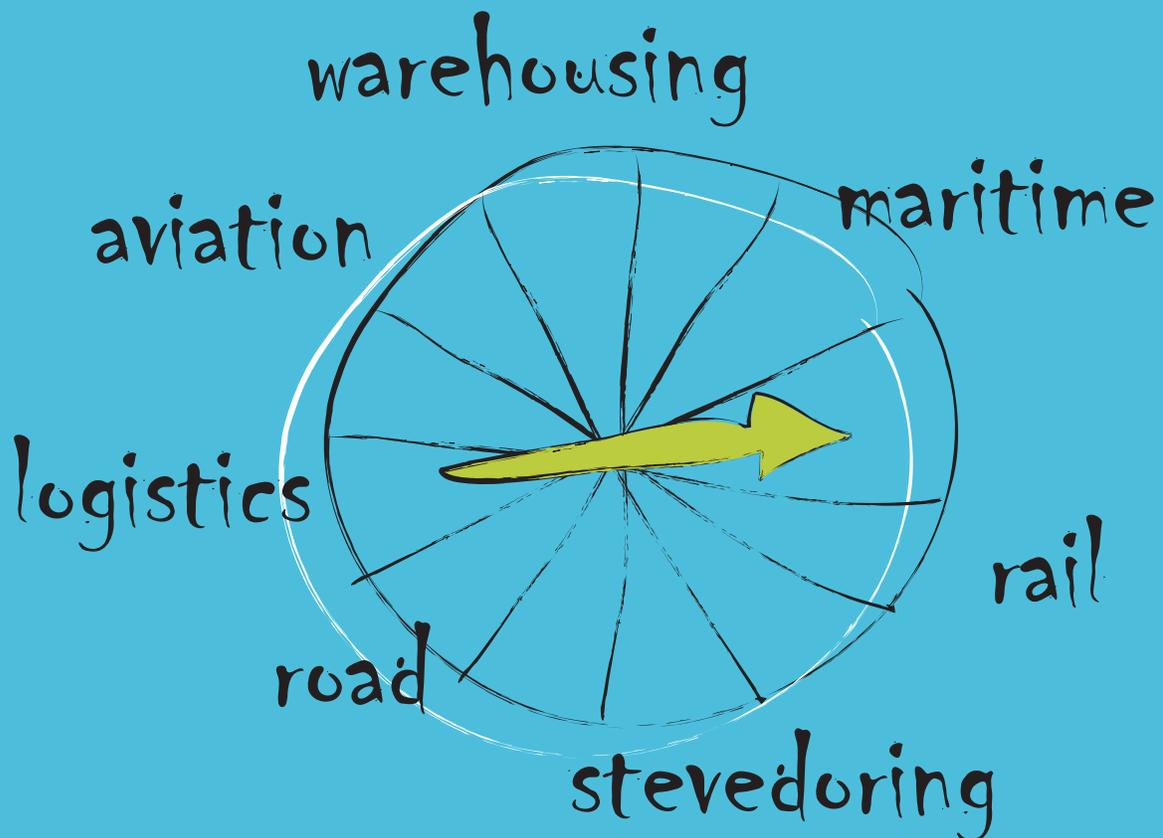


T & L

Careers Going Places

Transport and Logistics Careers
Resource Guide



An Australian Government Initiative



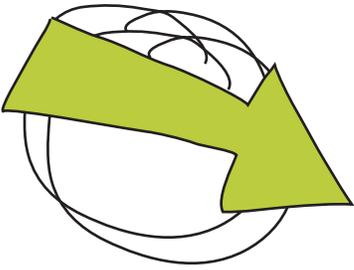
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TRANSPORT & LOGISTICS
INDUSTRY SKILLS COUNCIL LTD



Logistics Information
& Navigation Centre



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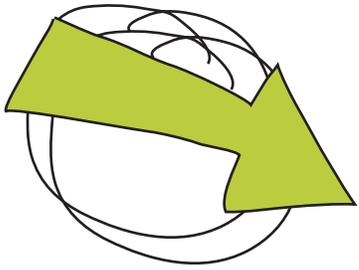


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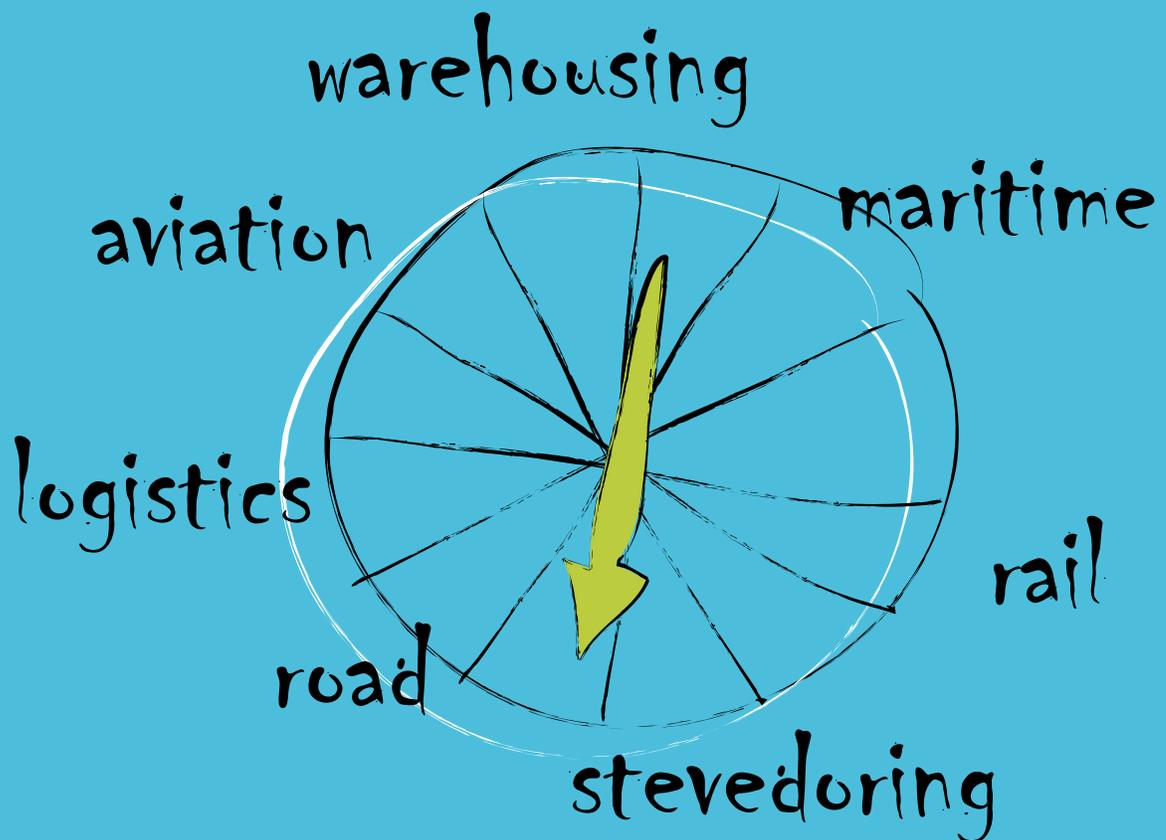
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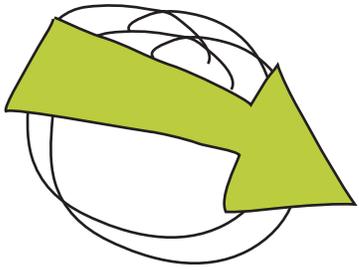
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What is the Transport & Logistics Industry?





