

Submission – additional data

by the National Centre for Vocational Education Research (NCVER)
to
Senate Employment, Workplace Relations and Education Committee

Inquiry into workforce challenges in the Transport Industry

During December 2006, NCVER submitted a response to the Inquiry into Workforce Challenges in the Transport Industry. The submission addressed the second term of reference: *Industry needs and the skills profile of the current workforce*. In the response, NCVER provided data from the national statistical collections, Student Outcomes Survey, and Survey of Employers' Use and Views of the VET system.

Following the submission, Sandra Pattison, General Manager NCVER, attended the hearing for this Inquiry on 3 May 2007 in Adelaide. During the hearing, additional information was sought in regards to the data submitted. This document provides the additional information requested.

Specifically, additional information and data relevant to the transport industry are provided on:

- Apprentices and trainees
- Vocational education and training (VET) students
- Student outcomes from VET
- Employers' use and views of VET

Firstly, key findings arising from the original submission and the additional data are summarised. Subsequently, the additional information and data are provided.

Key findings

- Around one-quarter of apprenticeship and traineeship contracts involving training within transport related training packages are cancelled or withdrawn before the end of the first year of training.
- Around 85% of apprentices and trainees in-training at 30 June 2006 in occupations related to transport and storage were aged over 25 years.
- Around three-quarters of students enrolled in courses relevant to transport and storage occupations were aged over 25 years in 2005.
- One-third of graduates employed after training at May 2005 in transport and storage occupations were employed on a casual basis.
- Overall, the main reason for employers in the transport and storage industry not employing apprentices or trainees and not having jobs that require formal vocational qualifications is that there is no need, it is unsuitable or not relevant to their industry. These reasons are similar across all industries.

Apprentices and trainees

Data description

- An apprentice or trainee is a person undertaking vocational training through a contracted training arrangement.

Information is shown for:

- Apprentices and trainees in-training at 30 June
- Apprenticeship and traineeship attrition rates

Further information requested

During the Adelaide hearing, clarification was requested on whether the number of apprentices and trainees in the transport and storage industry, as reported in the original submission, mainly consisted of apprentices or trainees (see page 7 of the Hansard¹). The NCVER approximates traditional apprenticeships by trades contracts (occupations within trades and related workers occupations) at Australian Qualifications Framework (AQF) certificate III level and above with more than two years expected duration for full-time contracts and more than eight years expected duration for part-time or school-based contracts. Data submitted to this enquiry by the NCVER were from occupational groups outside of the trades area (see appendix A) and as such are not defined as traditional apprentices.

Further data requested

Table 1 provides information on apprentices and trainees in-training at 30 June in transport and storage occupations by state and territory (these occupations are those included in the original submission, as listed in appendix A). This information is provided in response to a request for a break-down of apprentices and trainees employed in the transport and storage industry by state and territory (see page 9 in the Hansard).

Table 1: Apprentices and trainees in-training at 30 June in selected transport and storage occupations (based on ASCO)¹ by state or territory, 2002 to 2006²

	2002	2003	2004	2005	2006
NSW	13,030	13,940	13,280	11,380	9,850
Vic	12,000	12,420	10,130	8,580	8,160
Qld	4,720	5,780	4,360	3,790	4,080
SA	2,900	2,540	2,020	2,000	1,960
WA	2,210	3,170	2,900	1,870	1,680
Tas	1,030	1,090	950	730	530
NT	70	150	120	120	80
ACT	240	270	300	370	300
Australia	36,180	39,360	34,050	28,830	26,630

Notes: 1. See Appendix A for the selected occupations.

2. Figures may not sum due to rounding.

Source: NCVER National Apprentice and Trainee Collection, based on September 2006 estimates

Table 2 provides information on apprentices and trainees in-training at 30 June in transport and storage occupations by apprentice and trainee region, employer region and employer type (these occupations are those included in the original submission, as listed in appendix A). This information is provided in response to a request for data on region and employer type (see pages 11-12 in the Hansard).

¹ http://www.aph.gov.au/Senate/committee/eet_ctte/transport_employment/hearings/index.htm

Table 2: Apprentices and trainees in-training at 30 June in selected transport and storage occupations (based on ASCO)¹ by apprentice and trainee region, employer region and employer type, 2002 to 2006^{2, 3}

	2002	2003	2004	2005	2006
Client Region					
Capital city	25,060	28,290	24,570	20,320	18,910
Other metro	2,120	2,190	1,960	1,970	1,730
Rural	7,490	7,510	6,450	5,770	5,450
Remote	360	430	360	260	210
Interstate	720	610	520	390	320
Outside Australia	0	0	0	0	0
Unknown	440	340	190	120	20
Total	36,180	39,360	34,050	28,830	26,630
Employer region					
Capital city	24,680	27,970	25,150	21,260	19,320
Other metro	1,420	1,420	1,340	1,570	1,350
Rural	5,420	5,650	4,700	3,840	3,640
Remote	140	170	160	100	110
Interstate	4,230	3,940	2,600	2,020	2,190
Outside Australia	0	0	0	0	0
Unknown	300	210	100	30	20
Total	36,180	39,360	34,050	28,830	26,630
Employer Type					
Govt. bus. enterprise	200	730	970	840	570
Local government	290	320	380	370	300
State government	1,240	1,230	1,420	1,900	1,750
Commwlth. government	190	450	410	310	230
Private sector	33,570	36,030	30,240	24,950	23,360
Group training	690	600	620	450	420
Not elsewhere class.	(a)	10	(a)	(a)	(a)
Total	36,180	39,360	34,050	28,830	26,630

Notes: 1. See Appendix A for the selected occupations.
2. Due to confidentiality, (a) represents figures 1 to 9 inclusive.
3. Figures may not sum due to rounding.

Source: NCVET National Apprentice and Trainee Collection, based on September 2006 estimates

Table 3 provides information on apprentices and trainees aged 25 years and above in-training at 30 June in transport and storage occupations by apprentice and trainee characteristics (these occupations are those included in the original submission, as listed in appendix A). This information is provided in response to a request for data on the characteristics of apprentices and trainees aged 25 years and above (see page 14 in the Hansard).

Table 3: Apprentices and trainees aged 25 years and over in-training at 30 June in selected transport and storage occupations (based on ASCO)¹ by apprentice and trainee characteristics, 2002 to 2006^{2, 3}

	2002	2003	2004	2005	2006
Sex					
Male	28,520	30,640	25,990	21,590	19,700
Female	3,610	4,270	3,800	3,220	3,030
Total	32,140	34,910	29,790	24,810	22,730
Indigenous Status					
Indigenous	280	300	330	300	300
Non indigenous	30,550	33,040	27,980	23,310	21,520
Unknown	1,310	1,580	1,480	1,200	910
Total	32,140	34,910	29,790	24,810	22,730
Qualification Level					
Certificate I	(a)	(a)	(a)	10	(a)
Certificate II	1,590	1,560	1,050	950	630
Certificate III	29,910	32,560	27,610	22,590	20,950
Certificate IV	630	800	1,140	1,260	1,140
Diploma/Advanced Diploma	0	0	0	0	0
Total	32,140	34,910	29,790	24,810	22,730
Traditional Apprenticeship proxy					
Traditional apprenticeship	0	0	0	0	0
Other	32,140	34,910	29,790	24,810	22,730
Total	32,140	34,910	29,790	24,810	22,730
Expected Duration					
Two years or less	22,700	25,640	22,480	20,150	19,340
More than two years	9,440	9,280	7,310	4,650	3,380
Total	32,140	34,910	29,790	24,810	22,730
Full time Status					
Full time	29,620	32,060	26,890	22,130	20,500
Part time	2,510	2,860	2,900	2,680	2,220
Total	32,140	34,910	29,790	24,810	22,730

Notes: 1. See Appendix A for the selected occupations.
2. Due to confidentiality, (a) represents figures 1 to 9 inclusive.
3. Figures may not sum due to rounding.

Source: NCVET National Apprentice and Trainee Collection, based on September 2006 estimates

Table 4 provides information on attrition rates for apprenticeships and traineeships where training was within training package qualifications that are relevant to the transport industry (as defined by the original list of training package qualifications, as listed in Appendix B). This information is provided in response to the request for data on the completion and non-completion of apprenticeships and traineeships in the transport industry (see page 8 in the Hansard).

It is important to note that attrition rates in table 4 refer to contracts of training, rather than to individual apprentices and trainees. An individual may have withdrawn from a contract of training and recommenced with another employer in a new contract.

Table 4: Apprenticeships and traineeships reported attrition where training was within training package qualifications¹ relevant to the transport industry, by year of commencement, 2001 to 2005 (% of commencements)²

Cancelling or withdrawing within:	Year of Commencement				
	2001 ³	2002	2003	2004	2005
1 month	3.5	3.5	3.7	3.9	4.3
3 months	8.0	8.1	9.1	9.2	9.9
6 months	13.9	15.0	17.0	16.5	16.8
1 year	22.8	24.1	26.8	25.9	24.5

Notes: 1. See Appendix B for the selected training package qualifications.
2. Caution is recommended when comparing percentages from more recent years with those from earlier years due to the effects of lags in reporting cancellations and withdrawals. No allowance has been made for under-reporting of cancellations and withdrawals.
3. 2001 is the earliest year available from the current data collection.

