Cert III in Resource Processing for companies like Iluka. If we make completing the RII30420 non-palatable for some enterprises, we run the risk of further lower participation rates in accredited training for the sector. There are currently 9 enrolments relating to the RII30420 related units at our campus and a further 9 using imported units

	listed in the beneficiation category at Alcoa World for the PMA30120 qualification.
Processing (General) Environments Units of Competency further comments	Sands processing currently using drying unit as it is fit for purpose.

## TAS TAFE

Unit sub-sector	Comments
Beneficiation Environments Units of Competency further comments	Low numbers in Tasmania reflect smaller mine sites in general.
Please provide additional comments	There is a concern that removal of some of these low enrolment units will have an adverse effect on states with smaller mines.
Processing (General) Environments Units of Competency further comments	Smaller numbers in Tasmania reflect smaller mine sizes.
Smelting Environments Units of Competency further comments	Smaller numbers in Tasmania reflect smaller mine sizes.

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Unit sub-sector	Comments
Beneficiation Environments Units of Competency further comments	These units are undertaken quite regularly, often as non accredited training by Mining organisations themselves - possibly needs more support and funding associated with them,
Exploration Units of Competency further comments	Servicing remote rigs is now covered more appropriately by the companies themselves, removing the need for these units to be achieved
Metalliferous Mining qualifications and skill sets further comments	Supervisors across Australia are required to achieve RII40320 and the qualification is becoming more sought after. There are some issues to achieving the qualification, due to unit choice, and qualification design for Both. The Adv Dip will become more sought after with regulatory changes. Underground shot firing is completely changed into the BEUL in NSW, and Blsat in QLD and therefore achieved via alternate routes
Please provide additional comments	Changes in the regulatory approach will increase the enrolments in numerous units of competency. Design and pathway continue to interrupt enrolments, in our industry
Processing (General) Environments Units of Competency further comments	These are niche areas on mine sites, for every 100 production mines there would be 3 plant operators undertaking these units hence the low numbers in a niche area
Smelting Environments Units of Competency further comments	As above

## Quarrying RMS Training

Unit sub-sector	Comments
General Cross-Sector Units of Competency further comments	In looking at some of these units, I would suggest that much of the skills required would fall under other units. For example, conduct sand wash plant operations is not really a skill set and nor would it have any real benefits for the employer or employee in the quarry industry so to me that would be the primary reason for poor usage. If you consider dredging as another example, running dredges is costly and the costs would more than likely outweigh the need to use them. Old style dredging is just that, its old and no one is buying old style dredges. Dredging can be done (if needed) using other means such as remote dredging operated from an office building. Units like Establish quarry development is obsolete. This role would fall under the control of engineering and be associated with CAD design.
Technical Cross-Sector Units of Competency further comments	Not sure I need to comment on each unit noted other than to say are mostly outdated. If there was a unit for how to harness a Mule for underground coal mining, then you would have to consider that we are past using Mules in underground mining. Equally, most of the units noted are either of no value to industry and or are covered in other key training areas.

## Mining Cross-sector Australian Advanced Academy

Unit sub-sector	Comments
Load Handling Environments Units of Competency further comments	RIIHAN210D should not exist as there is a high-risk licence requirement to perform intermediate rigging, having this unit allows trainers without the relevant knowledge and years of experience to sign people off in an industry that can be highly dangerous without the proper training.

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<b>Unit sub-sector</b>	<b>Comments</b>
Autonomous and Remote Operations Environments further comments	The need for these units is being externally through non-accredited drone licence outcomes
Blasting Environments Units of Competency further comments	RIIBLA602D is placed in the Adv Dip RII60720 core- and this unit supercededs but non-equivalent, yet lives in the Electives of the Diploma RII50120 - - very ordinary look for the those that look after our qualification Im afraid Blast survey needs to be a higher unit, as it is undertaken at Supervisor / Superintendent position so not aligned correctly
Business Effectiveness Environments Units of Competency further comments	the Pit ram operator is often forgotten about in Mine training
Cross-Sector Technical Units of Competency further comments	Supervise blast hole needs to be incorporated into RII40120 not left in drill by itself, as a number of supervisors have a need for this single unit of comp in the Surface extraction qualification
Emergency Response and Rescue Environments Units of Competency further comments	there are 3 units of similarity, need to be combined and re-jigged to make it relevant
Load Handling Environments Units of Competency further comments	Not aligned to workcover outcomes so would question relevancy
Materials Extraction Environments Units of Competency further comments	Regulatory changes will increase enrolments in these units
Mobile Plant Operations Environments Units of Competency further comments	Niche untis for specliased operators
Resource and Infrastructure Environments Units of Competency further comments	as per pre vous commnets
Service and Maintenance Environments Units of Competency further comments	similiar units can be combined for better outcomes
Stockpile and Reclaim Material Environments Units of Competency further comments	Niche areas increasing enrolments
Water Management Environments Units of Competency further comments	As per previous commnets