Section 1

What is the Transport and Logistics Industry?

The Transport and Logistics Industry comprises three key areas

- > **Supply chain:** This includes everything involved in producing and delivering a final product from the supplier's supplier to the customer's customer. It includes four main processes: plan, source, make and deliver;
- > **Logistics:** Is the cost effective process of planning, implementing and controlling the efficient movement and storing of goods from the point of origin to the end user;
- > **Transport:** Is the movement of goods and passengers from one point to the other via air, sea, rail and road.

Offering services into the Transport and Logistics Industry creates numerous opportunities for any Registered Training Organisation (RTO) or VET organisation. Changes in technology, economic growth, an ageing workforce and increased security concerns have all driven the Transport and Logistics Industry to seek training as a solution to redress concerns over issues with skill shortages within the industry. The need for workers to acquire skills and knowledge are becoming an essential driver within the industry. This includes skills with technology and management as well as a broadening base of knowledge across the supply chain.

Industry Overview

A statistical report commissioned by the Australian Logistics Council suggests that Transport and Logistics Industry activity contributes over 14% to Australia's Gross Domestic Product. This represents the largest contribution to the national economy of any sector in Australia. To put that into context - manufacturing accounts for 10.3% of the national economy, Retail is 5.1% and Agriculture, Forestry and Fishing is a combined 2.7%.

Several studies have predicted the freight task (that is total tonnage times total distance) will double in the 20 years to 2020. Coupled with an average industry age over the norm (in excess of 45 years), this means that there are significant opportunities for people looking to join this industry, both now and in the future.

Most firms in the industry are small to medium in size. 65% of all firms employ 100 workers or less. These firms on average employ around 10 people; generate business of 2.2 million and profits of \$77,000.¹ Transport and logistics is also found within companies whose core business lies elsewhere, such as in the retail industry which includes storage, distribution, transport & logistics planning activities. Employees in the industry participate in a diverse range of occupations from drivers to logistics planners.

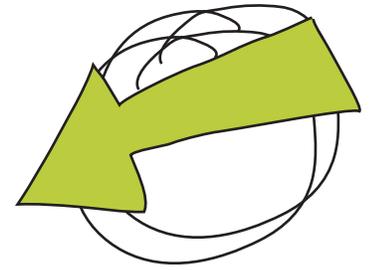
¹ ANTA Industry Skills Report Transport and Logistics Industry Skills Council, February 2005 p.8



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What is the Transport and Logistics Industry?



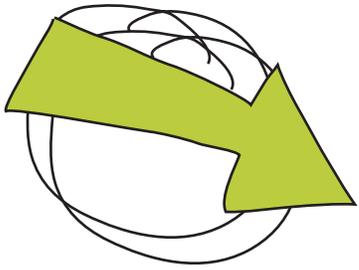
There is an equally diverse range of skills and abilities exhibited by employees in the industry. At entry level workers require basic skills such as driving and freight handling skills. At frontline management and management levels participants require complex problem solving and communication skills.

Industry Vocational Training Environment

The modern VET professional should see myriad opportunities in the diverse range of skills and the wide variety of aptitudes on display within the industry. Of significant importance is the vast number of enterprises who might be serviced by VET professionals and the need for this variety of services to be offered seamlessly to the transport and logistics customer. Provision of flexible training in a variety of skills to a variety of recipients appears destined to grow.

Of the over a 1000 Australian Apprenticeship qualifications available, two of the top six take-ups are Certificate III in Transport & Distribution - Warehousing and Certificate III in Transport & Distribution - Road Transport. Less than 1% of the take-ups are school based and school based participation is just starting to gather some momentum. Clearly the transport industry is interested in training as indicated by the popularity of the certificates mentioned.

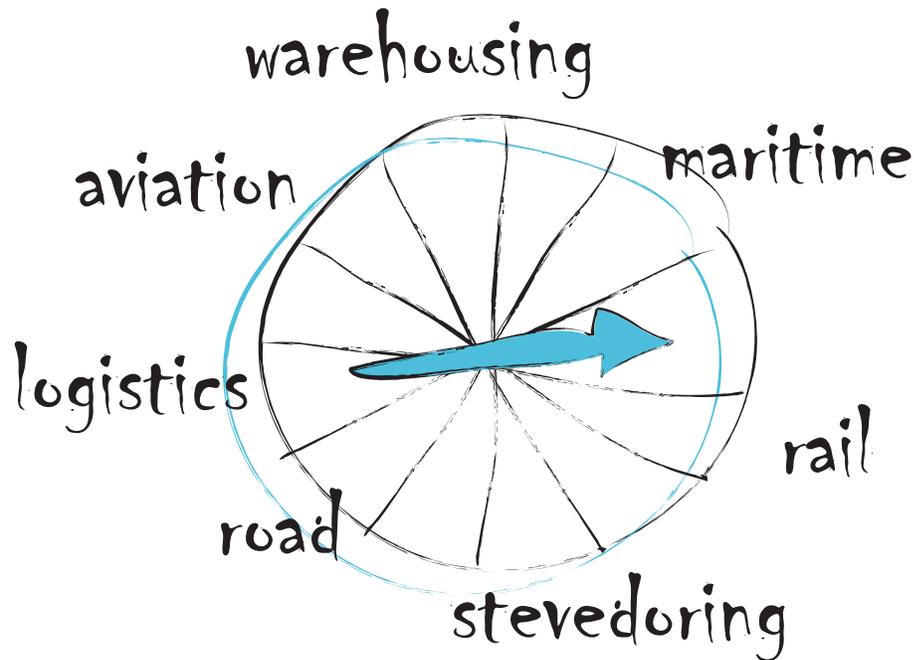




Section 1

What is the Transport and Logistics Industry?

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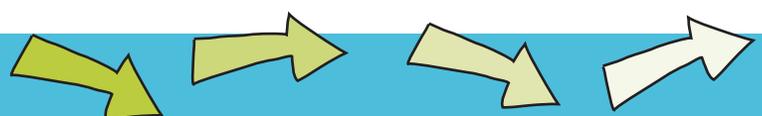


Road Transport employs around half of the people in the Transport and Logistics Industry & 'truck driver' is the number one career in Australia . Road Transport is divided into two sectors, freight and passenger. According to authorities volumes of road freight is expected to double before 2020. Domestic passenger services are largely covered by private motor car and buses, both government and private run.

Trucks are a critical part of the lifestyle we enjoy as Australians – they provide access to the goods we demand as consumers. Australia can boast to have the largest trucks in the world – necessary for negotiating our vast land efficiently and economically. Even when the primary freight movement is by another mode, eg rail or sea, trucks still play a vital part in the supply chain by transporting goods to and from the railhead or port.

Rail Transport includes freight transport (such as moving containers and coal) and passenger services (metro, regional and interstate, including light rail and trams). Included in the rail industry are terminal operations, train stations and container operations. Rail is supported by infrastructure construction and maintenance and rolling stock manufacture and maintenance. Over the last decade the industry has changed significantly with the introduction of privatisation and competition policy. There are now over twenty major rail providers and Australia's heavy-haul freight network has been described as the most efficient in the world.²

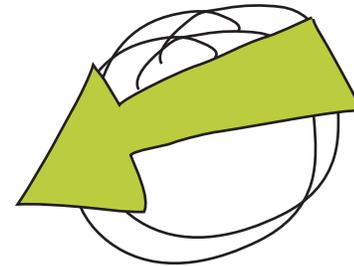
² Austrade, Railway Capability Overview



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What is the Transport and Logistics Industry?