Source: NCVER National Apprentice and Trainee Collection, based on September 2006 estimates

Table 5 provides extra information on apprentices and trainees in-training at 30 June in occupations that may be utilised in the transport industry. This information is provided in response to the request for data on other apprentices and trainees that may be employed in the transport and storage industry, such as mechanics (see pages 5-6 in the Hansard). These additional occupations were not included in the original data submitted to the committee in December 2006 as they were not defined within the transport and storage agreement industry. Please note that these additional apprentices and trainees may be employed in industries other than transport and storage. Occupations are based on selected ASCO groups at the six-digit level (as defined in Appendix C) but data are grouped in the table at the four-digit level (see Appendix D for a detailed view of data showing ASCO groups at the six-digit level).

Table 5: Apprentices and trainees in-training at 30 June in selected occupations (based on ASCO)¹ that may be relevant to the transport industry by occupational group², 2002 to 2006^{3,4,5,6}

	2002	2003	2004	2005	2006
3124 Electronic Engineering Associate Professionals	30	70	120	160	180
3125 Mechanical Engineering Associate Professionals	1,130	1,120	920	970	1,100
4100 Mechanical and Fabrication Engineering Tradespersons - Not further defined	100	780	870	1,180	1,490
4110 Mechanical Engineering Tradespersons - Not further defined	4,820	5,650	6,500	7,150	7,430
4111 General Mechanical Engineering Tradespersons	1,390	490	70	30	40
4112 Metal Fitters and Machinists	1,030	1,260	1,420	1,690	1,880
4114 Aircraft Maintenance Engineers	970	1,170	1,430	1,380	1,180
4121 General Fabrication Engineering Tradespersons	5,420	5,780	6,620	7,910	8,990
4122 Structural Steel and Welding Tradespersons	(a)	0	0	0	(a)
4200 Automotive Tradespersons - Not further defined	120	60	60	90	1,420
4210 Automotive Tradespersons - Not further defined	10	10	(a)	(a)	80
4211 Motor Mechanics	16,670	17,340	18,590	20,140	19,390
4212 Automotive Electricians	1,150	1,150	1,250	1,350	1,460
4213 Panel Beaters	1,930	1,700	1,610	1,650	1,600
4214 Vehicle Painters	1,960	1,860	1,900	2,020	2,000
4215 Vehicle Body Makers	1,570	2,830	2,880	2,980	2,480
4216 Vehicle Trimmers	200	200	210	210	210
4300 Electrical and Electronics Tradespersons - Not further defined	4,570	6,670	9,050	11,370	12,790
4310 Electrical and Electronics Tradespersons - Not further defined	1,110	1,200	1,560	1,820	1,820
4311 Electricians	6,900	6,150	5,960	6,300	7,460
4313 Electrical Distribution Tradesperson	450	620	870	1,280	1,530
4314 Electronic Instrument Tradespersons	390	390	410	480	510
4981 Marine Construction Tradespersons	640	690	780	890	860
5996 Travel Attendants	450	380	140	180	180
6150 Material Recording and Despatching Clerks - Not further defined	10	150	560	690	780
6153 Stock and Purchasing Clerks	20	60	100	260	540
6191 Inquiry and Admissions Clerks	3,990	4,910	4,810	3,480	3,160
6200 Intermediate Sales and Related Workers - Not further defined	(a)	0	20	100	140
6211 Sales Representatives	160	140	20	30	160
6397 Travel and Tourism Agents	670	780	850	970	1,150
7111 Mobile Construction Plant Operators	4,390	5,250	4,010	2,410	1,960
7119 Other Mobile Plant Operators	110	110	100	270	590
8292 Ticket Salespersons	0	0	0	(a)	70
Total	62,330	68,940	73,700	79,410	84,590

Notes: 1. See Appendix C for the selected occupations.

2. Occupational groups are based on selected occupations at the more detailed six-digit level (see Appendix C for the selected occupations) but data are grouped in the table at the four-digit level. Therefore four-digit ASCO groups may not include all six-digit occupations residing under the four-digit group. For example, in the table, ASCO group 6211 – Sales Representatives only includes the six-digit ASCO group 6211-17 – Sales Representative (Motor Vehicle Parts and Accessories).
3. Not further defined indicates that courses were not coded to the more detailed ASCO level.
4. Large increases or decreases within occupational groups may be attributable to classification changes. For example, the implementation of new training packages may result in a sudden increase in a particular occupational group, which may be related to a decrease in another group.
5. Due to confidentiality, (a) represents figures 1 to 9 inclusive.
6. Figures may not sum due to rounding.

Source: NCVET National Apprentice and Trainee Collection, based on September 2006 estimates

Table 6 provides extra information on apprentices and trainees in-training at 30 June undertaking training package qualifications that may be relevant to the transport industry (as defined in Appendix E). This information is provided in response to the request for data on other apprentices and trainees that may be employed in the transport and storage industry, such as mechanics (see pages 5-6 in the Hansard). Please note that these additional apprentices and trainees may be employed in industries other than transport and storage. The information is presented by broad training package area related to the selected courses (see Appendix F for a detailed view of data showing training package qualifications).

As training packages were introduced in the late 1990s, it is important to note that large increases in training activity when analysed by training package between 2002 and 2006, may be due to training packages still being relatively new in 2002.

Table 6: Apprentices and trainees in-training at 30 June in selected training packages¹ that may be relevant to the transport industry by training package area², 2002 to 2006³

	2002	2003	2004	2005	2006
AUM - Automotive Industry Manufacturing	150	230	250	370	350
AUR - Automotive Industry Retail, Service and Repair	5,800	7,550	9,330	10,620	13,690
BCC - Civil Construction	1,360	1,770	1,620	1,160	1,140
MEA - Aeroskills	850	1,120	1,400	1,370	1,180
MEM - Metal and Engineering Industry	7,480	9,760	11,520	13,220	14,040
THT - Tourism	440	740	1,040	1,260	1,470
UTE - Electrotechnology Industry	7,350	11,580	15,990	20,040	23,280
UTT - Electricity Supply Industry - Transmission and Distribution	290	520	830	1,240	1,480
Total	23,740	33,270	41,980	49,280	56,630

- Notes:
1. See Appendix E for the selected training package qualifications.
 2. Training package areas only include selected training package qualifications (see Appendix E for the selected qualifications) and therefore may not include all training package qualifications residing under the training package area.
 3. Figures may not sum due to rounding.

Source: NCVET National Apprentice and Trainee Collection, based on September 2006 estimates

Vocational education and training: Students and Courses

Data description

This section provides information about students and courses relevant to the transport and storage industry². Information is shown for VET student enrolments.

Further data requested

Table 7 provides information on students aged 25 years and over enrolled in VET programs classified to transport and storage occupations (these occupations are those included in the original submission, as listed in Appendix A) by student characteristics. This information is provided in response to a request for further data on the characteristics of students aged 25

² Students and courses data relates to all activity delivered by technical and further education (TAFE) institutes, other government providers and community education providers as well as publicly funded activity delivered by private providers.

years and above who are studying transport and storage related courses (see page 14 in the Hansard).

Table 7: Vocational students aged 25 years and above enrolled in selected courses classified to transport and storage occupations (based on ASCO)^{1,2}, 2001–2005

	2001	2002	2003	2004	2005
Male	28,220	28,627	29,526	27,130	26,862
Female	2,865	3,340	4,032	4,010	3,714
Unknown	7	40	22	16	42
Age 25-29	6,014	5,809	5,879	5,457	5,555
Age 30-39	11,045	11,070	11,632	10,570	10,501
Age 40-49	8,632	9,276	9,715	8,823	8,710
Age 50-59	4,637	4,990	5,301	5,271	4,890
Age 60-64	590	674	763	765	743
Age 65 or over	174	188	290	270	219
NSW	4,664	4,711	6,064	6,591	7,192
Vic	16,390	17,176	17,769	16,547	15,776
Qld	3,223	3,535	3,496	2,818	2,924
SA	2,962	2,981	1,356	1,769	1,625
WA	1,777	2,562	3,576	2,190	1,963
Tas	433	516	957	835	612
NT	197	224	192	244	313
ACT	1,446	302	170	162	213
Major cities	16,730	17,069	17,615	16,713	17,178
Inner regional	8,010	8,185	8,500	7,962	7,743
Outer regional	3,953	4,578	5,111	4,666	4,068
Remote	536	676	1,047	538	545
Very remote	551	593	590	516	503
Outside Australia	105	119	93	76	70
Unknown	1,207	787	624	685	511
Indigenous	290	421	457	477	486
Non indigenous	24,672	24,133	26,688	25,492	24,877
Unknown	6,130	7,453	6,435	5,187	5,255
ESB countries	21,506	23,839	24,946	22,928	21,591
NESB countries	2,879	2,619	3,096	3,057	3,563
Unknown	6,707	5,549	5,538	5,171	5,464
Total	31,092	32,007	33,580	31,156	30,618

Notes: 1. See Appendix A for the selected occupations.

2. Occupation is based on the ASCO group assigned to the major course, which is the highest qualification attempted by a student in the reporting year.

Source: NCVET VET Provider Collection

Table 8 provides extra information on student enrolments in VET programs classified to occupations that may be utilised in the transport industry. This information is provided in response to the request for data on other occupations that may be required in the transport and storage industry (see pages 5-6 in the Hansard). The additional occupations were not included in the original data submitted to the committee in December 2006 as they were not defined within the transport and storage agreement industry. Please note that these students may be studying courses relevant to industries other than transport and storage. Occupations are based on selected ASCO groups at the six-digit level (as defined in Appendix C) but data are grouped in the table at the four-digit level (see Appendix G for a detailed view of data showing ASCO groups at the six-digit level).