# Appendix 4 - Consolidation of Outcomes with Superseded Unit Review Project

The table below highlights qualifications, and skill sets from this project that also have superseded units identified in the Superseded Unit Review Project.

**Table A30 Intersection of Low and No with Superseded Training Products**

Qualification	Superseded Unit Project		Low and No Enrolment Project	
	Superseded Elective units	Superseded Core Units	No Enrolment	Low Enrolment
<b>AUM Qualifications</b>				
AUM20118 - Certificate II in Automotive Manufacturing Production - Passenger Motor Vehicle	7 Elective Units	N/A	No Enrolment	N/A
AUM30113 - Certificate III in Automotive Manufacturing Technical Operations - Passenger Motor Vehicle	21 Elective Units	N/A	No Enrolment	N/A
AUM40113 - Certificate IV in Automotive Manufacturing	28 Elective Units	1 Core Unit	No Enrolment	N/A
AUM50113 - Diploma of Automotive Manufacturing	9 Elective Units	N/A	No Enrolment	N/A
AUM20218 - Certificate II in Automotive Manufacturing Production - Bus, Truck and Trailer	6 Elective Units	N/A	N/A	Low Enrolment
<b>AUR Qualifications</b>				
AUR20116 - Certificate II in Automotive Administration	8 Elective Units	3 Core Units	No Enrolment	N/A
AUR20320 - Certificate II in Bicycle Mechanical Technology	2 Elective Units	N/A	N/A	Low Enrolment
AUR21020 - Certificate II in Motor sport Technology	1 Elective Units	N/A	N/A	Low Enrolment
AUR21120 - Certificate II in Automotive Sales	3 Elective Units	N/A	N/A	Low Enrolment
AUR21520 - Certificate II in Automotive Cylinder Head Reconditioning	1 Elective Units	N/A	N/A	Low Enrolment
AUR21820 - Certificate II in Automotive Steering and Suspension System Technology	N/A	N/A	N/A	Low Enrolment
AUR30116 - Certificate III in Automotive Administration	9 Elective Units	4 Core Units	N/A	Low Enrolment
AUR31120 - Certificate III in Heavy Commercial Vehicle Mechanical Technology	N/A	N/A	N/A	Low Enrolment
AUR31420 - Certificate III in Automotive Diesel Fuel Technology	N/A	N/A	N/A	Low Enrolment
AUR40116 - Certificate IV in Automotive Management	6 Elective Units	3 Core Units	N/A	Low Enrolment
AUR40320 - Certificate IV in Motor sport Technology	2 Elective Units	N/A	N/A	Low Enrolment

Qualification	Superseded Unit Project		Low and No Enrolment Project	
	Superseded Elective units	Superseded Core Units	No Enrolment	Low Enrolment
AUR40520 - Certificate IV in Vehicle Loss Assessing	1 Elective Units	N/A	N/A	Low Enrolment
AUR40620 - Certificate IV in Automotive Electrical Technology	4 Elective Units	N/A	N/A	Low Enrolment
AUR40720 - Certificate IV in Automotive Body Repair Technology	3 Elective Units	N/A	N/A	Low Enrolment
<b>RII Qualifications</b>				
RII20620 - Certificate II in Mining/Field Exploration	8 Elective Units	N/A		Low Enrolment
RII30520 - Certificate III in Mining Exploration	1 Elective Unit	N/A		Low Enrolment
RII40320 - Certificate IV in Underground Metalliferous Mining Operations	5 Elective Units	N/A		Low Enrolment
RII40520 - Certificate IV in Resource Processing	7 Elective Units	N/A		Low Enrolment
RII41220 - Certificate IV in Well Servicing Operations	2 Elective Units	1 Core Unit		Low Enrolment
RII50315 - Diploma of Minerals Processing	10 Elective Units	4 Core Units		Low Enrolment
RII50620 - Diploma of Drilling Operations	N/A	3 Core Units		Low Enrolment
RII50820 - Diploma of Drilling Oil & Gas (Onshore)	3 Elective Units	N/A		Low Enrolment
RII51020 - Diploma of Well Servicing Operations	3 Elective Units	N/A		Low Enrolment
RII60120 - Advanced Diploma of Metalliferous Mining	N/A	N/A		Low Enrolment
RII60220 - Advanced Diploma of Extractive Industries Management	N/A	N/A		Low Enrolment
RII60320 - Advanced Diploma of Underground Coal Mining Management	7 Elective Units	N/A		Low Enrolment
RII60415 - Advanced Diploma of Drilling Management	5 Elective Units	8 Core Units		Low Enrolment
RII60720 - Advanced Diploma of Surface Coal Mining Management	8 Elective Units	1 Core Unit		Low Enrolment

