





LDTC Presentation 2021

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TRANSPORT AND LOGISTICS INDUSTRY OVERVIEW

The industry employs over 574,000 people across its major subsectors:





736

Units of

Competency





115 Skill Sets

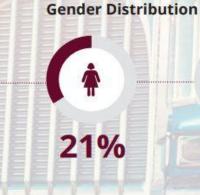
693Registered Training Organisations

road transport;

- road transpor
- logistics;
- warehousing; and
- stevedoring.

Current and Projected Workforce Size





Workforce Size by State

10.5%

4.8%

1.0%

0.5%

QLD

SA

TAS

ACT

NT







45.6 Average Age

Industry Value



Business Composition





Medium Businesses





186,231
Total Number of

TLI – Training Package Projects UPDATE

Endorsed

High Risk Work Licence Crane Review

 Skills ministers recently endorsed revised Units related to Crane High Risk Work Licenses as part of TLI Release 10.0.

At the request of Safe Work Australia, nine units have been updated and aligned to existing requirements for high-risk work licenses for crane operators as set out in Schedule 4 of the model WHS Regulations.

Current Projects

Customs Broking

In response to a request from Custom brokers in Australia, Licensed customs brokers' skills and knowledge requirements will be aligned with regulatory requirements, blockchain and data analytics to enhance the resilience of the supply chain.

TLI – Training Package Projects continued..

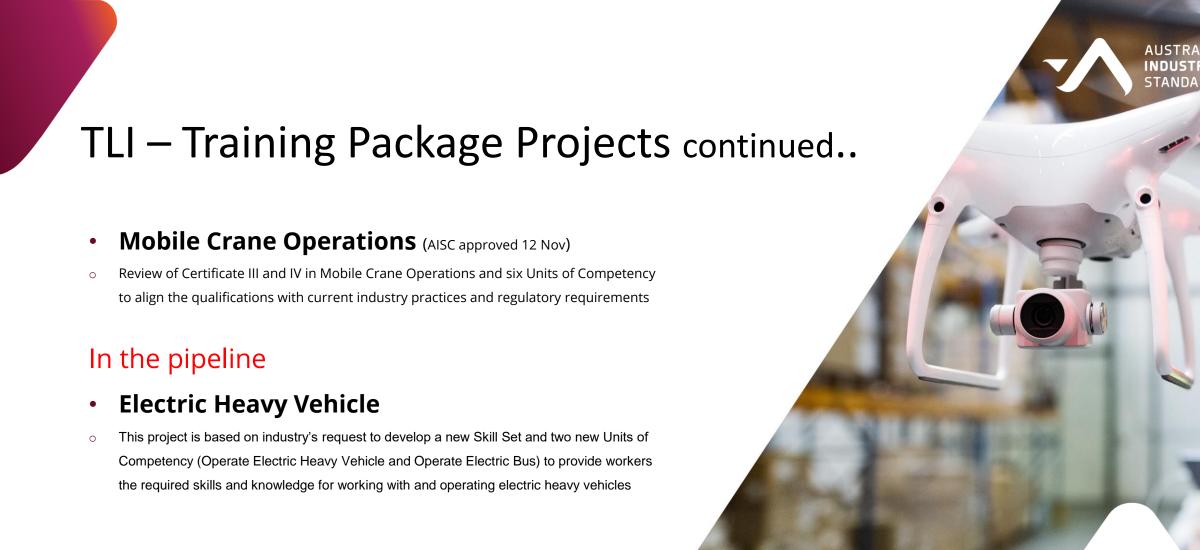
Driving Instruction

 This project will review and amalgamate the three Certificate IV qualifications in Transport and Logistics, Road Transport – Car Driving Instruction; Heavy Vehicle Driving Instruction; and Motorcycle Riding Instruction.

Materiel and Deployment Logistics

Review and update of Certificate IV, Diploma and Advanced Diploma in Materiel Logistics; the Diploma and Advanced Diploma of Deployment Logistics; and associated units to ensure the skills and knowledge requirements contained in the qualifications address changes in technology and Defence processes to enhance workforce mobility across the sector.