The **Maritime Industry** is divided into two sectors; blue water (large vessels under international survey) and near coastal (vessels registered at state and territory level, including fishing boats, charter vessels and ferries). Near coastal vessels play a significant role in the tourist market, particularly along the Queensland coast, in Sydney Harbour and in coastal areas in other cities. Large Bluewater vessels such as Container ships, Bulk Grain Vessels, Petroleum Carriers, and Roll-on, Roll-off Vessels (Car carriers) provide Australia's primary link to world trade and goods – over 90% by value and over 97% by weight.

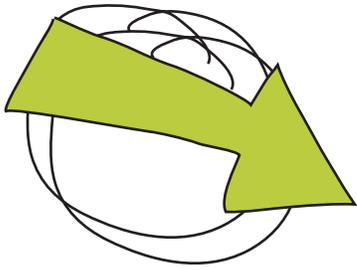
Port Operations (including stevedoring) involves the loading and unloading of cargo at 38 ports around Australia. The industry is made up of state and territory run corporations and private sector enterprises and the quantity of freight moving across Australia's wharves is growing rapidly in line with the growth in Australia's total freight task.

Aviation is represented by five main areas; general aviation, regional, domestic and international airlines and airport operations. It employs eleven percent of the total Transport and Logistics Industry and is expected to continue to show significant growth into the future. While the Aviation industry carries less than 1% of Australia's international freight by weight, it carries approximately 10% by value.

The **Warehousing Industry** in recent years has moved away from small suburban warehouses which store goods to large hub-based distribution centres devoted to 'just-in-time' delivery and storage of goods and materials. The warehouse industry is now served by paperless records, information technology and automated picking and packing processes. Storage and Warehousing efficiency is one of the primary battlefronts between some of Australia's largest retail companies – the costs saved here impact on the prices we pay and hence where we shop.

Logistics services are provided by organisations who manage the transport and distribution of materials (such as Freight Forwarders), or provide specialist knowledge and skills (such as Customs Brokers). For example, air freight can only be booked through Freight Forwarders – airlines will not accept freight from the general public or business sector direct. The logistics industry is about balancing the movement of freight while meeting demand, minimising total costs, maximising efficiency and ensure compliance with all regulatory requirements.³





Section 1

What is the Transport and Logistics Industry?

Qualifications in the Transport & Logistics Industry

Given the size of the transport and logistics industry, it is unsurprising that a wide variety of skills and qualifications are sought after. This includes Bachelor and higher University Degrees, Vocational Education Diplomas and Certificate Qualifications, and Apprenticeship taught trades. Further information is provided in Section 2: Career Briefs about the specific courses that are essential and advantageous to hold for specific positions.

The ISC's three Training Packages (Aviation, Maritime, and Transport & Distribution) provide the only nationally recognised Vocational Education and Training (VET) qualifications across the Transport and Logistics Industry. The following table outlines which qualifications are currently available:

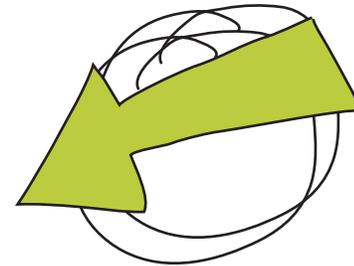
| Training Package | AQF Level | Qualification Area |
|------------------|------------------|--|
| Aviation | | |
| | I | Aviation Foundation Skills |
| | II | Aviation Flight Operations Aviation Ground Operations and Service |
| | III | Aviation Flight Operations Aviation Ground Operations and Service |
| | IV | Aviation Flight Operations Aviation Ground Operations and Service |
| | Diploma | Air Traffic Control |
| Maritime | | |
| | I | Maritime Operations |
| | II | Maritime Operations Marine Engine Driving |
| | III | Maritime Operations Marine Engine Driving |
| | IV | Maritime Operations Marine Engineering |
| | Diploma | Maritime Operations Marine Engineering |
| | Advanced Diploma | Maritime Operations Marine Engineering |



Section 1

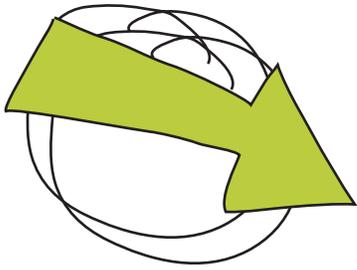
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What is the Transport and Logistics Industry?



| Training Package | AQF Level | Qualification Area |
|--------------------------|------------------|--|
| Transport & Distribution | | |
| | I | Warehousing and Storage Road Transport Stevedoring Rail Operations Rail Infrastructure Administration |
| | II | Warehousing and Storage Road Transport Stevedoring Rail Operations Rail Infrastructure Administration |
| | III | Warehousing and Storage Road Transport Stevedoring Rail Operations Rail Infrastructure Cash in Transit Mobile Crane Operations Administration |
| | IV | Warehousing and Storage Road Transport Stevedoring Rail Operations Rail Infrastructure Mobile Crane Operations Administration |
| | Diploma | Logistics Management |
| | Advanced Diploma | Logistics Management |





Section 1

What is the Transport and Logistics Industry?

What are the training pathways into the Transport and Logistics Industry?

There are a number of different pathways into Transport & Logistics. Australian Apprenticeships are the most common pathway undertaken- In fact two T&L Australian Apprenticeships (Certificate III in Road Transport & Certificate III warehousing) make up 2 of the top 6 Apprenticeships undertaken throughout Australia.

Pathways into careers in the Transport and Logistics Sector can also be achieved through direct entry VET and academic qualifications. Courses for people who want to learn how to plan and manage logistics operations can be found in tertiary institutes, via online courses and through traditional correspondence courses. Courses can be achieved at Certificate, Diploma, Degree and post graduate levels.

There are also a number of School-based opportunities for students to undertake that are beneficial to all stakeholders. Below are tables explaining the main Vocational Education & Training in Schools (VETIS) programs available for students to get there careers moving in T&L.

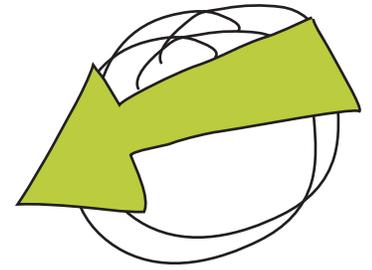
It is noted that State Training Authority requirements may differ from state to state.



Section 1

1

What is the Transport and Logistics Industry?



Structured Workplace Learning

- Allows students to acquire skills and knowledge in a T&L Industry setting as part of a VETIS program
- Usually around 20 days per year and can be as a block or day release
- Tasks that students undertake are negotiated with the employer
- Employers assist with assessing a students employability skills
- Designed for senior secondary school students

STUDENTS - What's in it for you?

- You actually get to use what you're learning, in a workplace
- A chance to check out what it's like to work in T&L
- Perfect chance to find out about the wide variety of jobs in T&L
- In the meantime you're gaining valuable workplace experience & skills

EMPLOYERS - What's in it for you?

