

# Transport and Storage Industry



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Department of  
Education  
and Training

## INDUSTRY AREA COVERAGE

GROUP	CLASS	DESCRIPTION
<b>021</b>	-	<b>Services to Agriculture</b>
	0213	Aerial Agricultural Services
<b>461</b>	-	<b>Road Freight Transport</b>
	4610	This class consists of units mainly engaged in the transportation of freight by road. It also includes units mainly engaged in renting trucks with drivers for road freight transport and road vehicle towing service.
<b>462</b>	-	<b>Road Passenger Transport</b>
	4621	This class consists of units mainly engaged in operating buses for the transportation of passengers over regular routes and on regular schedules, mainly outside metropolitan areas or over long distances.
	4622	This class consists of units mainly engaged in operating urban buses and tramways for the transportation of passengers, over regular routes and on regular schedules, mainly in a metropolitan area.
	4623	This class consists of units mainly engaged in operating taxi cabs or hire cars with drivers, or other forms of road vehicles not elsewhere classified, for the transportation of passengers.
<b>471</b>	-	<b>Rail Freight Transport</b>
	4710	This class consists of units mainly engaged in operating railways for the transportation of freight by rail.
<b>472</b>	-	<b>Rail Passenger Transport</b>
	4720	This class consists of units mainly engaged in operating railways (except tramways) for the transportation of passengers over short and long distances.
<b>481</b>	-	<b>Water Freight Transport</b>
	4810	This class consists of units mainly engaged in the operation of vessels for the transportation of freight or cargo by water.
<b>482</b>	-	<b>Water Passenger Transport</b>
	4820	This class consists of units mainly engaged in the operation of vessels for the transportation of passengers by water.
	6303	Inland Water Transport (Coverage of: Freight transport service (river, harbour or lake); Passenger ferry operation (river, harbour or lake); Passenger transport service (river, harbour or lake); Water taxi service (river, harbour or lake).
<b>490</b>	-	<b>Air and Space Transport</b>
	4900	This class consists of units mainly engaged in operating aircraft for the transportation of freight and passengers.
<b>501</b>	-	<b>Scenic and Sightseeing Transport</b>
	5010	This class consists of units mainly engaged in operating transportation equipment for scenic and sightseeing



		activities. This form of transport is distinguished from transit passenger services, as the emphasis is not on the efficiency or speed of the transport service but rather on providing recreation and entertainment. The service provided is usually local in nature and generally includes tour commentary, highlighting features of the scenery and/or the vehicle.
<b>502</b>	<b>-</b>	<b>Pipeline and other Transport</b>
	5021	This class consists of units mainly engaged in the transportation of natural gas, oil or other materials via pipelines.
	5029	This class consists of units mainly engaged in passenger and freight transportation not elsewhere classified.
<b>510</b>	<b>-</b>	<b>Postal and Courier Pick-up and Delivery Services</b>
	5101	This class consists of units mainly engaged in the pick-up and delivery of letters, documents and parcels (usually weighing less than 30 kgs). Rather than being from the sender's location, the pick-up activity is from pre-determined collection points (e.g. post offices and postal agencies). Also included are units mainly engaged in the operation/provision of predetermined collection points (such as post offices or postal agents).
	5102	This class consists of units mainly engaged in the door to door pick-up (i.e. from the customer's residence or place of business), transport and delivery of letters, documents, parcels and other items weighing less than 30 kgs.
<b>521</b>	<b>-</b>	<b>Water Transport Support Services</b>
	5211	This class consists of units mainly engaged in providing stevedoring services for the loading or unloading of vessels.
	5212	This class consists of units mainly engaged in the maintenance and leasing of port facilities to facilitate the land-sea transition of goods and passengers. Also included are units mainly engaged in the operation of ship mooring facilities or water transport terminals for passenger or freight (including sea cargo container terminals and coal or grain loaders).
	5219	This class consists of units mainly engaged in providing water transport support services not elsewhere classified.
<b>522</b>		<b>Airport Operations and other Air Transport Support Services</b>
	5220	This class consists of units mainly engaged in operating international, national or civil airports. Also included are units mainly engaged in providing other services to air transport such as airport terminals, runways, air traffic control services, aerospace navigation or baggage handling services.