Table 8: Vocational students enrolled in courses classified to selected occupations (based on ASCO)¹ that may be relevant to the transport industry by occupational group^{2,3,4}, 2001–2005^{5,6}

Course occupation codes (ASCO)	2001	2002	2003	2004	2005
3124 Electronic Engineering Associate Professionals	4,192	3,797	3,839	3,156	2,905
3125 Mechanical Engineering Associate Professionals	9,247	8,557	8,307	8,183	8,119
4100 Mechanical and Fabrication Engineering Tradespersons - Not further defined	7,374	6,497	5,685	6,025	8,428
4110 Mechanical Engineering Tradespersons - Not further defined	4,019	6,075	7,630	8,038	9,219
4111 General Mechanical Engineering Tradespersons	2,847	1,692	491	410	413
4112 Metal Fitters and Machinists	3,521	1,766	1,060	696	340
4114 Aircraft Maintenance Engineers	2,520	2,757	2,819	2,800	2,713
4121 General Fabrication Engineering Tradespersons	5,475	6,307	7,239	8,867	11,124
4122 Structural Steel and Welding Tradespersons	1,412	1,124	494	186	137
4200 Automotive Tradespersons - Not further defined	15	31	57	45	571
4210 Automotive Tradespersons - Not further defined	403	348	564	450	191
4211 Motor Mechanics	17,337	15,714	16,330	17,752	20,716
4212 Automotive Electricians	1,350	1,247	1,171	1,238	1,437
4213 Panel Beaters	2,067	1,919	1,855	1,860	2,066
4214 Vehicle Painters	2,233	2,156	1,924	1,872	2,025
4215 Vehicle Body Makers	392	516	538	683	744
4216 Vehicle Trimmers	210	257	216	217	186
4300 Electrical and Electronics Tradespersons - Not further defined	4,122	6,952	10,338	14,093	17,996
4310 Electrical and Electronics Tradespersons - Not further defined	355	471	1,138	3,130	3,325
4311 Electricians	11,312	11,857	12,456	11,021	9,643
4313 Electrical Distribution Tradespersons	312	455	528	639	1,321
4314 Electronic Instrument Tradespersons	482	252	198	304	179
4981 Marine Construction Tradespersons	520	622	668	907	1,119
5996 Travel Attendants	1,790	4,339	2,286	2,539	3,761
6150 Material Recording and Despatching Clerks - Not further defined	0	(c)	134	664	663
6152 Transport and Despatching Clerks	283	305	294	288	340
6153 Stock and Purchasing Clerks	361	287	291	224	420
6191 Inquiry and Admissions Clerks	7,600	7,304	7,395	5,169	1,946
6211 Sales Representatives	26	(c)	0	0	0
6397 Travel and Tourism Agents	6,813	6,938	6,142	6,675	6,948
7111 Mobile Construction Plant Operators	2,184	2,824	3,349	3,847	3,063
7119 Other Mobile Plant Operators	0	8	(c)	18	786
8292 Ticket Salespersons	0	0	0	(c)	5
Total	100,774	103,376	105,437	111,997	122,849

- Notes:
1. See Appendix C for the selected occupations.
 2. Occupational groups are based on selected occupations at the more detailed six-digit level (see appendix C for the selected occupations) but data are grouped in the table at the four-digit level. Therefore four-digit ASCO groups may not include all six-digit occupations residing under the four-digit group. For example, in the table, ASCO group 6211 – Sales Representatives only includes the six-digit ASCO group 6211-17 Sales Representative (Motor Vehicle Parts and Accessories).
 3. The ASCO code is based on the major course, which is the highest qualification attempted by a student in the reporting year.
 4. Large increases or decreases within occupational groups may be attributable to classification changes. For example, the implementation of new training packages may result in a sudden increase in a particular occupational group, which may be related to a decrease in another group.
 5. (c) represents figures between one and four.
 6. Not further defined indicates that courses were not coded to the more detailed ASCO level.

Source: NCVET VET Provider Collection

Table 9 provides extra information on VET students undertaking training package qualifications that may be relevant to the transport industry (as defined in Appendix E). This information is provided in response to the request for data on other occupations that may be relevant to the

transport and storage industry (see pages 5-6 in the Hansard). Please note that these students may be studying courses relevant to industries other than transport. Data are presented by broad training package area related to the selected courses (see Appendix H for a detailed view of data showing training package qualifications).

As training packages were introduced in the late 1990s, it is important to note that large increases in training activity when analysed by training package between 2001 and 2005, may be due to training packages still being relatively new in 2001.

Table 9: Vocational students enrolled in selected training package qualifications¹ that may be relevant to the transport industry by broad training package area^{2, 3}, 2001–2005

Training package area	2001	2002	2003	2004	2005
AUM - Automotive Industry Manufacturing	0	158	367	430	427
AUR - Automotive Industry Retail, Service and Repair	6,056	10,085	12,225	13,256	16,912
BCC - Civil Construction	707	827	1,003	1,244	1,089
MEA - Aeroskills	452	938	1,265	1,470	1,479
MEM - Metal and Engineering Industry	4,244	6,427	8,081	8,864	11,899
THT - Tourism	3,130	3,088	6,279	6,650	6,798
UTE - Electrotechnology Industry	5,309	8,592	12,099	15,883	20,305
UTT - Electricity Supply Industry - Transmission and Distribution	210	362	400	508	1,034
Total	20,108	30,477	41,719	48,305	59,943

Notes: 1. See Appendix E for the selected training package qualifications.
 2. Training package areas only include selected training package qualifications (see Appendix E for the selected qualifications) and therefore may not include all training package qualifications residing under the training package area.
 3. The Training package qualification is based on the major course, which is the highest qualification attempted by a student in the reporting year.

Source: NCVET VET Provider Collection

Vocational education and training outcomes

Data description

This section provides information on students' views and outcomes on training. Data are provided for graduates employed approximately six months after training. Graduates are defined as students who were awarded a qualification. The information is derived from the Student Outcomes Survey, which provides information about training outcomes for students who completed their vocational education and training (VET) during the prior year. The survey is conducted at the end of May each year, which is approximately six months after the completion of training. In 2005, the scope of the survey was expanded to include students from all VET providers (not just TAFE), as well students whose training was on a fee-for-service basis.

Further data requested

Table 10 repeats data originally submitted to the committee on graduates employed in the transport and storage industry (these occupations are those included in the original submission, see Appendix I for a list of the occupations) by employment status. In the table, data by employment status is also included for all employed graduates.

Table 11 provides data by employment status for graduates employed in all industries and other selected industry areas (as defined by industry groups of employers using the Australian and New Zealand Standard Industrial Classification (ANZSIC)). The table addresses the request for information on the proportion of casually employed graduates in other industries (see page 10 in the Hansard).

Table 10: Graduates employed approximately six months after training in transport and storage¹ and all occupations (based on ASCO) by employment status, 2001 to 2005^{2,3} (%)

	2001		2002		2003		2004		2005	
	Transport graduates	All employed graduates	Transport graduates	All employed graduates	Transport graduates	All employed graduates	Transport graduates	All employed graduates	Transport graduates	All employed graduates
<i>Employment status at end May</i>										
Permanent	54	65	59	65	55	63	54	61	61	62
Casual	37	27	35	28	37	29	38	31	33	30
Employee (Other)	**	1	**	0*	**	0*	0*	1	0*	0*
Employer	2	2	1*	2	2	2	2*	2	2	3
Self employed	6	5	6	5	6	5	7	5	4	5
Total	100	100	100	100	100	100	100	100	100	100

Notes: 1. See Appendix I for the selected transport and storage occupations.

2. Throughout the tables ** indicates the unweighted count for that estimate is less than 5. NCVET's policy not to report these estimates is due to possible confidentiality implications and high errors. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.

3. In 2005, the scope of the survey was expanded to include students from all VET providers (not just TAFE), as well as students whose training was on a fee-for-service basis.

Source: NCVET Student Outcomes Survey

Table 11: Graduates employed approximately six months after training in selected industries (based on ANZSIC) and all industries by employment status, 2001 to 2005^{1, 2} (%)

Industry of employment after training (ANZSIC)	Permanent	Casual	Employee (Other)	Employer	Self employed	Total
<i>2001</i>						
Agriculture, forestry and fishing	44	26	0*	10	19	100
Mining	84	13	**	1*	2*	100
Manufacturing	79	16	0*	1	3	100
Construction	72	13	0*	4	10	100
Wholesale trade	71	21	0*	4	4	100
Transport and storage	73	21	**	1*	5	100
All industries	66	27	0*	2	5	100
<i>2002</i>						
Agriculture, forestry and fishing	47	26	**	6	21	100
Mining	89	10	**	**	2	100
Manufacturing	81	16	**	1*	2	100
Construction	70	14	**	4	11	100
Wholesale trade	69	29	0*	1*	1*	100
Transport and storage	71	21	**	3*	5	100
All industries	66	27	0	2	5	100
<i>2003</i>						
Agriculture, forestry and fishing	44	31	0*	10	15	100
Mining	84	15	**	**	**	100
Manufacturing	78	18	**	1*	3	100
Construction	70	14	0*	5	10	100
Wholesale trade	76	20	0*	1*	2	100
Transport and storage	69	22	**	3	5	100
All industries	64	29	0	2	4	100
<i>2004</i>						
Agriculture, forestry and fishing	40	35	0*	8	17	100
Mining	83	17	0*	0*	**	100
Manufacturing	79	17	**	1*	2*	100
Construction	69	16	0*	3*	12	100
Wholesale trade	69	24	0*	**	5	100
Transport and storage	65	28	0*	4*	4	100
All industries	62	31	0	2	5	100
<i>2005</i>						
Agriculture, forestry and fishing	83	**	0*	0*	**	100
Mining	88	9*	0*	**	**	100
Manufacturing	90	8	0*	0*	2*	100
Construction	81	7	0*	3*	9	100
Wholesale trade	84	11*	0*	0*	**	100
Transport and storage	85	12	**	**	2*	100
All industries	86	9	0*	1	3	100

Notes: 1. Throughout the tables ** indicates the unweighted count for that estimate is less than 5. NCVET's policy not to report these estimates is due to possible confidentiality implications and high errors. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.