AVIATION INDUSTRY OVERVIEW

The Aviation industry is divided into five main subsectors:

- > domestic commercial aviation
- > international commercial aviation
- > general aviation
- > air-freight transport

Current and Projected

65,337

94,499

44.6%

Employment Growth to 2026

Workforce Size

2021

2026

> aviation support infrastructure.









21 Qualifications



50 Skill Sets

98Registered Training
Organisations

Gender Distribution



34%



66%

33.3%

Ageing Rate

2.2X
faster than all industries



42.3

Average Age

Workforce Size by state



1.3%

Industry Value



Business Composition



Large

Businesses



AVI Project Update

Current projects

Aviation Supervision

 This project will add a new specialisation stream to the Certificate IV in Aviation (Aviation Supervision), incorporating Units from the recently deleted Certificate IV Aviation (Flight Operation Supervision).

Air Traffic Control

 Review of the Diploma of Aviation (Air Traffic Control) and nine associated Units to ensure the skills and knowledge requirements contained in the qualification address changes in technology, and national standards including safety regulations associated with the role of an air traffic controller.



AVI Project Update continued

Current projects

Chief Remote Pilot

To develop a new Diploma of Aviation Chief Remote Pilot (CRP) and four new Units to enable regulatory and procedural leadership and to support the mobility of workers. Will consider using existing aviation units and those from other Training Packages in addition to the development of the four new units.

Commercial Pilot Regulatory Update

Update of two core Units in the Diploma of Aviation (Commercial Pilot Licence -Aeroplane) where the term 'incipient spin' and related criteria have been amended to address changes to CASA regulations Part 61 Manual of Standards (MOS) Schedule 2 Competency standards and Schedule 5 Flight testing standards.





In the pipeline

Commercial Helicopter Pilot

Review Units in the Diploma of Aviation (Commercial Pilot Licence – Aeroplane) that contain aspects of 'spinning', in particular 'incipient spin'. These will be updated to address changes to Part 61 Manual of Standards (MOS) Schedule 2 Competency standards and Schedule 5 Flight testing standards

Aerodrome Ground Lighting

 To develop three new Units and a new Skill Set to reflect the requirements for electricians and electrical engineers to have aerodrome lighting capability to install and repair aviation ground lighting.





In the pipeline

Aviation Rescue (deferred)

This purpose of this project is to review and update Units of Competency related to the qualifications in Helicopter Rescue Crew and Air Crew Officer.

Aviation Security Supervision (deferred)

 Proposal to allocate Units from recently deleted Certificate IV Aviation (Flight Operation Supervision) to the Certificate IV in Aviation (Aviation Supervision) and create a fourth stream to accommodate flight operations supervisors.



MARITIME INDUSTRY OVERVIEW Gender Distribution







Qualifications



36 Skill Sets

61 Registered Training Organisations

39%

66,000 Domestic Seafarers REPORTED BY AMSA

FI

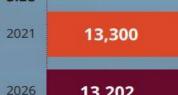


Ageing Rate 2.6X faster than all industries



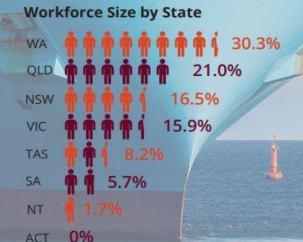
Average Age

Water Transport Current and Projected Workforce Size*









Industry Value



Business Composition



92

Medium Businesses

Businesses

Large

Ė.

Total Number of Enterprises

*NOTE: The water transport workforce is a sub-category of all domestic seafarers and related figures are presented as merely representative of the broader maritime workforce. Industrial and workforce data relating to tourism, marine rescue, fishing, aquaculture and other industries that utilise the Maritime training package are not captured. Total VET Activity data records approximately six thousand enrolments in Maritime per year which, for an industry that requires recertification every five years, would suggest an active workforce of more than 30,000. Domestic seafarer data as provided by AMSA suggests the true figure may be as high as 66,000.