Skill Set	Superseded Unit Project	Low and No Enrolment Project	
	Number of Superseded units out of total	No Enrolment	Low Enrolment
<b>AUR Skill Sets</b>			
AURSS00031 - Automotive LNG Service and Repair Skill Set	2 out of 2 units superseded	No Enrolment	
AURSS00036 - Heavy Commercial Vehicle Skill Set for Light Vehicle Technicians	11 out of 12 units superseded	No Enrolment	
AURSS00038 - Mobile Plant Skill Set for Agricultural Equipment Technicians	5 out of 7 units superseded	No Enrolment	
AURSS00039 - Mobile Plant Skill Set for Heavy Commercial Vehicle Technicians	7 out of 8 units superseded	No Enrolment	
AURSS00040 - Mobile Plant Skill Set for Light Vehicle Technicians	9 out of 11 units superseded	No Enrolment	

Skill Set	Superseded Unit Project	Low and No Enrolment Project	
	Number of Superseded units out of total	No Enrolment	Low Enrolment
AURSS00045 - Vehicle Refrigerant Recovery Skill Set	1 out of 1 units superseded	No Enrolment	
AURSS00047 - Advanced Body Repair Welding Skill Set	3 out of 6 units superseded	No Enrolment	
AURSS00048 - Advanced Vehicle Refinishing Skill Set	5 out of 5 units superseded	No Enrolment	
AURSS00049 - Vehicle Climate Control and HVAC Diagnostic Specialist Skill Set	3 out of 4 units superseded	No Enrolment	
AURSS00050 - Vehicle Body Repair Estimator Skill Set	1 out of 3 units superseded	No Enrolment	
AURSS00051 - Marine Transition Skill Set	4 out of 6 units superseded	No Enrolment	
AURSS00052 - Light Vehicle Wheel Alignment Skill Set	1 out of 4 units superseded	No Enrolment	
AURSS00053 - Heavy Vehicle Wheel Alignment Skill Set	1 out of 4 units superseded	No Enrolment	
AURSS00026 - Percussive Drill Maintenance and Advanced Systems Diagnosis Skill Set	3 out of 3 units superseded		Low Enrolment
AURSS00027 - Automotive CNG Installation, Service and Repair Skill Set	1 out of 3 units superseded		Low Enrolment
AURSS00028 - Automotive CNG Service and Repair Skill Set	1 out of 2 units superseded		Low Enrolment
AURSS00029 - Automotive Electrical Skill Set for Light Vehicle Technicians	5 out of 11 units superseded		Low Enrolment
AURSS00032 - Automotive LPG Installation, Service and Repair Skill Set	1 out of 3 units superseded		Low Enrolment
AURSS00033 - Automotive LPG Service and Repair Skill Set	1 out of 2 units superseded		Low Enrolment
AURSS00044 - Vehicle Air Conditioning Service, Retrofit and Repair Skill Set	3 out of 3 units superseded		Low Enrolment
AURSS00046 - Advanced Body Repair Skill Set	2 out of 3 units superseded		Low Enrolment

Both projects share the overarching goal of ensuring relevant and effective training products. This project focuses on addressing low enrolments, while the Superseded Unit Review Project updates superseded units. Overlapping qualifications may require coordinated updates to avoid rework and ensure stakeholder engagement is maximised.