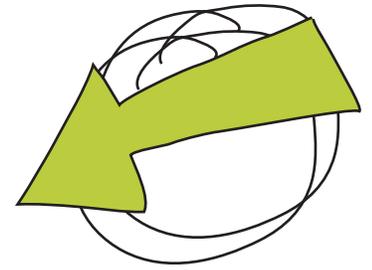
- Observe potential T&L employees
- Streamline your recruitment process
- Provides students the opportunity to gain valuable T&L experiences
- Understand and maintain communication with the education system
- By having your correct employees working as mentors, you're developing their training skills (Mentoring may assist with retention of staff ie: part-time)



Section 1

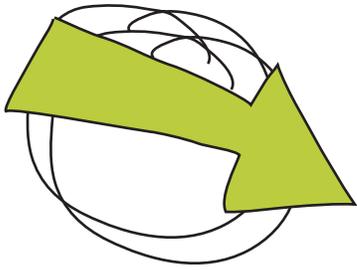
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What is the Transport and Logistics Industry?



| Program | Description |
|-----------------|---|
| Work Experience | <ul style="list-style-type: none">• Involves secondary school students in short work placements (usually one to two weeks)• A chance to broaden students experience and understanding of the workplace and potential T&L career options• Students observe and participate in various aspects of work under supervision• Usually involves Year 10 students <p>STUDENTS - What's in it for you?</p> <ul style="list-style-type: none">• A chance to see what a T&L workplace is like• A chance to explore the possibilities for a job in T&L• A chance to see what the T&L work environment is like• Best way to get an initial understanding about the T&L Industry <p>EMPLOYERS - What's in it for you?</p> <ul style="list-style-type: none">• An opportunity to begin an on-going relationship with an enthusiastic student that may continue down one of the T&L career paths• Provides additional labour for a short period of time• Provides students the opportunity to gain valuable T&L experiences• Understand and maintain communication with the education system |





Section 1

What is the Transport and Logistics Industry?

1

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EMPLOYERS - What's in it for you?

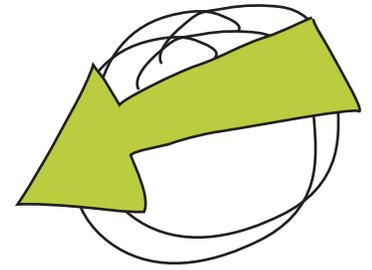
- Observe potential T&L employees
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What is the Transport and Logistics Industry?



Vocational Placement

- Where a student is placed in a T&L workplace to receive practical training and experience as part of a training program
- Usually placements are for less than 240 hours
- Training is unstructured with no “set tasks” pre-organised
- It complements training delivered by the Registered Training Organisation

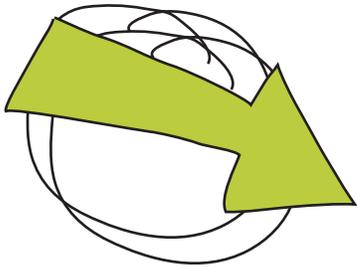
STUDENTS - What's in it for you?

- Chance to try different things in a T&L organisation
- See the organisation on a regular basis, over an extended period of time
- Vocational Placement provides more variety than other VETIS programs
- Gives you the chance to get to know new people and build relationships as well as skills

EMPLOYERS - What's in it for you?

- It allows you to have an extra set of 'hands on deck', over an extended period of time
- Tasks aren't set so students can move around to where ever help is needed





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What is the Transport and Logistics Industry?

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Australian School Based Apprenticeships (ASBA)

- Students are employees of the organisation
- Students are trained and assessed by the Registered Training Organisation (RTO) of the T&L employers choice, which may be the school
- Students are trained to suit the needs of the T&L employer
- Students are paid for the time they spend in the workplace
- On satisfactory completion of the program receive a nationally recognised T&L VETIS qualification
- Students complete Year 11 and 12 studies at the same time as undertaking their School Based Apprenticeship
- Employers may receive incentive payments for taking on a School-Based Apprentice
- Opportunity for employers to assist in the development of the training plan to suit the demands of their enterprise and the T&L Industry
- Training providers, including schools, may also receive additional government funding (depending on the state or territory)

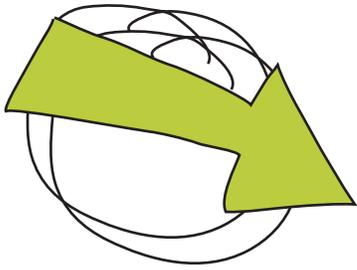
STUDENTS - What's in it for you?

- Become a paid employee of a T&L organisation
- Get a nationally recognised qualification while you study
- Chance to get a 'foot in the door' to the T&L industry
- Fantastic way to begin a career pathway in T&L

EMPLOYERS - What's in it for you?

- There's financial incentives for employers taking on eligible Australian School Based Apprentices
- There's payroll tax or Workcover exemptions depending on which state you're in
- It's just like having a part-timer, generally for one day a week
- Opportunity to tailor their training to the specific needs of your organisation
- By having your current employees working as mentors, you're developing their training skills
- Chances to gain fresh new staff with new ideas





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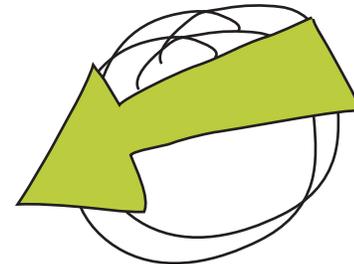
What is the Transport and Logistics Industry?

| | |
|-----------------------------|--|
| <p>Enterprise Learning</p> | <ul style="list-style-type: none">• Allows student to develop business skills such as: being innovative, thinking critically and managing finances• Often conducted in a simulated or virtual setting• Helps students to understand how a business is run• Students must apply their understanding of business in order to progress their learning• Work tasks link learning to the real world <p>STUDENTS - What's in it for you?</p> <ul style="list-style-type: none">• Chance for you to practice and test your business skills without the risk• You become a decision maker in your virtual organisation• Opportunity to make an impression to Industry Mentors who may eventually recommend you for employment or provide you with a reference <p>EMPLOYERS - What's in it for you?</p> <ul style="list-style-type: none">• You will work as T&L Industry Partners which means the students will have a chance to be using their entrepreneurial skills in a simulated T&L environment with your guidance• Opportunity for your employees to become Industry Champions as they develop and refine their mentoring skills |
| <p>For more information</p> | <p>www.tlisc.com.au www.curriculum.edu.au/enterprise www.ceawa.org.au (The Get Real Game) www.decs.act.gov.au www.opcet.tas.gov.au/enterprise www.smallbiz.nsw.edu.au www.newapprenticeships.gov.au www.otte.vic.gov.au www.sofweb.vic.edu.au www.vcaa.vic.edu.au www.deet.nt.gov.au www.training.sa.gov.au/ovet_home.asp www.transportal.com.au</p> |



Section 1

What is the Transport and Logistics Industry?



Who's who in Transport & Logistics Training?

The following section is devoted to mapping the landscape of information and regulatory services in training in the Transport and Logistics Industry. **In no sense is this list exhaustive**, but it is designed to provide a series of first instance contacts that may provide the appropriate information or serve to direct the user to second and third instance inquiries.