<b>529</b>	-	<b>Other Services to Transport</b>
	5291	This class consists of units mainly engaged in providing advice on import and export procedures and documentation, and other related services.
	5292	This class consists of units mainly engaged in contracting to transport goods for other enterprises, using one or more different enterprises to perform the contracted services by road, rail, air, sea freight transport or any combination of the modes of transport. (In these cases the 'forwarding' unit takes prime responsibility for the entire transport operation).
	5299	This class consists of units mainly engaged in providing transport support services not elsewhere classified.
<b>530</b>	-	<b>Warehousing and Storage Services</b>
	5301	This class consists of units mainly engaged in the storage of cereal grains.
	5309	This class consists of units mainly engaged in operating warehousing and storage facilities (except cereal grain storage).

- \* ANZSIC Group - Australian New Zealand Standard Industrial Classification  
 \*\* n.e.c. - not elsewhere classified

## STATE BODIES

- Transport and Storage Industry Training Council

## NATIONAL BODIES

- TDT Australia (Transport Industry Skill Council for the Transport and Distribution industry)

## TRAINING PACKAGES

The Transport and Storage industry has coverage for the following Training Packages:

- Aviation Training Package – (TDA03)
- Maritime Training Package – (TDM01)
- Transport and Distribution Training Package – (TDT02)

## **AVIATION TRAINING PACKAGE – (TDA03)**

**Aviation** - The Aviation Training Package covers most aspects of the aviation industry including Flight crew functions; Air traffic control; Check in services; Aviation training and instruction; Baggage handling; Cabin Crew functions; Aircraft ground support; Arrival services; Aviation freight handling and management; and Ticketing.

**Status** – Endorsed Currently under review with endorsement in late 2006 or 2007

### **QUALIFICATIONS**

<b>National Code</b>	<b>Qualification Name</b>
TDA10103	Certificate I in Transport and Distribution (Aviation Foundation Skills)
TDA20203	Certificate II in Transport and Distribution (Aviation Flight Operations)
TDA20403	Certificate II in Transport and Distribution (Aviation Ground Operations and Service)
TDA30203	Certificate III in Transport and Distribution (Aviation Flight Operations)
TDA30403	Certificate III in Transport and Distribution (Aviation Ground Operations and Service)
TDA40203	Certificate IV in Transport and Distribution (Aviation Flight Operations)
TDA40403	Certificate IV in Transport and Distribution (Aviation Ground Operations and Service)
TDA50303	Diploma of Transport and Distribution (Air Traffic Control)

More information on the Aviation Training Package, its qualifications and units of competency can be found on the following websites:

<http://www.ntis.gov.au/Default.aspx?trainingpackage/TDA03>

Implementation Kits for Training packages can be found at:

<http://www.training.wa.gov.au/training/content-training-packages.asp>

### **WORKFORCE ISSUES, CHARACTERISTICS, ACTIVITIES**

- The changing tourism market and contracting resource sector has impacted on the employment of pilots.
- Changes to regulations are likely to impact on the needs of regional airports including increased Reporting Officers and baggage checking equipment.
- Outcomes of the NELF project will have implications for training for the transport of perishable items in the cold supply chain.
- Flight instructor quality remains an issue as newly qualified pilots become instructors to increase logged flying hours.



## INDUSTRY ORGANISATIONS/ASSOCIATIONS

- Air Services Australia
- Australian Airports Association (AAA)
- Australian Federation of Air Pilots
- Civil Aviation Safety Authority
- International Air Transport Association
- International Civil Aviation Organisation
- WA Municipal Association
- Jandakot Chamber of Commerce

## LICENSING OR REGULATORY REQUIREMENTS

Stringent regulatory requirements exist for these industry sectors.