2. In 2005, the scope of the survey was expanded to include students from all VET providers (not just TAFE), as well students whose training was on a fee-for-service basis.

Source: NCVET Student Outcomes Survey

Table 12 provides further information on graduates employed in the transport and storage industry by sex and employment status (see Appendix I for a list of the occupations defining the transport and storage industry). This information is provided in response to a request for further information on casually employed graduates in the transport industry by sex (see page 10 in the Hansard).

Table 12: Graduates employed approximately six months after training in transport and storage occupations (based on ASCO)¹ by sex and employment status, 2001 to 2005 (%)^{2, 3}

		2001	2002	2003	2004	2005
<i>Sex</i>	<i>Employment status at end May</i>					
Male	Permanent	57	61	54	56	62
	Casual	34	32	37	37	31
	Employee (Other)	**	**	**	0*	**
	Employer	2	1*	2	2*	2
	Self employed	6	6	6	5*	4
	Total	100	100	100	100	100
Female ⁴	Permanent	41	45	50	47	54
	Casual	50	51	45	41	41
	Employee (Other)	0*	0*	**	0*	**
	Employer	**	**	1*	**	2*
	Self employed	7*	3*	4*	12*	3*
	Total	100	100	100	100	100
Total	Permanent	54	59	55	54	61
	Casual	37	35	37	38	33
	Employee (Other)	**	**	**	0*	0*
	Employer	2	1*	2	2*	2
	Self employed	6	6	6	7	4
	Total	100	100	100	100	100

Notes: 1. See Appendix I for the selected occupations.

2. Throughout the tables ** indicates the unweighted count for that estimate is less than 5. NCVET's policy not to report these estimates is due to possible confidentiality implications and high errors. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.

3. In 2005, the scope of the survey was expanded to include students from all VET providers (not just TAFE), as well students whose training was on a fee-for-service basis.

4. There are only a small number of females employed in the transport and storage occupations (for example, 85% of all graduates employed in the transport and storage industry in 2005 were male).

Source: NCVET Student Outcomes Survey

Tables 13 and 14 provide extra information on graduates employed in other occupations that may be relevant to the transport and storage industry (as defined in Appendix J). This information is provided in response to the request for data on other occupations that may be required in the transport and storage industry, such as mechanics (see pages 5-6 in the Hansard). Please note that these graduates may be employed in industries other than transport and storage.

Table 13: Outcomes of graduates employed approximately six months after training in selected additional occupations (based on ASCO)¹ that may be related to transport, 2001 to 2005 (%)^{2, 3, 4}

	2001	2002	2003	2004	2005
<i>Employment status at end May</i>					
Permanent	87	88	86	88	86
Casual	9	8	10	10	9
Employee (Other)	0*	**	**	0*	0*
Employer	1	1	1	1*	1
Self employed	2	3	2	2*	3
Total	100	100	100	100	100
<i>Relevance of course to job at end May (summary)</i>					
Highly/somewhat relevant	89	89	87	89	82
Very little/no relevance	11	11	13	11	18
Total	100	100	100	100	100
<i>Benefits of completing course</i>					
Got a job	34	32	36	35	36
An increase in earnings	39	36	37	45	37
A promotion (or increased status at work)	22	25	24	33	28
Change of job	13	11	14	14	15
Was able to set up my own business	NA	5	4	5	6
Other	3	**	5	4	9
<i>Benefits of completing course (summary)</i>					
At least one benefit	77	76	79	85	84
No benefits	23	24	21	15	16
Total	100	100	100	100	100
<i>Main reason for undertaking course</i>					
To get a job	18	18	20	18	18
To develop my existing business	NA	2	1	1*	1
To start my own business	NA	3	4	3	3
To try for a different career	9	6	6	6	7
To get a better job or promotion	9	10	9	9	7
It was a requirement of my job	37	39	35	32	37
I wanted extra skills for my job	13	15	14	19	17
To get into another course of study	1	1	1	1*	1
For interest or personal reasons	9	6	8	10	7
Other reasons	4	1	2	1*	1
Total	100	100	100	100	100
<i>Reason for study (summary)</i>					
Employment related	85	92	89	87	91
Further study	1	1	1	1*	1
Personal development or other	13	7	10	11	8
Total	100	100	100	100	100
<i>Achieved main reason (summary)</i>					
Wholly or partly	90	88	88	91	91
No	4	4	5	3	3
Don't know yet	5	8	7	6	5
Total	100	100	100	100	100
<i>Satisfaction with overall quality of training</i>					
Satisfied	80	77	81	85	86
Dissatisfied	4	4	7	5	6
Neither satisfied or dissatisfied	16	19	11	10	8
Total	100	100	100	100	100

Notes: 1. See Appendix J for the selected occupations.

2. Throughout the tables ** indicates the unweighted count for that estimate is less than 5. NCVER's policy not to report these estimates is due to possible confidentiality implications and high errors. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.
3. In 2005, the scope of the survey was expanded to include students from all VET providers (not just TAFE), as well students whose training was on a fee-for-service basis.
4. NA indicates that the variable or option was not asked in that year.

Source: NCVER Student Outcomes Survey

Table 14: Student and course characteristics of graduates employed approximately six months after training in selected occupations (based on ASCO)¹ that may be related to transport, 2001 to 2005 (%)^{2, 3}

	2001	2002	2003	2004	2005
<i>Age</i>					
15-24	65	61	60	59	53
25-44	29	30	33	35	36
45+	6	9	7	7	11
Total	100	100	100	100	100
<i>Sex</i>					
Male	88	91	89	91	86
Female	12	9	11	9	14
Total	100	100	100	100	100
<i>Qualification</i>					
Diplomas and above	10	9	10	12	8
Certificate IV	9	11	12	12	16
Certificate III	60	59	56	55	53
Certificate II	10	12	12	8	16
Certificate I	7	7	8	6	6
Other	3	3	2	6	0
Total	100	100	100	100	100
<i>Field of education⁴</i>					
Natural and Physical Sciences			**	0*	**
Information Technology			2	2*	1
Engineering and Related Technologies			77	82	68
Architecture and Building			1	1*	2
Agriculture, Environmental and Related Studies			2	**	3
Health			1	1*	1
Education	Not available		1	1*	3
Management and Commerce			12	10	16
Society and Culture			2	2*	2
Creative Arts			0*	1*	1
Food, Hospitality and Personal Services			1	1*	2
Mixed Field Programs			2	**	2
Total			100	100	100

Notes: 1. See Appendix J for the selected occupations.

2. Throughout the tables ** indicates the unweighted count for that estimate is less than 5. NCVER's policy not to report these estimates is due to possible confidentiality implications and high errors. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.

3. In 2005, the scope of the survey was expanded to include students from all VET providers (not just TAFE), as well students whose training was on a fee-for-service basis.

4. Field of education was introduced in 2003, previously field of study was reported. Therefore, field of education is not available for 2001 and 2002.

Source: NCVER Student Outcomes Survey

Employers' use and views of vocational education and training

Data description

This section contains information on employers' use and views of the vocational education and training system.

Further information requested

Table 15, 16, 17 and 18 provide information on the reasons why employers in the transport industry do not employ apprentices and trainees and do not have jobs that require formal vocational qualifications (employers are defined as within the transport and storage industry group, based on ANZSIC). The tables are provided in response to the request for information regarding the reasons why employers in the transport and storage industry do not employ apprentices and trainees (see page 14 of the Hansard).

Table 15: Reasons for not¹ using apprentices and trainees in the transport and storage industry², 2005

Top two reasons	%
No need/ unsuitable for/ not Relevant To this organisation	81
Current employees adequately trained	10

Notes: 1. 'Not' having an aspect of VET was asked of those who had not used or considered the option in the past.
2. Based on ANZSIC.

Source: 2005 Survey of Employers' Use and Views of the VET system

Table 16: Reasons for no longer¹ using apprentices and trainees in the transport and storage industry², 2005³

Top 3 reasons	%
No need/ unsuitable for/ not relevant to this organisation	61
Cost/ too expensive	23*
Current employees adequately trained	11*

Notes: 1. 'No longer' having an aspect of VET was asked of those who had used the option in the past.
2. Based on ANZSIC.
3. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.

Source: 2005 Survey of Employers' Use and Views of the VET system

Table 17: Reasons for not¹ having jobs with formal vocational qualifications as a requirement in the transport and storage industry², 2005³

Top 2 reasons	%
No need/ unsuitable for/ not relevant to this organisation	90
Prefer other ways of meeting skill needs	11*

Notes: 1. 'Not' having an aspect of VET was asked of those who had not used or considered the option in the past.
2. Based on ANZSIC.
3. The * indicates the estimate has a relative standard error greater than 25% and therefore should be used with caution.

Source: 2005 Survey of Employers' Use and Views of the VET system

Table 18: Reasons for no longer¹ having jobs with formal vocational qualifications¹ as a requirement in the transport and storage industry², 2005

Top reason	%
No need/ unsuitable for/ not relevant to this organisation	81

Notes: 1. 'No longer' having an aspect of VET was asked of those who had used the option in the past.
2. Based on ANZSIC.