ACT

MAR Project Update

Current projects

Autonomous Maritime Systems

Develop new Training Package materials related to Autonomous Maritime
 Systems (AMS), Autonomous Underwater Vehicles (AUV) and Underwater Surface
 Vessels (USV).

Marina Operations

 Review and update the Certificate III in Marina Operations Qualification and seven associated Units of Competency in the Maritime Training Package.

In the pipeline - Case for Change

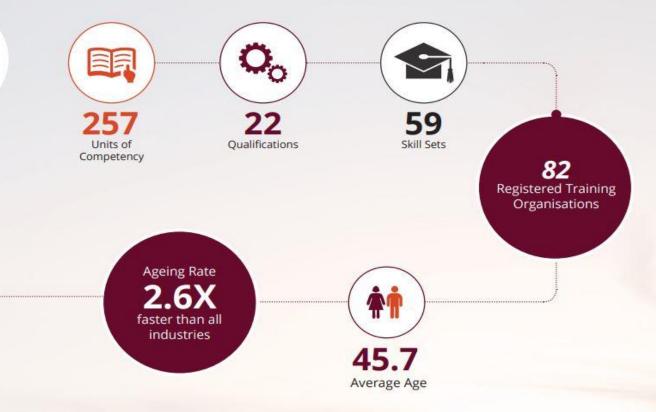
Vessel Traffic Service

Project is at the request of the regulator Australian Maritime Safety Authority (AMSA) proposes to develop new training products for Vessel Traffic Services (VTS) in response to International Maritime Organisation (IMO) Marine Orders and Australian Maritime Safety Authority (AMSA) licensing and regulatory requirements.

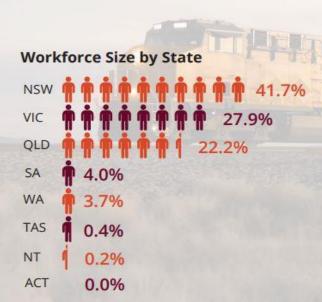


RAIL INDUSTRY OVERVIEW

The industry employs over 50,000 people across companies comprising private and public operators; passenger and freight operators; track owners and managers; manufacturers and suppliers that operate in urban; and regional and rural areas of Australia. It also employs on contracts others from peripheral industries when required including but not limited to, civil construction, engineering and labour hire companies.







Gender Distribution

23%





Large

Businesses

Total Number of

Enterprises

RAIL Project Updates

Current projects

- Rail Customer Service (submitted)
- Draft materials include updates to two qualifications, one Skill Set and eight associated
 Units of Competency, addressing customer service skills and knowledge related to
 ticketing and security requirements.
- Rail Safety Management Project
- The purpose of this project is to review and amalgamate the Certificate IV in Rail Safety Management and Certificate IV in Rail Investigation, develop two new Units of Competency and review associated units to ensure the skills and knowledge requirements contained in the qualification address changes in technology and national rail network standards, including safety regulations associated with the role of rail safety management.
- Rail Traffic Pilot Project
- The industry is experiencing rapid infrastructure growth and investment that requires skills development to ensure our rail networks remain safe for traditional and autonomous rail traffic and the community. This project will develop one new Unit of Competency and a Skill Set for Rail Traffic Pilots.



RAIL Project Updates

In the pipeline – Case for Change

Rail Mechanical Signalling Project

This project proposes to review TLI31921 Certificate III in Mechanical Rail Signaling, four Skill Sets and 10 associated Units of Competency to address rail signaling skills shortages, current industry practices and new technologies

Cases for Change (deferred)

Rail Coordinate Remote Pilot Aircraft Flight Tasking

This project is based on the rail industry's request to develop a new Skill Set and one new Unit of Competency (Coordinate Remote Pilot Aircraft Flight Tasking) to provide workers the required skills and knowledge for working with remote aircraft (drone) pilots in rail corridor.