Civil Aviation Safety Authority (CASA) licences:

- Private Pilots Licence PPL
- Commercial Pilots Licence CPL
- (Required by General Aviation – See below)
- Air Transport Pilots Licence ATPL (required by Scheduled Domestic and International Air Transport – ie regional, domestic and international airlines – see below)

### **Airport Operations and Management**

Regulated by:

- Civil Aviation Safety Authority
- Department Of Transport And Regional Services
- Federal Department of Transport
- WA Department of Planning & Infrastructure
- International Civil Aviation Organisation

### **Scheduled Domestic and International Air Transport**

Regulated by:

- Civil Aviation Safety Authority
- Department Of Transport And Regional Services
- WA Department of Planning & Infrastructure
- Customs and Excise
- International Air Transport Association
- International Civil Aviation Organisation

### **General Aviation (non scheduled)**

Regulated by:

- Civil Aviation Safety Authority
- Department Of Transport And Regional Services
- WA Department of Planning & Infrastructure
- International Air Transport Association



## TRAINING ENVIRONMENT/ISSUES

- Training is primarily delivered to meet regulatory requirements.
- Public funding is available for the theory component of the Commercial and Air Transport Pilots Licences. The student funds practical training.
- Training for Aerodrome Management has been publicly funded. The Certificate 2-4 in Aviation Ground Operations & Services has superseded the lower level skills from Diploma in Airport Management. The higher level skills are included in Diploma and Advanced Diploma in Logistics Management.
- The Certificate 2-4 in Aviation Ground Operations & Services has incorporated competencies for Reporting Officers and Work Safety Officers. .
- Flexible delivery and distance learning is important for this industry.
- Technology advances significantly influences all sectors of the Aviation industry (Global Positioning System, computer system).
- Department of Transport and Regional Services (DOTARS) is currently reviewing aviation security training for the aviation industry with the intended outcome of developing a structured training regime the industry, however, while it is likely that the training and assessment regime will sit outside the training package it will need to be considered in any audit of RTOs.

## HIGH RISK TRAINING CONCERNS

Because training in the industry has been primarily driven by the regulatory requirements, there is not a detailed understanding by some training providers of the AQTF requirements. This is particularly the case for practical component of pilot training.

The RTOs delivering the theory components of the Commercial Pilots License are not normally in a position to provide the statement of attainment at the completion of the course because the learners would not have had the opportunity to demonstrate competence in a practical situation (following at least 150 hours of practical flying training).

There are a some RTOs that are limiting their delivery to the following six aviation units required by Reporting Officers and Works Safety Officers. Traditionally, these units have been delivered inadequate practical instruction and assessment.

The units include:

- TDA B103A – Inspect & Report on an Aerodrome
- TDA B203A – Inspect & Report on an Aerodrome Lighting Systems
- TDA B303A – Inspect & Report on Obstacle Limitation Surfaces
- TDA E303A – Complete Notice to Airmen (NOTAM)
- TDA B103A – Maintain Radio Communications as Part of Airport Operations
- TDA F403A – Supervise the Safety of Aerodrome Works and General Access

While several high schools offer aeronautics training, there is no articulation mechanisms to CASA licensing requirements for commercial and private pilots and it would be unlikely to meet the Aviation Training package Requirements.



## WORKSAFE ISSUES

Worksafe has identified the following issues as areas that need to be addressed:

### General Issues (all industry areas)


- Chemicals and harmful substances
- Electricity
- Manual handling
- New and young workers
- Slips and trips
- Working at heights
- Forklifts

### Other Aviation Issues

- Security
- Fatigue management
- Communication with isolated employees
- Access to the Act
- Hazard identification, reporting and investigation
- Movement around the workplace
- Access to and from the workplace
- Emergency egress from the workplace
- Fire precautions
- Evacuation procedures
- Warning signs
- First aid
- Lighting
- Adequate work space
- Air temperature
- Water
- Cleanliness and removal of debris
- Surface and floors
- Seating
- Workplace facilities
- Management of vehicles and moving plant at workplaces
- Portable ladders
- Securing of gas cylinders
- Protective clothing
- Protective equipment
- Atmosphere and respiratory protection
- Noise control and hearing protection
- Working in confined spaces
- Elevated work platforms

Links to relevant work safe documents:

- Information on workplace hazards and other work safety and health issues in the Transport and Storage industry. <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/tranindx0003.html>
- Code of practise - First aid - facilities and services and personal protective equipment <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codefaid0001.html>
- Educational Article - Manual handling <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/tranmanh0001.html>
- Code of practise - Prevention of falls at workplaces <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codeslip0001.html>
- Code of practise - The safety and health of children and young people in workplaces  
[This Code of Practice was withdrawn March 2006](#)