Source: 2005 Survey of Employers' Use and Views of the VET system

Appendix A

This appendix provides a list of occupations (based on ASCO) relevant to the transport industry that were used to derive data originally submitted to address the inquiry. This list of occupations was derived from the agreement industry of transport and storage (see table A1). The occupation codes were used to derive tables 1, 2, 3 and 7 of the present paper.

Reference: Australian Bureau of Statistics, 1997, ASCO – Australian Standard Classification of Occupations, Cat. no. 1220.0, ABS, Canberra.

Table A1: List of ASCO codes relevant to transport and storage

ASCO code	Description
2541-00	Airport Transport Professionals - not further defined
2541-11	Aircraft Pilot
2541-13	Air Traffic Controller
2541-15	Flight Service Officer
2541-17	Flight Engineer
2541-79	Air Transport Professionals not elsewhere classified
2542-00	Sea Transport Professionals - not further defined
2542-11	Ships Master
2542-19	Ships Officer
2542-79	Sea Transport Professionals not elsewhere classified
3393-00	Transport Company Managers - not further defined
3393-11	Transport Company Manager
3399-13	Railway Station Manager
3399-21	Fleet Manager
4999-13	Diver
4999-15	Aircraft Safety Equipment Officer
6194-17	Motor Vehicle Licence Examiner
6194-21	Train Examiner
7000-00	Intermediate Production and Transport Workers - not further defined
7112-00	Forklift Drivers - not further defined
7112-11	Forklift Driver
7119-13	Railway Track Repair Mobile Plant Operator
7119-15	Streetsweeper Operator
7129-11	Railway Signal Operator
7129-13	Train Controller
7129-23	Bulk Materials Handling Plant Operator
7300-00	Road & Rail Transport Drivers - not further defined
7310-00	Road and Rail Transport Drivers - not further defined
7311-00	Truck Drivers - not further defined
7311-11	Heavy Truck Driver
7311-13	Furniture Removalist
7312-00	Bus & Tram Drivers - not further defined
7312-11	Bus Driver
7312-13	Tram Driver
7313-00	Automobile Drivers - not further defined
7313-11	Automobile Driver
7314-00	Delivery Drivers - not further defined
7314-11	Delivery Drivers
7315-00	Train Drivers & Assistants - not further defined
7315-11	Train Driver
7315-13	Train Drivers Assistant
7993-00	Storepersons - not further defined

ASCO code	Description
7993-01	Supervisor, Storepersons
7993-11	Storeperson
7994-00	Seafarers & Fishing Hands - not further defined
7994-11	Seafarer
8292-13	Transport Conductor
8319-11	Railways Assistant
9915-00	Railway Labourers - not further defined
9915-11	Railway Labourer
9992-00	Freight & Furniture Handlers - not further defined
9992-11	Freight Handler (Road & Rail)
9992-13	Waterside Worker
9992-15	Truck Drivers Offsider

Note: Not further defined indicates that courses are not coded to the more detailed ASCO level.

Appendix B

This appendix provides a list of the training package qualifications relevant to the transport industry that were used to derive data originally submitted to address the inquiry. The qualifications include all training package qualifications in TDA – Aviation, TDM – Maritime and TDT – Transport and Distribution as well as other selected training package qualifications relevant to transport (see table B1). These codes were used to derive table 4 of the present report.

Table B1: List of training package qualifications relevant to transport and storage

Training package qualifications
AUR30899 - Certificate III in Automotive (Mechanical - Heavy Vehicle Road Transport)
RUA23598 - Certificate II in Agriculture (Cane Haulage)
RUA33598 - Certificate III in Agriculture (Cane Haulage)
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)
TDA40405 - Certificate IV in Transport and Distribution (Aviation Ground Operations and Service)
TDA50303 - Diploma of Transport and Distribution (Air Traffic Control)
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)
TDT10102 - Certificate I in Transport and Distribution (Warehousing and Storage)
TDT10197 - Certificate I in Transport and Distribution (Warehousing)
TDT10202 - Certificate I in Transport and Distribution (Road Transport)
TDT10297 - Certificate I in Transport and Distribution (Road Transport)
TDT10397 - Certificate I in Transport and Distribution (Stevedoring)
TDT10402 - Certificate I in Transport and Distribution (Rail Operations)
TDT10498 - Certificate I in Transport and Distribution (Rail Operations)
TDT10598 - Certificate I in Transport and Distribution (Rail Passenger Services)
TDT11102 - Certificate I in Transport and Distribution (Administration)
TDT20102 - Certificate II in Transport and Distribution (Warehousing and Storage)
TDT20197 - Certificate II in Transport and Distribution (Warehousing)
TDT20202 - Certificate II in Transport and Distribution (Road Transport)
TDT20297 - Certificate II in Transport and Distribution (Road Transport)
TDT20302 - Certificate II in Transport and Distribution (Stevedoring)
TDT20397 - Certificate II in Transport and Distribution (Stevedoring)
TDT20402 - Certificate II in Transport and Distribution (Rail Operations)
TDT20498 - Certificate II in Transport and Distribution (Rail Operations)
TDT20598 - Certificate II in Transport and Distribution (Rail Passenger Services)
TDT20698 - Certificate II in Transport and Distribution (Rail Freight Services)
TDT20702 - Certificate II in Transport and Distribution (Rail Infrastructure)
TDT20798 - Certificate II in Transport and Distribution (Rail Civil Infrastructure)

Training package qualifications

TDT21102 - Certificate II in Transport and Distribution (Administration)
TDT30102 - Certificate III in Transport and Distribution (Warehousing and Storage)
TDT30197 - Certificate III in Transport and Distribution (Warehousing)
TDT30202 - Certificate III in Transport and Distribution (Road Transport)
TDT30297 - Certificate III in Transport and Distribution (Road Transport)
TDT30302 - Certificate III in Transport and Distribution (Stevedoring)
TDT30397 - Certificate III in Transport and Distribution (Stevedoring)
TDT30402 - Certificate III in Transport and Distribution (Rail Operations)
TDT30498 - Certificate III in Transport and Distribution (Rail Operations)
TDT30598 - Certificate III in Transport and Distribution (Rail Passenger Services)
TDT30698 - Certificate III in Transport and Distribution (Rail Freight Services)
TDT30702 - Certificate III in Transport and Distribution (Rail Infrastructure)
TDT30798 - Certificate III in Transport and Distribution (Rail Civil Infrastructure)
TDT30802 - Certificate III in Transport and Distribution (Cash in Transit)
TDT30898 - Certificate III in Transport and Distribution (Cash in Transit)
TDT30902 - Certificate III in Transport and Distribution (Mobile Cranes Operations)
TDT30998 - Certificate III in Transport and Distribution (Mobile Crane Operations)
TDT31102 - Certificate III in Transport and Distribution (Administration)
TDT40102 - Certificate IV in Transport and Distribution (Warehousing and Storage)
TDT40197 - Certificate IV in Transport and Distribution (Warehousing)
TDT40202 - Certificate IV in Transport and Distribution (Road Transport)
TDT40297 - Certificate IV in Transport and Distribution (Road Transport)
TDT40397 - Certificate IV in Transport and Distribution (Stevedoring)
TDT40402 - Certificate IV in Transport and Distribution (Rail Operations)
TDT40498 - Certificate IV in Transport and Distribution (Rail Operations)
TDT40598 - Certificate IV in Transport and Distribution (Rail Passenger Services)
TDT40702 - Certificate IV in Transport and Distribution (Rail Infrastructure)
TDT40798 - Certificate IV in Transport and Distribution (Rail Civil Infrastructure)
TDT40998 - Certificate IV in Transport and Distribution (Mobile Crane Operations)
TDT41102 - Certificate IV in Transport and Distribution (Administration)
TDT51002 - Diploma of Logistics Management
TDT51098 - Diploma of Transport and Distribution (Logistics)
TDT61002 - Advanced Diploma of Logistics Management
TDT61098 - Advanced Diploma of Transport and Distribution (Logistics)
ZQF20100 - Certificate II in Airline Operations (Customer and Business Focus)
ZQF20300 - Certificate II in Airline Operations (Airport ramp services)
ZQF20100 - Certificate II in Airline Operations (Cabin Crew)
ZQF30100 - Certificate III in Airline Operations (Cabin Crew)
ZQF40100 - Certificate IV in Airline Operations (Leadership and Management)
ZQF40200 - Certificate IV in Airline Operations (Cabin Crew)
ZQF50100 - Diploma of Airline Operations (Leadership and Management)
ZQF50200 - Diploma of Airline Operations (Cabin Crew)
ZQR10100 Certificate I in Queensland Rail Civil Infrastructure Trackworker
ZQR20100 Certificate II in Queensland Rail Civil Infrastructure Trackworker
ZQR304100 Certificate III in Queensland Rail Civil Infrastructure Trackworker

Appendix C

This appendix provides a list of occupations (based on ASCO) that may be utilised in the transport industry (see table C1). These occupations were not included in the original data submitted to the committee in December 2006 as they were not defined within the transport and storage agreement industry. The occupation codes were used to derive tables 5 and 8 of the present paper.

Reference: Australian Bureau of Statistics, 1997, ASCO – Australian Standard Classification of Occupations, Cat. no. 1220.0, ABS, Canberra.