Federal Government

Department of Education, Science and Training (DEST)

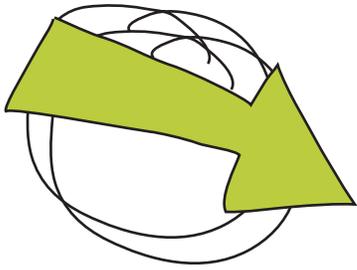
The Department of Education, Science and Training provides support to the Government's objectives in the area of education, science and training. DEST works in collaboration with the States and Territories, industry, other agencies and the community as well as providing leadership. It develops and implements policies to ensure the continuing relevance of education, science and training to contemporary needs and the growing requirement for lifelong learning.

DEST have one of the most comprehensive website with links to publications, relevant associate bodies, organisations that assist RTO's, enterprises, educational institutions and trainees. www.dest.gov.au

Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA)

MCEETYA is a body comprising state, territory, Australian Government and New Zealand Ministers with responsibility for the portfolios of education, employment, training and youth affairs, with Papua New Guinea and Norfolk Island having observer status. MCEETYA's areas of responsibility include all sectors of education and training as well as employment and youth affairs. MCEETYA replaced three previously existing councils: the Australian Education Council (AEC), the Council of Ministers of Vocational Education, Employment and Training (MOVEET) and the Youth Ministers Council (YMC). www.dest.gov.au (follow the links)





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What is the Transport and Logistics Industry?

Ministerial Council on Vocational Training

Created under the Skilling Australia Workforce Act 2005, it is designed to collaborate with MCEETYA on issues of vocational training. It comprises federal and state ministers of training and among other things is responsible for policy and planning issues on

- national strategies for vocational education and training
- arrangements for delivery of VET nationally
- principles for funding
- allocations of expenditure

www.mceetya.edu.au

State and Territory Governments

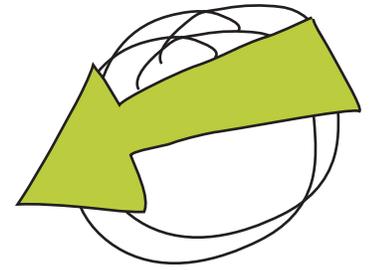
Below are a series of state and territory departments with interests in providing assistance, information and in some instances, regulation in the area of vocational training. These institutions are normally referred to as State/Territory training authorities.

| State/territory training authorities | Websites |
|---|--|
| Australian Capital Territory Department of Education and Training | www.decs.act.gov.au |
| New South Wales Department of Education and Training | www.det.nsw.edu.au |
| Northern Territory Department of Employment, Education and Training | www.deet.nt.gov.au |
| Queensland Department of Employment and Training | www.trainandemploy.qld.gov.au |
| South Australia Department of Further Education, Employment, Science and Technology | www.dfeest.sa.gov.au |
| Tasmania Department of Education | www.education.tas.gov.au |
| Victoria Office of Training and Tertiary Education | www.otte.vic.gov.au |
| Western Australia Department of Education and Training | www.training.wa.gov.au |



Section 1

What is the Transport and Logistics Industry?



Who's who in the Transport & Logistics Industry?

REGULATORS

Australian Maritime Safety Authority

AMSA is a government agency with the charter of enhancing efficiency in the delivery of safety and other services to the Australian maritime industry. www.amsa.gov.au

Australian Transport Safety Bureau

The Australian Transport Safety Bureau (ATSB) is an operationally independent body within the Australian Government Department of Transport and Regional Services and is Australia's prime agency for transport safety investigations. The bureau is entirely separate from transport regulators and service providers. The ATSB's objective is safe transport. Its mission is to maintain and improve transport safety and public confidence through excellence in:

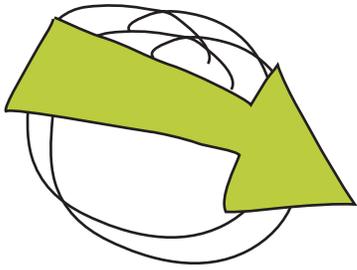
- independent investigation of transport accidents and other safety occurrences;
- safety data recording, analysis and research; and
- raising safety awareness and knowledge.

The ATSB performs its functions in accordance with the provisions of the Transport Safety Investigation Act 2003 (TSI Act). Section 7 of the TSI Act indicates that the object of the Act is to improve transport safety through, among other things, independent investigations of transport accidents and incidents and the making of safety action statements and recommendations that draw on the results of those investigations. www.atsb.gov.au

Civil Aviation Safety Authority

CASA's primary function is to conduct the safety regulation of civil air operations in Australia and the operation of Australian aircraft overseas. It is also required to provide comprehensive safety education and training programs and cooperate with the Australian Transport Safety Bureau. CASA issues Manuals of Standards in support of Civil Aviation Safety Regulations by providing detailed technical material. www.casa.gov.au





Section 1

What is the Transport and Logistics Industry?

1

Department of Transport and Regional Services

DOTARS provides policy advice to the Ministers and Parliamentary Secretary for the Transport and Regional Services portfolio and delivers a variety of programs on behalf of the Commonwealth Government.

DOTARS conducts research, analysis and safety investigations; provides safety information and advice based upon these investigations; and performs regulatory functions. They have a strong policy development role, together with program administration and service delivery responsibilities. www.dotars.gov.au

National Marine Safety Committee

The National Marine Safety Committee (NMSC) was established in late 1996 by the Inter-Governmental Agreement for a National Marine Safety Regulatory Regime.

The NMSC is responsible for implementing the National Marine Safety Strategy. This strategy aims to achieve consistency and enhanced safety in commercial vessels and recreational boating on a national basis. www.nmsc.gov.au

National Transport Commission

Under Australia's Federal system of government, States and Territories can regulate driver and vehicle operations and standards, weights and dimensions. This has led to many different rules, creating hassles and unnecessary costs when driving interstate. The National Transport Commission (NTC) was formed in 1991 to overcome these barriers to more efficient road transport by introducing nationally consistent transport policies and laws.

www.ntc.gov.au

State Agencies

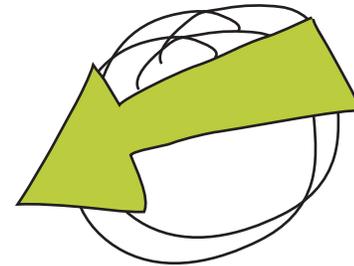
As well as the above agencies each state has a raft of regulators and licensing boards that administer road, rail, maritime and aviation in areas in conjunction with/and in support of, Federal agencies. Just to name a few:

- VicRoads
- Department of Transport – Tasmania
- Department of Transport and Works - Northern Territory



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- Department of Transport - Western Australia
- Main Roads Western Australia
- NSW Department of Transport
- Queensland Department of Main Roads
- Roads and Traffic Authority NSW
- The Department of Transport, Energy & Infrastructure - SA

OCCUPATIONAL HEALTH & SAFETY

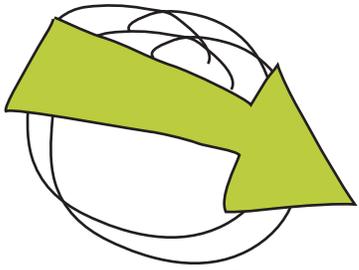
Both Federal and State governments have a series of regulators and administrators in the important and pervasive areas of OHS and the environment. Both these areas are increasingly impacting on the transport and distribution industry. Below is a brief illustrative sample of some of the bodies that operate in these areas, this list is designed to help you navigate your way to relevant organisations in your area.