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- General information - A look at hazards in the transport and storage industry  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/trangenl0006.html>
  - General information - Commercial driver fatigue  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codewswa0231.html>
  - General information - Staying alert at the wheel  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/fatghazd0043.html>
  - Guidance notes - Working safely with forklifts  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfork0001.html>
  - Guidance notes - Safe movement of vehicles at workplaces  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidpltm0003.html>
  - Guidance notes - Reducing the risk of fatigue in the workplace  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfatg0001.html>
  - Guidance notes - Powered mobile plant  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidpltm0001.html>
  - Elevating Work Platforms - New Regulations  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/wkhthazd0045.html>
  - Fork-Lifts (Industrial Trucks)  
<http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfork0001.html>
  - Aviation Security <http://www.dotars.gov.au/>

## **MARITIME TRAINING PACKAGE – (TDM01)**

**Maritime** - This Training Package covers all aspects of the maritime industry including Maritime Operations, Marine Engine Driving and Maritime Engineering. The qualifications range from AQF level certificate I to IV, Diploma and Advanced Diploma.

**Status** – Endorsed. Currently under review. Endorsement expected mid 2006. Implementation in WA likely in 2007

### **QUALIFICATIONS**

<b>National Code</b>	<b>Qualification Name</b>
TDM10101	Certificate I in Transport and Distribution (Maritime Operations)
TDM20101	Certificate II in Transport and Distribution (Maritime Operations)
TDM20201	Certificate II in Transport and Distribution (Marine Engine Driving)
TDM30101	Certificate III in Transport and Distribution (Maritime Operations)
TDM30201	Certificate III in Transport and Distribution (Marine Engine Driving)
TDM40101	Certificate IV in Transport and Distribution (Maritime Operations)
TDM40201	Certificate IV in Transport and Distribution (Marine Engineering)
TDM50101	Diploma of Transport and Distribution (Maritime Operations)
TDM50201	Diploma of Transport and Distribution (Marine Engineering)
TDM60101	Advanced Diploma of Transport and Distribution (Maritime Operations)
TDM60201	Advanced Diploma of Transport and Distribution (Marine Engineering)

More information on the Maritime Training Package, its qualifications and units of competency can be found on the following websites:

<http://www.ntis.gov.au/Default.aspx?/TrainingPackage/TDM01>

Implementation Kits for Training packages can be found at:

<http://www.training.wa.gov.au/training/content-training-packages.asp>

### **WORKFORCE ISSUES, CHARACTERISTICS, ACTIVITIES**

The maritime training package covers maritime operations in the following areas:

- International (cargo ships)
- Coastal, inland water transport of passengers or freight (Ferrys, Charter)
- Stevedoring
- pilot and tugboat operations.
- port authority services.
- Vessels supporting the offshore oil and gas industry.
- Partial coverage over the fishing industry. The fishing industry is also covered by the Seafood Industry training package for vessel operations.



## LICENSING OR REGULATORY REQUIREMENTS

### Maritime

- Maritime crew operating in international waters (eg crew on international cargo ships ) are regulated by Australian Maritime Safety Authority which administers the Seafarers Training, Certification and Watchkeeping Code (STCW 95).
- Marine crew operating in Coastal waters (eg ferries, charter and fishing) are regulated by WA Department of Planning & Infrastructure (Commercial Vessel Safety Branch) in accordance with the United Shipping Laws (USL) Code.

Note: Most RTOs are developing their training programs to meet the new **National Standards for Commercial Vessels** code which will replace the USL code.

- Marine crew operating in the Offshore Oil and Gas Industry (eg on tugs, support vessels, barges, rigs etc) are primarily regulated by:
  - Australian Maritime Safety Authority (primary regulator)
  - Department of Industry and Resources
  - WA Department of Planning & Infrastructure (Commercial Vessel Safety Branch)
- All marine crew working in port are also regulated by Worksafe WA.