Rail Traffic Vehicle Integrated Systems

 Proposal to develop one new Skill Set and one new Units of Competency in the Transport and Logistics Training Package to address the required skills and knowledge for working with integrated systems in rail traffic vehicles



PUBLIC SAFETY INDUSTRY OVERVIEW

Australia's Public Safety industry is highly diverse. It comprises police, fire and rescue services, maritime rescue, emergency services and emergency management agencies, Defence, and intelligence organisations, including associated administrative and support functions.







368 Registered Training Organisations

Exemptions

Police Services, Fire Protection and Other Emergency Services are excluded from this dataset.

Gender Distribution



Ageing Rate 2.9X faster than all industries



40.5 Average Age

Current and Projected Workforce Size





Workforce Size by State



Industry Value



Business Composition



Large

Total Number of Businesses Enterprises

DEF Project Updates

Current projects - Defence

Electronic Forensics

 Revision of the Certificate IV and Diploma in Electronic Forensics including 12 Units of Competency in the Defence Training Package. This is aimed at enabling Defence personnel who engage in electronic forensics to maintain currency with changing technology and software packages used in their field.

Paralegal Services

The project involves the revision of the Certificate IV and Diploma in Defence Paralegal Services, including 13 Units of Competency in the Defence Training Package to enable Defence paralegal staff to meet the demands of current legal requirements and technological advancements.

Test and Evaluations

This project is to ensure that the Training Package standards continue to align with recent Defence Test and Evaluation Capability Life Cycle processes at Defence. This will require that the two qualifications in the Defence Training Package are reviewed (Certificate IV and Diploma in Test and Evaluation) including eight Units of Competency that have not been reviewed since 2017.



DEF Project Updates

Range Control Officer

This area of Defence capability refers to the management of military range sites in any area of land, sea or air that may be designated for military manoeuvres or simulated wartime operations. The range control officer is responsible for the overall management and operation of training areas

Work Diving

Revision of 17 Units of Competency in the Defence Training Package that are not housed in a, the units are maintained by Defence as they are still used in Accredited Courses by other RTOs outside of Defence such as Australian Diver Accreditation Scheme (ADAS).



DEF Project Updates

In the pipeline

Cryptology

Navy Cryptologists work in a highly classified environment, using high-tech equipment to intercept and analyse codified language material to support the Navy's intelligence mission, and is part of the broader cybersecurity sector. The project will develop six new Units of Competency and three Skill Sets to address skill requirements for job streams within the cryptology capability area

Moral Injury

Proposes to update one qualification, one new Skill Set and three new Units of Competency in the Defence Training Package.

Psychological Support (deferred)

Proposes to review one qualification (Certificate IV in Psychological Support) and three Units of
 Competency



PUA Project Updates

Current projects – Public Safety

Emergency Care

Review and update five units in response to changes in industry practice, health regulatory requirements and the current COVID-19 pandemic. The units relate to the provision of emergency care by public safety personnel, pending the arrival of appropriately qualified personnel.

Emergency Management

Review and update 1 qualification, 12 associated Units and develop 4 new units in emergency management. The review of will address essential skills and knowledge such as effective communications, teamwork, resource management, search and rescue coordination, risk management, fire investigation, and evidence gathering.

The four new units will address human factors during response and recovery activities, community evacuations and evacuation centre management



PUA Project Updates

Fire

This will review and update 3 qualifications, 29 associated Units of Competency and develop 3 new units for the following fire related job roles. in response to the 2020 Bushfire Royal Commission, recommendations relating to the interoperability of fire agency personnel and resources.

 The new units are designed to enhance fire and emergency services capability, particularly in relation to resource sharing within and across jurisdictional boundaries

In the pipeline

Pump Skill Sets (Fire Fighting)

To update 1 qualification and develop 1 new Skill Set and 5 new Units to address a skills gap for mechanical trades personnel within the fire and emergency industry. This relates to the operation and maintenance of firefighting pumps associated with Fire Appliance/Tankers throughout Australia.



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