- Office of the Australian Safety and Compensation Council
- WorkCover NSW
- Victorian WorkCover Authority
- WorkSafe Western Australia Commission
- WorkCover Corporation of South Australia
- Queensland Division of Workplace Health & Safety
- Workplace Standards Tasmania
- NT WorkSafe
- ACT WorkCover

ENVIRONMENT

- Environment Australia
- National Environment Protection Council
- Environment ACT
- Environment Protection Authority (NSW)
- Department of Lands, Planning and Environment (NT)
- Environmental Protection Agency (Qld)
- Environmental Protection Authority (S.A)





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Who's who in Transport & Logistics Training?

VET Sector

Both Federal and State authorities have created a number of not-for-profit organisations that help trainees, professionals and stakeholders organise and advise on training as well as assist in applying for funding. Also there are a number of enterprises that assist their clients in a similar fashion. Below is a list of these associated agencies, dedicated to assisting their clients with training information and services.

Industry Skills Councils

Since the national VET system was formed, a range of industry advisory bodies have been the key conduits of advice and information between the VET system and industry. They provided a way for industry needs to be identified, communicated, and serviced and they have had primary responsibility for the development and maintenance of training packages.

In 2003, the ANTA Board decided to take a new approach to exchanging advice and information with industry to support a future-oriented focus on wealth creating and evolving industries.

Under the new approach, a new communication channel with industry is being created through the establishment of 10 new 'Industry Skills Councils', which have progressively replaced the existing industry training advisory bodies.

The Industry Skills Councils have two key roles:

- providing accurate industry intelligence to the VET sector about current and future skill needs and training requirements, and
- supporting the development, implementation and continuous improvement of quality nationally recognised training products and services, including Training Packages. www.isc.org.au



Transport and Logistics Industry Skills Council (T&LISC)

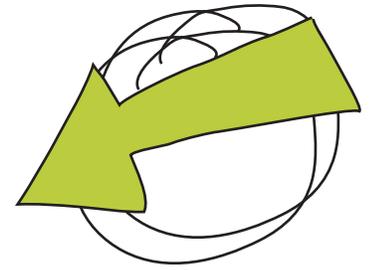
Of significance and importance to the Transport and Logistics Industry is the I.S.C. The Skills Council was formed in 1995 after amalgamating the Industry Training Boards for road transport and warehousing, maritime, rail and stevedoring. T&LISC's formation was the result of industry demanding a more active role in assisting employees with their training, and followed the 1993 establishment of the Australian National Training Authority (ANTA) – a federation of Commonwealth and State/Territory Government training agencies.



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The Skills Council's key role is to consult with industry to develop and promote Industry Standards for training, known as 'Training Packages' that meet industry needs. Industry qualifications are developed by 'packaging' units of competency together. With knowledge and training as The Skills Council's priority, industry is the ultimate beneficiary.

T&LISC plays a major role in advocating industry training needs to DEST, State, Territory and Commonwealth Governments as well as promoting government training policies and programs to industry.

These roles are critical to ensure that the industry continues to be supported by a sound and relevant vocational education and training infrastructure.
www.tlisc.com.



The Logistics Information and Navigating Centre

The SAFC's LINC (Logistics Information and Navigation Centre) website contains career briefs for a large number of T & L careers and other information. The Careers Briefs in section 2 of this book are taken from LINC & are constantly revised to provide the best, most accurate information available. Please see www.the-linc.com.au for the latest revisions.

Australian Apprenticeship Centres (AAC's)

AAC's are organisations providing advice and assistance to apprentices, trainees and employers with training arrangements, training agreements and financial incentives under the Australian Apprenticeships system. www.aatinfo.com.au

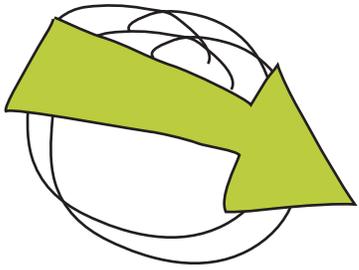
AAT Info service

AAT Info service (Australian Apprenticeship Training Information Service) provides sample training programs and job pathway charts for Australian Apprenticeship qualifications and a range of other links including State Training Authorities. www.aatinfo.com.au

Group Training Companies (GTC)

A GTC employs apprentices and trainees, and places them with one or more host employers who are usually small to medium-sized businesses. The host employers provide on-the-job training and experience, while the group training company organises off-the-job training, and handles recruitment, rotation and payroll.





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Group Training Australia

Group Training Australia (GTA Ltd) is a peak body representing over 150 Group Training Organisations (GTO's) employing just on 40,000 apprentices and trainees.
www.gtaltd.com.au

Transportal

Transportal is a link to the Transport and Logistics Industry, where businesses and individuals can find out about training. www.transportal.com.au

myfuture

myfuture is a link to career related topics. www.myfuture.edu.au

Australian Training Products

Australian Training Products is a supplier of nationally endorsed training products. All endorsed training packages can be found at ATP as well as, trainer and learner guides and other support material. www.atpl.net.au

National Centre for Vocational Educational Research (NCVER)

National Centre for Vocational Educational Research (NCVER) is a not-for-profit company owned by the federal, state and territory ministers responsible for training. It is responsible for collecting, managing, analysing, evaluating and communicating research and statistics about vocational education and training (VET). www.ncver.edu.au

The National Training Information Service

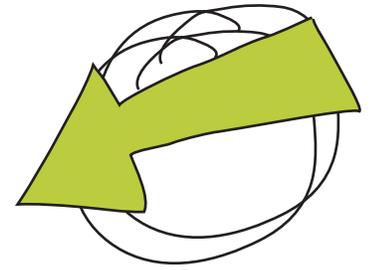
The National Training Information Service was developed to provide access to current and emerging training market information and products in vocational education and training. Currently, the NTIS comprises a database of:

- VET accredited courses
 - competency standards
 - Training Packages
 - training providers and text information on a range of complementary issues.
- www.ntis.gov.au



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Careers Advice Australia

Career Advice Australia is an Australian Government initiative aimed at providing young Australians with improved access to high quality information on career opportunities in industry to assist Australian industry address skills needs and engage in young people's career development.

The network consists of two tier of industry advice including 10 National Industry career Specialists and 57 Regional Industry Career Advisers, as well as 213 Local Community Partnerships and 100 Youth Pathways providers working directly with young people and industry across Australia.

www.connecttoyourfuture.dest.gov.au



National Industry Career Specialist (NICS)

The Transport and Logistics Industry Skills Council is the NICS for T&L. It provides an opportunity to market career opportunities and pathways to young people (13-19yo), through the Career Advice Australia network.

www.tlisc.com.au

Who's who is the Transport & Logistics Industry?

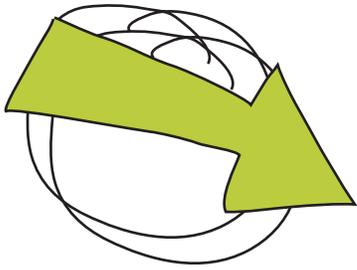
Enterprise Transport & Logistics Leaders

STEVEDORING

D.P WORLD

DP World is one of the largest marine terminal operators in the world with 42 terminals spanning 22 countries, and a team of more than 30,000 serving customers in some of the most dynamic economies in the world. In early 2006, DP World acquired P&O, including P&O Ports. The combined 2006 throughput of the company was around 42 million* TEU (twenty-foot equivalent container units) from the Americas to Asia, with global capacity of more than 48 million TEU. That capacity is set to increase significantly in coming years with a committed pipeline of expansion and development projects in key growth markets, including India, China and the Middle East. Capacity will rise to around 84 million TEU by 2016. <http://portal.pohub.com>





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Patricks/Asciano

Patrick port Services offers a complete range of land-based services to shipping lines, freight forwarding agents, customs brokers, importers and exporters.