Table C1: List of ASCO codes that may be relevant to transport and storage

ASCO code and description
3124-00 Electronic Engineering Associate Professionals - not further defined
3124-13 Electronic Engineering Technician
3124-11 Electronic Engineering Associate
3125-00 Mechanical Engineering Associate Professionals - not further defined
3125-13 Mechanical Engineering Technician
3125-11 Mechanical Engineering Associate
4100-00 Mechanical and Fabrication Engineering Tradespersons - not further defined
4110-00 Mechanical Engineering Tradespersons - not further defined
4111-00 General Mechanical Engineering Tradespersons - not further defined
4111-01 Supervisor, General Mechanical Engineering Tradespersons
4111-11 General Mechanical Engineering Tradesperson
4111-81 Apprentice General Mechanical Engineering Tradesperson
4112-00 Metal Fitters and Machinists - not further defined
4112-01 Supervisor, Metal Fitters and Machinists
4112-11 Fitter
4112-13 Metal Machinist (First Class)
4112-81 Apprentice Fitter
4112-83 Apprentice Metal Machinist
4114-00 Aircraft Maintenance Engineers - not further defined
4114-01 Supervisor, Aircraft Maintenance Engineers
4114-11 Aircraft Maintenance Engineer (Mechanical)
4114-13 Aircraft Maintenance Engineer (Structures)
4114-15 Aircraft Maintenance Engineer (Avionics)
4114-81 Apprentice Aircraft Maintenance Engineer (Mechanical)
4121-00 General Fabrication Engineering Tradespersons - not further defined
4121-01 Supervisor, General Fabrication Engineering Tradespersons
4121-11 General Fabrication Engineering Tradesperson
4121-81 Apprentice General Fabrication Engineering Tradesperson
4122-15 Welder (First Class)
4200-00 Automotive Tradespersons - not further defined
4210-00 Automotive Tradespersons - not further defined
4211-00 Motor Mechanics - not further defined
4211-01 Supervisor, Motor Mechanics
4211-11 Motor Mechanic
4211-81 Apprentice Motor Mechanic
4212-00 Automotive Electricians - not further defined
4212-01 Supervisor, Automotive Electricians
4212-11 Automotive Electrician
4212-81 Apprentice Automotive Electrician
4213-00 Panel Beaters - not further defined
4213-11 Panel Beater

ASCO code and description

4213-81 Apprentice Panel Beater
4214-00 Vehicle Painters - not further defined
4214-11 Vehicle Painter
4214-81 Apprentice Vehicle Painter
4215-00 Vehicle Body Makers - not further defined
4215-01 Supervisor, Vehicle Body Makers
4215-11 Vehicle Body Maker
4215-81 Apprentice Vehicle Body Maker
4216-00 Vehicle Trimmers - not further defined
4216-01 Supervisor, Vehicle Trimmers
4216-11 Vehicle Trimmer
4216-81 Apprentice Vehicle Trimmer
4300-00 Electrical and Electronics Tradespersons - not further defined
4310-00 Electrical and Electronics Tradespersons - not further defined
4311-00 Electricians - not further defined
4311-11 General Electrician
4311-81 Apprentice Electrician
4313-11 Electrical Powerline Tradesperson
4313-81 Apprentice Electrical Powerline Tradesperson
4314-00 Electronic Instrument Tradespersons - not further defined
4314-01 Supervisor, Electronic Instrument Tradespersons
4314-11 General Electronic Instrument Tradesperson
4314-13 Electronic Instrument Tradesperson (Special Class)
4314-81 Apprentice Electronic Instrument Tradesperson
4981-00 Marine Construction Tradespersons - not further defined
4981-11 Shipwright
4981-13 Boat Builder and Repairer
4981-83 Apprentice Boat Builder and Repairer
5996-00 Travel Attendants - not further defined
5996-11 Flight Service Director
5996-13 Flight Attendant
5996-79 Travel Attendants - not elsewhere classified
6150-00 Material Recording and Despatching Clerks - not further defined
6152-00 Transport and Despatching Clerks - not further defined
6152-01 Supervisor, Transport and Despatching Clerks
6152-11 Receiving and Despatching Clerk
6152-13 Import-Export Clerk
6153-00 Stock and Purchasing Clerks - not further defined
6153-01 Supervisor, Stock and Purchasing Clerks
6153-11 Stock Clerk
6153-13 Purchasing Officer
6153-17 Sales Clerk
6191-00 Inquiry and Admissions Clerks - not further defined
6191-11 Inquiry Clerk
6191-13 Admissions Clerk
6200-00 Intermediate Sales and Related Workers - not further defined
6211-17 Sales Representative (Motor Vehicle Parts and Accessories)
6397-00 Travel and Tourism Agents - not further defined
6397-11 Travel Agent
6397-13 Tourist Information Officer
7111-11 General Construction Plant Operator
7111-25 Road Roller Operator
7119-79 Mobile Plant Operators - not elsewhere classified

ASCO code and description

8292-00 Ticket Salespersons - not further defined

8292-11 Ticket Seller

Note: Not further defined indicates that courses are not coded to the more detailed ASCO level.

Appendix D

Table D1: Apprentices and trainees in-training at 30 June in selected occupations (based on ASCO)¹ that may be relevant to the transport industry by occupational group, 2002 to 2006^{2, 3, 4, 5}

	2002	2003	2004	2005	2006
3124-13 Electronic Engineering Technician	30	70	120	160	180
3125-11 Mechanical Engineering Associate	40	20	(a)	(a)	0
3125-13 Mechanical Engineering Technician	1,090	1,100	920	970	1,100
4100-00 Mechanical and Fabrication Engineering Tradespersons - Not further defined	100	780	870	1180	1490
4110-00 Mechanical Engineering Tradespersons - Not further defined	4,820	5,650	6,500	7,150	7,430
4111-00 General Mechanical Engineering Tradespersons - Not further defined	420	140	20	(a)	0
4111-11 General Mechanical Engineering Tradesperson	890	280	10	10	20
4111-81 Apprentice General Mechanical Engineering Tradesperson	80	70	40	10	20
4112-00 Metal Fitters and Machinists - Not further defined	(a)	(a)	0	0	0
4112-11 Fitter	230	260	280	360	440
4112-13 Metal Machinist (First Class)	800	990	1,140	1,330	1,450
4112-81 Apprentice Fitter	(a)	(a)	(a)	0	0
4112-83 Apprentice Metal Machinist	(a)	(a)	0	0	0
4114-00 Aircraft Maintenance Engineers - Not further defined	20	10	20	20	20
4114-11 Aircraft Maintenance Engineer (Mechanical)	610	740	820	800	690
4114-13 Aircraft Maintenance Engineer (Structures)	100	110	190	170	140
4114-15 Aircraft Maintenance Engineer (Avionics)	250	310	400	400	330
4121-11 General Fabrication Engineering Tradesperson	5,420	5,780	6,620	7,910	8,990
4121-81 Apprentice General Fabrication Engineering Tradesperson	0	0	0	0	0
4122-15 Welder (First Class)	(a)	0	0	0	(a)
4200-00 Automotive Tradespersons - Not further defined	120	60	60	90	1,420
4210-00 Automotive Tradespersons - Not further defined	10	10	(a)	(a)	80
4211-00 Motor Mechanics - Not further defined	(a)	(a)	(a)	(a)	270
4211-11 Motor Mechanic	15,650	16,700	18,320	20,120	19,120
4211-81 Apprentice Motor Mechanic	1020	640	270	10	(a)
4212-00 Automotive Electricians - Not further defined	0	0	0	(a)	80
4212-11 Automotive Electrician	1,030	1,070	1,220	1,350	1,380
4212-81 Apprentice Automotive Electrician	120	70	40	(a)	0
4213-00 Panel Beaters - Not further defined	0	0	0	(a)	150
4213-11 Panel Beater	1,920	1,700	1,600	1,650	1,450
4213-81 Apprentice Panel Beater	(a)	(a)	(a)	0	0
4214-00 Vehicle Painters - Not further defined	0	0	0	(a)	140
4214-11 Vehicle Painter	1,950	1,850	1,890	2,010	1,860
4214-81 Apprentice Vehicle Painter	20	10	(a)	0	0
4215-00 Vehicle Body Makers - Not further defined	0	(a)	(a)	(a)	80
4215-01 Supervisor, Vehicle Body Makers	40	60	70	80	60
4215-11 Vehicle Body Maker	1530	2770	2800	2890	2340
4215-81 Apprentice Vehicle Body Maker	0	0	0	0	0
4216-00 Vehicle Trimmers - Not further defined	0	0	0	0	10
4216-01 Supervisor, Vehicle Trimmers	10	(a)	(a)	0	0
4216-11 Vehicle Trimmer	180	190	210	210	200
4300-00 Electrical and Electronics Tradespersons - Not further defined	4,570	6,670	9,050	11,370	12,790
4310-00 Electrical and Electronics Tradespersons - Not further defined	1110	1200	1560	1820	1820