### INDUSTRY ORGANISATIONS/ASSOCIATIONS

- Australian Institute of Marine and Power Engineers who primarily represent engineers regulated by the Australian Maritime Safety Authority
- Australian Maritime Safety Authority
- Australian Maritime Officers Union who primarily represent Deck Officers
- Charter Boat Owners and Operations Association
- High Speed Craft Masters Association of Australian
- Maritime Agencies of WA Pty Ltd
- Maritime Union of Australia who primarily represent
  - seafarers operating in international waters, Offshore Oil and Gas and Tugs and other vessels regulated by the Australian Maritime Safety Authority
  - Stevedores
- Sea Freight Council of WA
- WA Fisheries Department
- WA Fishing Industry Council
- Department of Planning and Infrastructure who have regulatory coverage over ferries and charter vessels,

### TRAINING ENVIRONMENT/ISSUES

- Largely, training addresses areas covered by regulations
- Ferry and Charter boat sector does not have a strong training culture except to meet regulatory regulations
- Flexibility of delivery and minimisation of workplace disruption are considered important.
- Increased use of high-speed vessels in tourism market, requiring specific training in handling performance and team management as well as hospitality units.
- Practical training and assessment is an important issue for the public providers who have traditionally focussed on providing theory as required by the regulators. The practical experience was assumed to be adequately covered as part of the “sea time” required by the regulators.
- Marine operations in the fishing industry are covered by the Seafood Industry Training Package as well as the Maritime Training Package



## HIGH RISK TRAINING CONCERNS

- Adequate practical training and assessment
- Training package not adequately reflecting the regulatory requirements so that the RTOs have difficulty in complying with the AQTF requirements. The reviewed training package will more closely align to the existing structure and regulatory requirements of the industry.

## WORKSAFE ISSUES

Worksafe has identified the following issues as areas that need to be addressed:

### General Issues (all industry areas)

- Chemicals and harmful substances
- Electricity
- Manual handling
- New and young workers
- Slips and trips
- Working at heights
- Forklifts

### Other Maritime Issues

- Fatigue management
- Communication with isolated employees
- Access to the Act
- Hazard identification, reporting and investigation
- Movement around the workplace
- Access to and from the workplace
- Emergency egress from the workplace
- Fire precautions
- Evacuation procedures
- Warning signs
- First aid
- Lighting
- Adequate work space
- Air temperature
- Water
- Cleanliness and removal of debris
- Surface and floors
- Seating
- Workplace facilities
- Management of vehicles and moving plant at workplaces
- Floatation devices
- Protective clothing
- Protective equipment
- Atmosphere and respiratory protection
- Noise control and hearing protection
- Working in confined spaces

## LINKS TO RELEVANT WORK SAFE DOCUMENTS:

- Information on workplace hazards and other work safety and health issues in the Transport and Storage industry. <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/tranindx0003.html>
- Code of practise - First aid - facilities and services and personal protective equipment <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codefaid0001.html>
- Educational Article - Manual handling <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/tranmanh0001.html>
- Code of practise - Prevention of falls at workplaces <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codeslip0001.html>  
Code of practise - The safety and health of children and young people in workplaces  
[This Code of Practice was withdrawn March 2006](#)
- General information - A look at hazards in the transport and storage industry <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/trangenl0006.html>
- General information - Commercial driver fatigue <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codewswa0231.html>
- Guidance notes - Safe movement of vehicles at workplaces <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidpltm0003.html>
- Guidance notes - Reducing the risk of fatigue in the workplace <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfatg0001.html>
- Use of Electrical Tools On Board Fishing Vessels <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/alrt20000007.html>

## **TRANSPORT & DISTRIBUTION TRAINING PACKAGE - (TDT02)**

**Transport and Distribution** - The Transport and Distribution Training Package covers qualifications for Logistics, Road Transport, Warehousing, Stevedoring, Rail and Transport Administration.

**Status** – Endorsed. Currently under review. Endorsement expected in late 2006.

## QUALIFICATIONS

### Logistics

National Code	Qualification Name
TDT51002	Diploma of Logistics Management
TDT61002	Advanced Diploma of Logistics Management

### Rail Infrastructure

National Code	Qualification Name
TDT10702	Certificate I in Transport and Distribution (Rail Infrastructure)
TDT20702	Certificate II in Transport and Distribution (Rail Infrastructure)
TDT30702	Certificate III in Transport and Distribution (Rail Infrastructure)
TDT40702	Certificate IV in Transport and Distribution (Rail Infrastructure)