# Appendix 5 – Aggregated Feedback Survey Results

## AUM Automotive Manufacturing Training Package Feedback Survey Results

Table A31AUM Low enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with qualification design	Decreasing demand	Lack of trainers / assessors	Servicing a niche industry sector	(blank)	Total
Bus, Truck and Trailer	12	-	1	1	-	1	2	17
Common AUM	-	-	-	-	-		5	5
Passenger Vehicle	-	-	-	-	-	1		1
<b>Grand Total</b>	<b>12</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>2</b>	<b>7</b>	<b>23</b>

Table A32 AUM No enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Alternative pathway (qualification or skill set) being used	Future need	Industry or alternative use	Not currently required	(blank)	Total
Bus, Truck and Trailer	1	-	-	-	-	1
Common AUM	-	-	2	-	4	6
Passenger Vehicle	-	4	6	2		12
<b>Grand Total</b>	<b>1</b>	<b>4</b>	<b>8</b>	<b>2</b>	<b>4</b>	<b>19</b>

## AUR Automotive Retail, Service and Repair Training Package Feedback Survey Results

Table A33 AUR Low enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with qualification design	Decreasing demand	Lack of trainers / assessors	Servicing a niche industry sector	(blank)	Total
Automotive Electrical	27	8	1	18	8	78	-	140
Bicycle Repair	26	1	-	13	-	14	-	54
Body Repair	-	3	-	10	-	84	3	100
Common AUR	-	12	-	1	-	23		36
Marine	-	-	-	-	-	7	2	9
Mechanical Heavy Vehicle	12	-	15	30	2	36	-	95
Mechanical Lifting Equipment	-	-	-	-	-	6	-	6
Mechanical Light Vehicle	1	-	-	5	1	26	-	33
Mechanical Miscellaneous AUR	-	-	-	16	-	32	-	48
Mechanical Mobile Plant	3	1	-	13	-	31	-	48
Mechanical Motorcycle	-	-	-	-	-	18	-	18
Outdoor Power Equipment	-	-	-	-	-	10	-	10
Sales and Parts, Administration and Management	-	1	-	2	-	9	3	15
Motor Sport Sector	-	-	-	-	-	-	24	24
<b>Grand Total</b>	<b>69</b>	<b>26</b>	<b>16</b>	<b>108</b>	<b>11</b>	<b>374</b>	<b>32</b>	<b>636</b>

Table A34 AUR No enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Future need	Industry or alternative use	Not currently required	(blank)	Total
Automotive Electrical	18	12	25	1	56
Bicycle Repair	-	-	-	2	2
Body Repair	3	1	2	3	9
Common AUR	2	1	8	-	11
Marine	1	-	1	1	3
Mechanical Heavy Vehicle	15	12	36	-	63
Mechanical Light Vehicle	1	6	23	-	30
Mechanical Miscellaneous AUR	-	-	-	9	9
Mechanical Mobile Plant	1	-	4	-	5
Sales and Parts, Administration and Management	2	1	6	-	9
Motor Sport Sector	-	-	-	12	12
<b>Grand Total</b>	<b>43</b>	<b>33</b>	<b>105</b>	<b>28</b>	<b>209</b>

## RII Resources and Infrastructure Industry (mining) Training Package Feedback Survey Results

Table A35 RII Low enrolment survey aggregated feedback by industry sub-sector

Industry Sub-sector	Need for delivery support e.g. resources, funding	Alternative pathway (qualification or skill set) being used	An issue with training product design	Decreasing demand	Lack of trainers and assessors	Servicing a niche industry sector	(blank)	Total
Coal Mining	14	47	31	-	4	19	-	115
Metalliferous Mining	8	10	12	37	4	66	-	137
Quarrying	-	1	-	3	-	2	-	6
Drilling	-	-	-	-	-	-	-	0
Mining Cross-sector	-	1	11	1	-	45	-	58
	<b>22</b>	<b>59</b>	<b>54</b>	<b>41</b>	<b>8</b>	<b>132</b>	<b>0</b>	<b>316</b>

Table A36 RII No enrolment survey aggregated feedback by industry sub-sector

Row Labels	Alternative pathway (qualification or skill set) being used	Future need	Industry or alternative use	Not currently required	(blank)	Total
Coal Mining	-	16	54	-	-	70
Metalliferous Mining	-	-	12	3	-	15
Quarrying	-	-	3	4	-	7
Drilling	-	-	-	-	-	0
Mining Cross-sector	-	10	4	2	-	16
		<b>26</b>	<b>73</b>	<b>9</b>	<b>0</b>	<b>108</b>