Customers benefit from the fact that each service can be connected with and backed up by the Patrick Corporation's full complement of transport and logistics operations. <http://www.patrick.com.au>

AVIATION

QANTAS

Qantas is widely regarded as one of the world's leading long distance airlines. Qantas also operates subsidiary businesses including other airlines, and businesses in specialist markets such as Qantas Holidays and Qantas Flight Catering. www.qantas.com.au

Other Major Airlines operating in Australia include Emirates, Singapore Airlines, Cathay Pacific and Malaysian Airlines

Virgin Blue

Is an international passenger airline covering a wide variety of destinations across Australia and throughout the world. www.virginblue.com.au

RAIL

Queensland Rail (QR)

QR sells four main products:

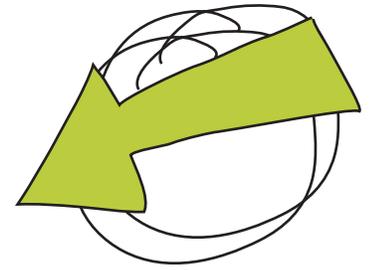
- Freight and logistics services;
- Commuter and long-distance passenger services;
- Track access for our narrow, standard and dual gauge network; and
- Rail-specific expert services.

QR moves more freight than any other company in Australia and continues to set new annual haulage records. QR's business provides a broad range of freight transport and logistics solutions to a wide range of customers in many industries within Queensland and throughout Australia. QR is currently positioning itself to become a major national containerised freight logistics business. www.qr.com.au



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Pacific National

Pacific National is Australia's largest private rail freight business. Operating in all states and the Northern Territory, Pacific National is a transport leader, delivering investment, innovation and growth in rail to provide the competitive answer for transport customers. <http://www.pacificnational.com.au>.

Other major companies in Rail include SCT and Freightlink.

MULTI MODAL

TOLL

Toll is one of the Asian region's leading providers of integrated transport and logistics services, generating annual consolidated revenue in excess of \$4.4 billion and operating a network of over 400 sites throughout Australia and the region.

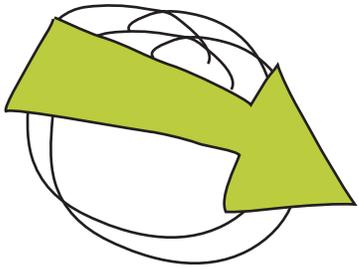
Toll's transport and infrastructure assets include ports, warehousing, road fleets, ships, rail rolling stock and air freight capacity. www.toll.com.au

TNT

TNT Express is one of the world's leading providers of business-to-business express delivery services. TNT Express is able to offer its customers an extensive domestic and international network, integrated with the latest technology. This allows TNT Express to provide a unique combination of on-demand, time-sensitive, door-to-door services within Australia and around the world. www.tnt.com

Other providers include the likes of DHL DANZAS Air and Ocean, Australian Air Express and Schenkers





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Examples of Employee / Employer / Industry Associations

The Australian Trucking Association

The Australian Trucking Association (ATA) is the national body representing the Australian trucking industry. The ATA provides public policy advocacy for trucking operations within Australia through research, lobbying and communication. The ATA's policy coverage embraces safety, taxes and charges, infrastructure, environmental and technical issues. www.atatruck.net.au

Separate State based trucking organisations such as the SA Road Transport Association (SARTA) and the Victorian Transport Association (VTA) represent state specific interests.

Shipping Australia Limited

The major focus of Shipping Australia, as a peak industry body, is both to promote and advance the interests of shipowners and shipping agents in all matters of shipping policy, environmentally sustainable practices and safe ship operations. <http://www.shippingaustralia.com.au>

Australasian Railway Association

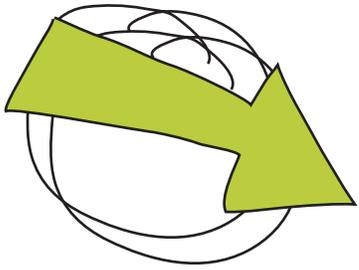
Their goal is to illustrate the positive impact that railways have on the economy, society and environment of Australia and New Zealand.

They represent the interests of all rail operators, both private and government, track owners and managers, manufacturers of rollingstock and components, and other aspects of the rail industry in Australasia. <http://www.ara.net.au>

The Australian Airports Association

The Australian Airports Association (AAA) was founded in 1982 in recognition of the real need for the one coherent, cohesive, consistent and vital voice for all aerodromes and airports throughout Australia. It is a non-profit organisation that, as at 01 January 2002, represented the interests of over 255 member aerodromes and airports Australia wide, from the local council-owned and operated community service landing strip, to the major privatised international gateway airports.





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The Charter of the Australian Airports Association is to facilitate co-operation among all member airports and their many and varied partners in Australian aviation, whilst maintaining an air transport system that is safe, secure, environmentally responsible and efficient for the benefit of all Australians. <http://www.aal.com.au>



The South Australian Freight Council (SAFC)

The South Australian Freight Council is the peak, multi modal industry organisation for the Transport and Logistics industry in South Australia. SAFC is focussed on identifying key freight logistics issues for South Australia, and developing solutions to them.

Its members are drawn from all industry sectors along the supply chain, ranging from buyers and users of freight to freight service providers and Government.

SAFC is a member of the Australian Freight Councils Network (AFCN) a grouping of freight councils with similar aims across the country.

UNIONS

Transport Workers Union

The Transport Workers Union (TWU) represents 82,000 members throughout Australia in the transport industry. The union covers men and women working in aviation, oil, waste management, gas, road transport, passenger vehicles and freight logistics. The TWU is affiliated with the Australian Council of Trade Unions (ACTU), the International Transport Federation (ITF) and the Australian Trucking Association (ATA). www.twu.com.au

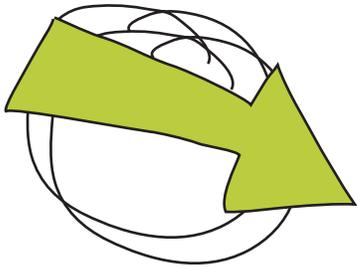
Australian Services Union

Australian Services Union represents the interests of approximately 140,000 members across the country. The ASU is one of the largest trade unions in Australia. It relates the Transport and Logistics Industry through its representation of public transport, shipping, travel and ports. www.asu.asn.net.au

Maritime Union of Australia

The Maritime Union of Australia (MUA) represents around 10,000 Australian stevedoring workers, seafarers and port workers. As a key affiliate of the International Transport Workers' Federation, it also helps represent 320,000 of the world's seafarers, who depend on ITF affiliates like the MUA for wage justice and protection against human rights abuses. www.mua.org.au





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The Rail, Tram and Bus Union

The RTBU (formerly the PTU - Public Transport Union) is one of Australia's major industry-based unions able to cover all employees in public transport. www.rtbu-nat.asn.au

National Union of Workers

National Union of Workers is a large and diverse general union with members in almost all industries. The NUW has 90,000 members and represent workers under 160 Federal Awards and various State Awards as well as numerous enterprise agreements. NUW membership is prominent in transport and logistics in the warehousing and distribution sector. www.nuw.org.au