### Rail Operations

National Code	Qualification Name
TDT10402	Certificate I in Transport and Distribution (Rail Operations)
TDT20402	Certificate II in Transport and Distribution (Rail Operations)
TDT30402	Certificate III in Transport and Distribution (Rail Operations)
TDT40402	Certificate IV in Transport and Distribution (Rail Operations)



## Road Transport

National Code	Qualification Name
TDT10202	Certificate I in Transport and Distribution (Road Transport)
TDT20202	Certificate II in Transport and Distribution (Road Transport)
TDT30202	Certificate III in Transport and Distribution (Road Transport)
TDT30802	Certificate III in Transport and Distribution (Cash in Transit)
TDT30902	Certificate III in Transport and Distribution (Mobile Crane Operations)
TDT40202	Certificate IV in Transport and Distribution (Road Transport)
TDT40902	Certificate IV in Transport and Distribution (Mobile Crane Operations)

## Stevedoring

National Code	Qualification Name
TDT10302	Certificate I in Transport and Distribution (Stevedoring)
TDT20302	Certificate II in Transport and Distribution (Stevedoring)
TDT30302	Certificate III in Transport and Distribution (Stevedoring)
TDT40302	Certificate IV in Transport and Distribution (Stevedoring)

## Transport Administration

National Code	Qualification Name
TDT11102	Certificate I in Transport and Distribution (Administration)
TDT21102	Certificate II in Transport and Distribution (Administration)
TDT31102	Certificate III in Transport and Distribution (Administration)
TDT41102	Certificate IV in Transport and Distribution (Administration)

## Warehousing

National Code	Qualification Name
TDT10102	Certificate I in Transport and Distribution (Warehousing and Storage)
TDT20102	Certificate II in Transport and Distribution (Warehousing and Storage)
TDT30102	Certificate III in Transport and Distribution (Warehousing and Storage)
TDT40102	Certificate IV in Transport and Distribution (Warehousing and Storage)

More information on the Transport and Distribution Training Package, its qualifications and units of competency can be found on the following websites:

<http://www.ntis.gov.au/Default.aspx?/TrainingPackage/TDT02>

Implementation Kits for Training packages can be found at:

<http://www.training.wa.gov.au/training/content-training-packages.asp>

## WORKFORCE ISSUES, CHARACTERISTICS, ACTIVITIES

### Road

- Main Roads WA has introduced an accreditation system for heavy vehicles operators which includes a requirement for training in Occupational Health and Safety (F1).
- Increased use of technology such as Global Positioning Systems (GPS) and use of on-board computers monitoring engine and vehicle performance reflect the changing nature of the industry.
- Insurance and regulatory requirements mean there are few drivers under 26 years old.
- Numerous small operators and owner-drivers.
- Outsourcing and privatisation in public transport services.

- Lack of access to training in rural areas, regions.
- Low education (literacy numeracy levels).
- Ageing workforce.

### **Rail**

- Rail services: passenger and freight, urban, intra and interstate.
- Rail freight services are provided by private operators
- Urban and Regional passenger services are provided by the Public Transport Authority

### **Storage/Warehousing**

- Two thirds male employees, women in administration roles or order picking.
- Traditionally poor education standards are now gradually changing as qualification pathways are attracting better educated workers.
- Traditional paper based activities now moving to radio frequency (RF) scanning, computer generated ordering and efficiencies through just-in-time ordering and delivery with efficiencies leading to paperless warehousing and reduction in jobs.

## **INDUSTRY ORGANISATIONS/ASSOCIATIONS**

### **Rail**

- Public Transport Authority
- Transperth
- Australian Rail Tram & Bus Union

### **Road Transport**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>• Main Roads WA</li> <li>• Office of Road Safety and Road Safety Council</li> <li>• Royal Automobile Club</li> <li>• WA Owner Drivers Association</li> <li>• WA Pilot and Escort Vehicles Association</li> <li>• WA Police Department</li> <li>• WA Road Transport Association</li> <li>• Bus and Coach Association of WA</li> <li>• Public Transport Authority</li> <li>• Transperth</li> <li>• Transport Forum</li> <li>• Transport Workers' Union</li> <li>• Department of Environmental Protection</li> <li>• Worksafe WA</li> </ul> | <ul style="list-style-type: none"> <li>• Transport Forum</li> <li>• Department of Planning &amp; Infrastructure - Taxi Unit</li> <li>• Taxi Council of WA</li> <li>• WA Country Taxi Operators Association</li> <li>• Australian Driver Training Association</li> <li>• Australian Furniture Removers Association</li> <li>• National Pilot Vehicle Drivers Association</li> <li>• Wedding Car Owners Association Inc.</li> <li>• Australian Tram and Bus Union</li> <li>• WA Couriers Association</li> <li>• Livestock Transporters Association of WA</li> <li>• Department of Employer and Consumer Protection</li> </ul> |
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### **Warehousing**