	2002	2003	2004	2005	2006
4311-00 Electricians - Not further defined	0	0	(a)	(a)	(a)
4311-11 General Electrician	5,750	5,230	5,270	5,760	6,910
4311-81 Apprentice Electrician	1150	920	700	540	550
4313-11 Electrical Powerline Tradesperson	450	620	870	1,280	1,530
4314-00 Electronic Instrument Tradespersons - Not further defined	90	90	100	110	120
4314-11 General Electronic Instrument Tradesperson	290	300	310	350	380
4314-13 Electronic Instrument Tradesperson (Special Class)	(a)	(a)	(a)	(a)	(a)
4314-81 Apprentice Electronic Instrument Tradesperson	(a)	(a)	(a)	(a)	(a)
4981-00 Marine Construction Tradespersons - Not further defined	0	0	(a)	30	50
4981-11 Shipwright	50	50	40	40	30
4981-13 Boat Builder and Repairer	590	650	740	820	790
5996-79 Travel Attendants - Not elsewhere classified	450	380	140	180	180
6150-00 Material Recording and Despatching Clerks - Not further defined	10	150	560	690	780
6153-00 Stock and Purchasing Clerks - Not further defined	0	0	0	0	(a)
6153-01 Supervisor, Stock and Purchasing Clerks	(a)	30	90	250	520
6153-11 Stock Clerk	0	0	(a)	(a)	(a)
6153-17 Sales Clerk	20	30	(a)	(a)	20
6191-11 Inquiry Clerk	3990	4910	4810	3480	3160
6191-13 Admissions Clerk	0	0	0	0	0
6200-00 Intermediate Sales and Related Workers - Not further defined	(a)	0	20	100	140
6211-17 Sales Representative (Motor Vehicle Parts and Accessories)	160	140	20	30	160
6397-00 Travel and Tourism Agents - Not further defined	20	90	240	390	540
6397-11 Travel Agent	600	560	410	370	420
6397-13 Tourist Information Officer	60	130	200	220	190
7111-11 General Construction Plant Operator	3,120	3,590	2,520	1,320	870
7111-25 Road Roller Operator	1,260	1,660	1,500	1,080	1,100
7119-79 Mobile Plant Operators - Not elsewhere classified	110	110	100	270	590
8292-00 Ticket Salespersons - Not further defined	0	0	0	(a)	20
8292-11 Ticket Seller	0	0	0	(a)	60

- Notes:
1. See Appendix C for the selected occupations.
 2. Large increases or decreases within occupational groups may be attributable to classification changes. For example, the implementation of new training packages may result in a sudden increase in a particular occupational group, which may be related to a decrease in another group.
 3. Due to confidentiality, (a) represents figures 1 to 9 inclusive.
 4. Figures may not sum due to rounding.
 5. Not further defined indicates that courses were not coded to the more detailed ASCO level.

Source: NCVET National Apprentice and Trainee Collection, based on September 2006 estimates

Appendix E

This appendix provides a list of training package qualifications that may be utilised in the transport industry (see table E1). These additional training package qualifications were not included in the original data submitted to the committee in December 2006. The qualifications were used to derive tables 6 and 9 of the present paper.

Table E1: List of training package qualifications that may be relevant to transport and storage

Training package qualifications
AUM25101 - Certificate II in Automotive Manufacturing (Bus, Truck & Trailer)
AUM35101 - Certificate III in Automotive Manufacturing (Bus, Truck & Trailer)
AUM40100 - Certificate IV in Automotive Manufacturing (Frontline Management)
AUM40200 - Certificate IV in Automotive Manufacturing (Manufacturing Maintenance)
AUM45101 - Certificate IV in Automotive Manufacturing (Bus, Truck & Trailer)
AUM50100 - Diploma of Automotive Manufacturing (Frontline Management)
AUM50200 - Diploma of Automotive Manufacturing (Manufacturing Maintenance)
AUR10105 - Certificate I in Automotive
AUR10105 - Certificate I in Automotive
AUR10199 - Certificate I in Automotive
AUR10199 - Certificate I in Automotive
AUR20505 - Certificate II in Automotive Vehicle Servicing
AUR20699 - Certificate II in Automotive (Electrical - Accessory Fitting)
AUR20699 - Certificate II in Automotive (Electrical - Accessory Fitting)
AUR20799 - Certificate II in Automotive (Mechanical - Air Conditioning)
AUR20799 - Certificate II in Automotive (Mechanical - Air Conditioning)
AUR20899 - Certificate II in Automotive (Mechanical - Cylinder Head Reconditioning)
AUR20899 - Certificate II in Automotive (Mechanical - Cylinder Head Reconditioning)
AUR20905 - Certificate II in Automotive Vehicle Body
AUR20999 - Certificate II in Automotive (Mechanical - Driveline)
AUR20999 - Certificate II in Automotive (Mechanical - Driveline)
AUR21099 - Certificate II in Automotive (Mechanical - Exhaust Fitting and Repair)
AUR21099 - Certificate II in Automotive (Mechanical - Exhaust Fitting and Repair)
AUR21199 - Certificate II in Automotive (Mechanical - Natural Gas Vehicle [NGV] Services)
AUR21199 - Certificate II in Automotive (Mechanical - Natural Gas Vehicle [NGV] Services)
AUR21205 - Certificate II in Automotive Warehousing/Distribution Operations
AUR21299 - Certificate II in Automotive (Mechanical - Radiator Repairs)
AUR21299 - Certificate II in Automotive (Mechanical - Radiator Repairs)
AUR21399 - Certificate II in Automotive (Mechanical - Steering and Suspension)
AUR21399 - Certificate II in Automotive (Mechanical - Steering and Suspension)
AUR21499 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Heavy)
AUR21499 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Heavy)
AUR21599 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Light)
AUR21599 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Light)
AUR21699 - Certificate II in Automotive (Mechanical - Underbody)
AUR21699 - Certificate II in Automotive (Mechanical - Underbody)
AUR21799 - Certificate II in Automotive (Mechanical - Vehicle Servicing)
AUR21799 - Certificate II in Automotive (Mechanical - Vehicle Servicing)
AUR30199 - Certificate III in Automotive (Electrical)
AUR30299 - Certificate III in Automotive (Mechanical - Automatic Transmission)
AUR30305 - Certificate III in Automotive Electrical Technology
AUR30399 - Certificate III in Automotive (Mechanical - Brakes)
AUR30405 - Certificate III in Automotive Mechanical Technology
AUR30499 - Certificate III in Automotive (Mechanical - Diesel Fitter)
AUR30599 - Certificate III in Automotive (Mechanical - Diesel Fuel Specialist)

Training package qualifications

AUR30605 - Certificate III in Automotive Specialist
AUR30699 - Certificate III in Automotive (Mechanical - Driveline)
AUR30799 - Certificate III in Automotive (Mechanical - Engine Reconditioning)
AUR30805 - Certificate III in Automotive Vehicle Body
AUR30999 - Certificate III in Automotive (Mechanical - Heavy Vehicle Mobile Equipment, Plant/Earth Moving/Agriculture)
AUR31105 - Certificate III in Automotive Warehousing/Distribution Operations
AUR31205 - Certificate III in Automotive Retail, Service and Repair
AUR31599 - Certificate III in Automotive (Vehicle Body - Building)
AUR31699 - Certificate III in Automotive (Vehicle Body - Panel Beating)
AUR31799 - Certificate III in Automotive (Vehicle Body - Trimming)
AUR31899 - Certificate III in Automotive (Vehicle Body - Vehicle Painting)
AUR35201 - Certificate III in Automotive Aftermarket Warehousing/Distribution Operations
AUR40105 - Certificate IV in Automotive Management
AUR40199 - Certificate IV in Automotive
AUR40202 - Certificate IV in Automotive (Motorsport)
AUR40205 - Certificate IV in Automotive Technology
AUR40302 - Certificate IV in Automotive (Performance Enhancement)
AUR40405 - Certificate IV in Automotive Performance Enhancement
AUR45101 - Certificate IV in Automotive Aftermarket Retail Management
AUR45201 - Certificate IV in Automotive Aftermarket Warehousing/Distribution Management
AUR50105 - Diploma of Automotive Management
AUR50199 - Diploma of Automotive
AUR50201 - Diploma of Automotive Aftermarket Management
AUR50205 - Diploma of Automotive Technology
AUR50302 - Diploma of Automotive (Technology)
BCC30298 - Certificate III in Civil Construction (Road Construction & Maintenance)
BCC30303 - Certificate III in Civil Construction (Bridge Construction and Maintenance)
BCC30398 - Certificate III in Civil Construction (Tunnel Construction)
BCC30498 - Certificate III in Civil Construction (Bridge/Marine Construction)
BCC30698 - Certificate III in Civil Construction (Railway Construction & Maintenance)
BCC30703 - Certificate III in Civil Construction (Road Construction and Maintenance)
BCC30801 - Certificate III in Civil Construction (Road Marking)
BCC30803 - Certificate III in Civil Construction (Road Marking)
BCC30903 - Certificate III in Civil Construction (Trenchless Technology)
BCC31003 - Certificate III in Civil Construction (Tunnel Construction)
BCC31103 - Certificate III in Timber Bridge Construction and Maintenance
BCC31105 - Certificate III in Civil Construction (Timber Bridge Construction and Maintenance)
MEA20197 - Certificate II in Aeroskills (Aircraft Avionics) (Replaced by MEA20401)
MEA20297 - Certificate II in Aeroskills (Aircraft Mechanical) (Replaced by MEA20401)
MEA20397 - Certificate II in Aeroskills (Aircraft Structures) (Replaced by MEA20401)
MEA20401 - Certificate II in Aeroskills
MEA40197 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Avionics) (Replaced by MEA40602)
MEA40297 - Certificate IV in Aeroskills (Aircraft Mechanics - Avionics) (Replaced by MEA40602)
MEA40397 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Mechanical) (Replaced by MEA40702)
MEA40497 - Certificate IV in Aeroskills (Aircraft Mechanics - Mechanical) (Replaced by MEA40702)
MEA40597 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Structures Maintenance) (Replaced by MEA40802)
MEA40602 - Certificate IV in Aeroskills (Avionics)
MEA40702 - Certificate IV in Aeroskills (Mechanical)
MEA40802 - Certificate IV in Aeroskills (Structures)
MEA50104 - Diploma of Aeroskills (Avionics)
MEA50204 - Diploma of Aeroskills (Mechanical)
MEM10203 - Certificate I in Boating Services