The Australian Maritime Officers Union

The Australian Maritime Officers Union (AMOU) was formed in 1993 when the Merchant Service Guild and the Australian Stevedoring Supervisors Association amalgamated. The AMOU represents Mariners as well as Professional, Administrative, Supervisory and Technical employees in the Maritime Industry and dependent services. www.amou.com.au

Examples of Journals / Publication

Australian Transport News

A magazine for transport and logistics management www.fullyloaded.com.au

Lloyd's List DCN

A leading source of maritime and transport news www.lloydslistdcn.com.au

Inside ITS/The Intelligent Highway

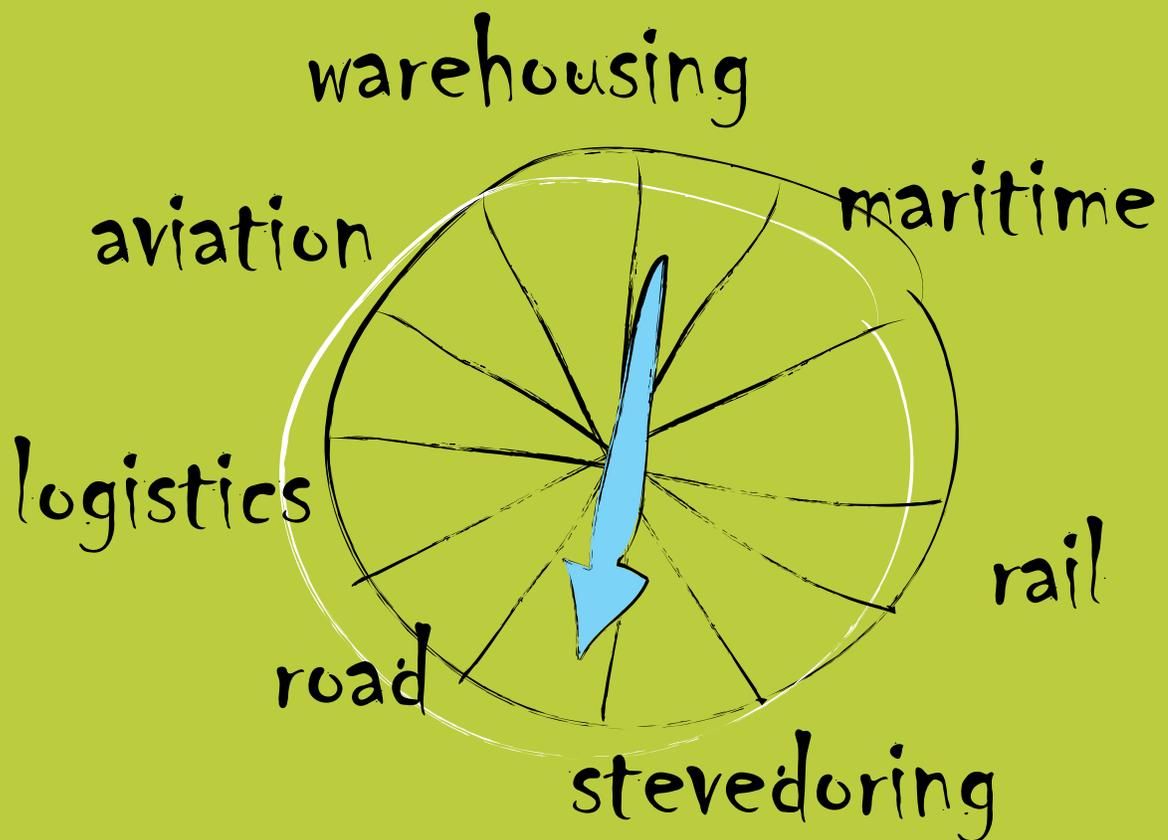
The news source for professionals working to develop and commercialise leading-edge transportation and energy technologies. www.insideits.com

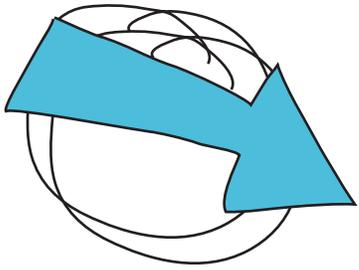
Tradeway.com.au

Is a commercial trade and transport portal linking users with a variety of air, maritime, road, rail and other transport links. www.tradeway.com.au



Career Briefs



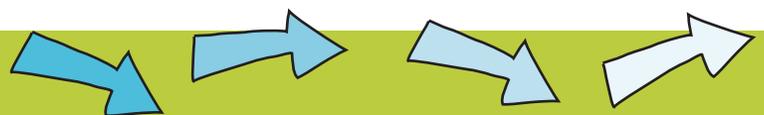


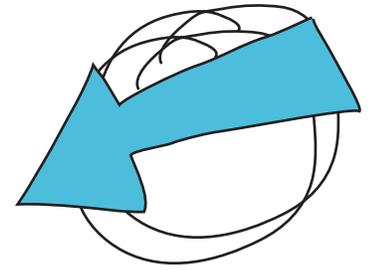
Section 2

Career Briefs

Career Briefs

1. Aero Engineer
2. Air Security Officer
3. Air Traffic Controller
4. Airline Operations Officer
5. ARFF Crew
6. Armoured Car Escort
7. Aviation Inspector Brief
8. Boilermaker Brief
9. Cargo Service Officer
10. Cargo Service Operator
11. Cold Chain Consultant
12. Communications Technician
13. Coxswain Brief
14. Crane Operator
15. Customs Brokers
16. Customs Officer
17. Deckhand Brief
18. Diesel Mechanic Brief
19. Dispatch Supervisor Brief
20. Dredge Crew
21. Environmental Officer
22. Export Operations Officer
23. Fitter and Turner Brief
24. Fleet Controller
25. Forklift and Reach Truck Brief
26. Freight Compiler
27. Freight Documentation Clerk
28. Freight Sales
28. Freight Scheduler
29. Grain Handler
31. HC Semi Trailer Driver
32. Helicopter Pilot Brief
33. HR Driver
34. Hydrographic Surveyor
35. Import Operations Specialist
36. Integrated Rating
37. LR Truck Driver
38. Manager Perishable S&D
39. Marine Engineer Brief
40. Marine Inspector Brief
41. Marine Pilot Brief
42. Master Brief
43. MR Driver
44. OHS&W Officer
45. Pilot Brief
46. Port Officer
47. Purchasing Officer
48. QA Specialist
49. Quarantine Officer
50. Rail Terminal Operator
51. Receivals Supervisor Brief
52. Refrigeration Mechanic Brief
53. Road Train Driver Brief
54. Ship Officer Brief
55. Shipwright
56. Stevedore Brief
57. Stores Brief
58. Terminal Operator
59. Terminal Planner
60. Track Worker
61. Train Controller
62. Train Driver
63. Transport Engineer
64. Transport Inspector Brief
65. Transport Planner
66. Transport Policy Officer
67. Tugboat Master
68. Warehouse Manager Brief
69. Welder Brief





For further information visit:

www.connecttoyourfuture.com.au

www.tlisc.com.au

www.the-linc.com.au



An Australian Government Initiative



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YOUR FUTURE**
Career Advice Australia



**TRANSPORT & LOGISTICS
INDUSTRY SKILLS COUNCIL LTD**



**Logistics Information
& Navigation Centre**