- National Union of Workers
- Logistics Association of Australia
- Australian Production & Inventory Control Society Inc

### **Cross Industry**

- Australian Customs Service
- Australian Institute of Export (WA)
- Australian Quarantine and Inspection Service
- Chambers of Commerce and Industry
- Chartered Institute of Logistics and Transport
- Commonwealth Department of the Environment
- Department of Environment Protection
- Department of Industry and Resources
- Logistics Association of Australia (WA)
- Department of Planning & Infrastructure
- Worksafe WA

## **LICENSING OR REGULATORY REQUIREMENTS**

### **Warehousing**

- Bonded warehouses (present customs, excise, excise issues) regulated by WA Department of Planning & Infrastructure, Customs and Excise
- Forklift driving training is a regulatory requirement under Occupational Health and Safety regulations 1996 regulated by Worksafe WA
- There is no requirement for certification – “ticket” of Forklift operations in WA but they must have received adequate training as per AS 22359.2
- New dangerous goods regulations (for the handling, storage and transport of dangerous goods) introduced in 1998 are regulated by Department of Industry and Resources

### **Bus and Coach Transport**

Governed by Omnibus Standards Scheme and co-regulated by:

- The industry
- The Passenger Services Division of Health
- The Department of Planning & Infrastructure

### **Fatigue Management System FMS Code of Practice**

Enforceable under Duty of Care sections of Occupational Health and Safety Act (1984) and regulated by:

- The Department of Planning & Infrastructure
- Main Roads WA (for heavy vehicles requiring permits)

### **Rail Passenger Services, Rail Track Work and Safe Working**

Regulated by:

- Department of Planning & Infrastructure
- Worksafe WA (on invitation only)

### **Taxi Services**

- Taxi services are governed by the Taxi Act and regulated by the Taxi Unit of the WA Department of Planning & Infrastructure.

### **Licence – Authority**

- Taxi Car Drivers Licence – Department of Planning & Infrastructure
- Country Taxi Car Licence – Department of Planning & Infrastructure
- Taxi Car Ownership – Department of Planning & Infrastructure
- Taxi Dispatch Service Registration – Department of Planning & Infrastructure



## Road

- Pilot Vehicle Operator accreditation, through completion of an accredited course. Proposed co-regulation of heavy vehicle recovery (Tow Truck) sector.
- Fatigue Management System FMS Code of Practice (enforceable under Duty of Care sections of Occupational Health and Safety Act (1984) regulated by:
  - The Department of Planning & Infrastructure
  - Main Roads WA (for heavy vehicles requiring permits)
- New driver licensing system in WA in February 2001: new regulations relating to minimum vehicle configurations and amount of time for a given class of licence. Regulated by the Department of Planning & Infrastructure.
- Furniture removals sector has accredited system in place for operations. Commercial Goods Vehicle Licence required. Regulated by the Department of Planning & Infrastructure.
- New dangerous goods regulations (for the handling, storage and transport of dangerous goods) introduced in 1998 are regulated by Department of Industry and Resources

## TRAINING ENVIRONMENT/ISSUES

### Rail

- Currently no public provision of industry specific training in WA except for the implementation of traineeships.
- Perceived shortages in railway labourers and supervisors, locomotive drivers, rail terminal operators.
- Aging Workforce

### Road Transport

- Significant variations in industry with some companies provide minimal on-the-job induction training, with some larger organisations developing structured in-house training.
- Increased technology requires wider range of skills, underpinned by broad-based skills such as numeracy, literacy, computer skills and workplace documentation.
- Licensing Branch of WA Department of Planning & Infrastructure has developed Competency Standards for drivers in the heavy vehicle class.
- Increasing use of technology in all areas: GPS, computerised dispatch system for taxis, etc.
- Aging workforce and shortage of heavy vehicle drivers

### Warehousing

- Significant variations in industry with some companies provide minimal on-the-job induction training, with some larger organisations developing structured in-house training.
- Increased technology requires wider range of skills, underpinned by broad-based skills such as numeracy, literacy, computer skills and workplace documentation.
- Emerging training culture including structured in-house training, traineeships and some pre-employment training being delivered.
- Training must cover new technologies such as EDI technology, RF tagging and scanning, automatic data capture (ADC) etc required.



### **Common Training Environment/ Issues**

- Aging workforce particularly in rail and road
- The majority of public funding of training occurs through traineeships for existing and new workers.
- Trainers: must have industry, trainer and assessor skills and qualifications.
- Training should be both on and off the job, flexible, with in house delivery that does not disrupt operations, accommodates shift work.
- The Diploma in Logistics Management provides higher level qualifications for all sectors of the transport & storage industry. The entry requirement is underpinning knowledge for 28 units from the appropriate training package stream.

### **HIGH RISK TRAINING CONCERNS**

- Provision of adequate practical training and assessment activities by RTOs
- Ratio of trainers to trainees
- RTOs taking on more trainees than they can adequately service.
- A number of RTOs from other states are providing traineeships in WA. There are issues with regards to the number of contacts trainers have with trainees and presence adequate resources

### **VET in Schools**

- Currently limited support from transport sector for this initiative, due to licensing, regulatory age restrictions and workplace hazards however the aging workforce is creating an emerging awareness of the value of VET in schools programs. Regulatory and insurance issues restrict road transport opportunities for schools students.
- Maritime qualifications require completion of approved sea time or activity during high season vacation periods.

### **WORKSAFE ISSUES**

Worksafe has identified the following issues as areas that need to be addressed:

#### **General Issues (all industry areas)**

- Chemicals and harmful substances
- Electricity
- Manual handling
- New and young workers
- Slips and trips
- Working at heights
- Forklifts

#### **Other Transport & Distribution Training Package Issues**

- Fatigue management
- Communication with isolated employees
- Access to the Act
- Hazard identification, reporting and investigation
- Movement around the workplace
- Access to and from the workplace
- Emergency egress from the workplace
- Fire precautions
- Evacuation procedures
- Warning signs
- First aid

- Lighting
- Adequate work space
- Air temperature
- Water
- Cleanliness and removal of debris
- Surface and floors
- Seating
- Workplace facilities
- Management of vehicles and moving plant at workplaces
- Protection of persons and property in the vicinity of cranes
- Portable ladders
- Securing of gas cylinders
- Protective clothing
- Protective equipment
- Atmosphere and respiratory protection
- Noise control and hearing protection
- Working in confined spaces
- Elevated work platforms
- Crane regulations

#### LINKS TO RELEVANT WORK SAFE DOCUMENTS:

- Information on workplace hazards and other work safety and health issues in the Transport and Storage industry. <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/tranindx0003.html>
- Code of practise - First aid - facilities and services and personal protective equipment <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codefaid0001.html>
- Educational Article - Manual handling <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/tranmanh0001.html>
- Code of practise - Prevention of falls at workplaces <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codeslip0001.html>
- Code of practise - The safety and health of children and young people in workplaces  
[This Code of Practice was withdrawn March 2006](#)
- General information - A look at hazards in the transport and storage industry <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/trangenl0006.html>
- General information - Commercial driver fatigue <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/codewswa0231.html>
- General information - Staying alert at the wheel <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/fatghazd0043.html>
- Guidance notes - Working safely with forklifts <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfork0001.html>
- Guidance notes - Safe movement of vehicles at workplaces <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidpltm0003.html>
- Guidance notes - Reducing the risk of fatigue in the workplace <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfatg0001.html>
- Guidance notes - Powered mobile plant <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidpltm0001.html>
- Elevating Work Platforms - New Regulations <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/wkhthazd0045.html>
- Fork-Lifts (Industrial Trucks) <http://www.worksafe.wa.gov.au/newsite/worksafe/pages/guidfork0001.html>
- Dangerous goods (Transport & Storage of) <http://www.docep.wa.gov.au/ResourcesSafety/index.html>