Training package qualifications

MEM10205 - Certificate I in Boating Services
MEM20303 - Certificate II in Boating Services
MEM20305 - Certificate II in Boating Services
MEM30205 - Certificate III in Engineering - Mechanical Trade
MEM30298 - Certificate III in Engineering - Mechanical Trade
MEM30405 - Certificate III in Engineering - Electrical/Electronic Trade
MEM30498 - Certificate III in Engineering - Electrical/Electronic Trade
MEM30603 - Certificate III in Marine Craft Construction
MEM30703 - Certificate III in Boating Services
MEM30705 - Certificate III in Marine Craft Construction
MEM30905 - Certificate III in Boating Services
MEM40203 - Certificate IV in Boating Services
MEM40205 - Certificate IV in Boating Services
THT20502 - Certificate II in Tourism (Operations)
THT30202 - Certificate III in Tourism (Retail Travel Sales)
THT30302 - Certificate III in Tourism (International Retail Travel Sales)
THT30398 - Certificate III in Tourism (International Retail Travel Sales)
THT31002 - Certificate III in Tourism (Operations)
THT40202 - Certificate IV in Tourism (Operations)
UTE30104 - Certificate III in Electrotechnology Assembly and Servicing
UTE30199 - Certificate III in Electrotechnology Assembly and Servicing (Superseded by UTE30104)
UTE30402 - Certificate III in Electrotechnology Communications
UTE30499 - Certificate III in Electrotechnology Communications (Superseded by UTE30402)
UTE30599 - Certificate III in Electrotechnology Computer Systems
UTE30699 - Certificate III in Electrotechnology Data Communications
UTE30702 - Certificate III in Electrotechnology Entertainment and Servicing
UTE30899 - Certificate III in Electrotechnology Instrumentation
UTE30999 - Certificate III in Electrotechnology Refrigeration and Air Conditioning
UTE31199 - Certificate III in Electrotechnology Systems Electrician
UTT30101 - Certificate III in ESI - Distribution (Powerline)
UTT30198 - Certificate III in ESI - Distribution (Powerline)[Replaced by UTT30101]
UTT30301 - Certificate III in ESI - Cable Jointing (Powerline)
UTT30402 - Certificate III in ESI - Rail Traction (Powerline)

Appendix F

Table F1: Apprentices and trainees in-training at 30 June in selected training package qualifications¹ that may be relevant to the transport industry by training package qualification, 2002 to 2006^{2, 3}

	2002	2003	2004	2005	2006
AUM25101 - Certificate II in Automotive Manufacturing (Bus, Truck & Trailer)	50	60	30	40	30
AUM35101 - Certificate III in Automotive Manufacturing (Bus, Truck & Trailer)	100	170	210	250	260
AUM40100 - Certificate IV in Automotive Manufacturing (Frontline Management)	0	0	0	70	70
AUR10199 - Certificate I in Automotive	(a)	0	0	0	0
AUR20505 - Certificate II in Automotive Vehicle Servicing	0	0	(a)	(a)	270
AUR20699 - Certificate II in Automotive (Electrical - Accessory Fitting)	60	70	90	80	30
AUR20799 - Certificate II in Automotive (Mechanical - Air Conditioning)	(a)	(a)	(a)	20	10
AUR20899 - Certificate II in Automotive (Mechanical - Cylinder Head Reconditioning)	10	20	(a)	10	(a)
AUR20905 - Certificate II in Automotive Vehicle Body	0	0	0	(a)	190
AUR20999 - Certificate II in Automotive (Mechanical - Driveline)	10	(a)	(a)	(a)	(a)
AUR21099 - Certificate II in Automotive (Mechanical - Exhaust Fitting and Repair)	20	30	30	30	(a)
AUR21205 - Certificate II in Automotive Warehousing/Distribution Operations	0	0	0	0	(a)
AUR21299 - Certificate II in Automotive (Mechanical - Radiator Repairs)	30	30	20	20	(a)
AUR21399 - Certificate II in Automotive (Mechanical - Steering and Suspension)	40	20	10	20	(a)
AUR21499 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Heavy)	30	30	60	50	50
AUR21599 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Light)	140	170	170	160	90
AUR21699 - Certificate II in Automotive (Mechanical - Underbody)	130	120	80	70	20
AUR21799 - Certificate II in Automotive (Mechanical - Vehicle Servicing)	540	710	930	980	610
AUR30199 - Certificate III in Automotive (Electrical)	700	940	1,200	1,240	1,040
AUR30299 - Certificate III in Automotive (Mechanical - Automatic Transmission)	50	40	40	40	30
AUR30305 - Certificate III in Automotive Electrical Technology	0	(a)	20	100	330
AUR30399 - Certificate III in Automotive (Mechanical - Brakes)	20	20	30	20	20
AUR30405 - Certificate III in Automotive Mechanical Technology	20	20	110	590	4,020
AUR30499 - Certificate III in Automotive (Mechanical - Diesel Fitter)	50	70	90	100	80
AUR30599 - Certificate III in Automotive (Mechanical - Diesel Fuel Specialist)	20	30	30	30	10
AUR30605 - Certificate III in Automotive Specialist	0	0	(a)	50	150
AUR30699 - Certificate III in Automotive (Mechanical - Driveline)	(a)	(a)	(a)	(a)	(a)
AUR30799 - Certificate III in Automotive (Mechanical - Engine Reconditioning)	170	200	220	210	170
AUR30805 - Certificate III in Automotive Vehicle Body	(a)	(a)	30	100	890
AUR30999 - Certificate III in Automotive (Mechanical - Heavy Vehicle Mobile Equipment, Plant/Earth Moving/Agric)	940	1,440	1,890	2,250	1,940
AUR31105 - Certificate III in Automotive Warehousing/Distribution Operations	0	0	0	0	(a)
AUR31205 - Certificate III in Automotive Retail, Service and Repair	0	0	0	0	(a)
AUR31599 - Certificate III in Automotive (Vehicle Body - Building)	140	190	210	200	140
AUR31699 - Certificate III in Automotive (Vehicle Body - Panel Beating)	1,270	1,590	1,870	1,970	1,670
AUR31799 - Certificate III in Automotive (Vehicle Body - Trimming)	120	160	210	210	190
AUR31899 - Certificate III in Automotive (Vehicle Body - Vehicle Painting)	1,240	1,550	1,850	1,970	1,700

	2002	2003	2004	2005	2006
AUR35201 - Certificate III in Automotive Aftermarket Warehousing/Distribution Operations	20	60	110	90	30
AUR40199 - Certificate IV in Automotive	30	30	(a)	(a)	(a)
BCC30298 - Certificate III in Civil Construction (Road Construction & Maintenance)	1,320	1,680	1,490	800	350
BCC30303 - Certificate III in Civil Construction (Bridge Construction and Maintenance)	(a)	(a)	(a)	10	20
BCC30398 - Certificate III in Civil Construction (Tunnel Construction)	0	0	0	(a)	(a)
BCC30498 - Certificate III in Civil Construction (Bridge/Marine Construction)	40	70	100	60	(a)
BCC30698 - Certificate III in Civil Construction (Railway Construction & Maintenance)	(a)	10	10	10	(a)
BCC30703 - Certificate III in Civil Construction (Road Construction and Maintenance)	0	(a)	(a)	260	680
BCC30801 - Certificate III in Civil Construction (Road Marking)	0	0	(a)	(a)	(a)
BCC30803 - Certificate III in Civil Construction (Road Marking)	0	0	0	(a)	10
BCC31003 - Certificate III in Civil Construction (Tunnel Construction)	0	0	0	0	60
MEA20197 - Certificate II in Aeroskills (Aircraft Avionics) (Replaced by MEA20401)	0	0	0	0	0
MEA20297 - Certificate II in Aeroskills (Aircraft Mechanical) (Replaced by MEA20401)	(a)	0	0	0	0
MEA20397 - Certificate II in Aeroskills (Aircraft Structures) (Replaced by MEA20401)	(a)	0	0	0	0
MEA20401 - Certificate II in Aeroskills	30	40	50	50	40
MEA40197 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Avionics) (Replaced by MEA40602)	220	250	210	140	50
MEA40297 - Certificate IV in Aeroskills (Aircraft Mechanics - Avionics) (Replaced by MEA40602)	20	20	10	(a)	(a)
MEA40397 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Mechanical) (Replaced by MEA40702)	420	430	330	180	50
MEA40497 - Certificate IV in Aeroskills (Aircraft Mechanics - Mechanical) (Replaced by MEA40702)	50	30	20	10	(a)
MEA40597 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Structures Maintenance) (Replaced b	90	90	70	40	(a)
MEA40602 - Certificate IV in Aeroskills (Avionics)	(a)	50	180	260	290
MEA40702 - Certificate IV in Aeroskills (Mechanical)	20	190	400	540	600
MEA40802 - Certificate IV in Aeroskills (Structures)	(a)	20	130	130	140
MEM20303 - Certificate II in Boating Services	0	0	0	0	(a)
MEM30205 - Certificate III in Engineering - Mechanical Trade	0	0	0	0	30
MEM30298 - Certificate III in Engineering - Mechanical Trade	6,380	8,360	9,500	10,660	11,320
MEM30405 - Certificate III in Engineering - Electrical/Electronic Trade	0	0	(a)	(a)	(a)
MEM30498 - Certificate III in Engineering - Electrical/Electronic Trade	1,070	1,310	1,740	2,090	2,170
MEM30603 - Certificate III in Marine Craft Construction	30	90	280	470	510
MEM30703 - Certificate III in Boating Services	0	0	0	0	20
MEM30705 - Certificate III in Marine Craft Construction	0	0	0	0	(a)
THT20502 - Certificate II in Tourism (Operations)	(a)	140	130	120	60
THT30202 - Certificate III in Tourism (Retail Travel Sales)	(a)	30	80	50	40
THT30302 - Certificate III in Tourism (International Retail Travel Sales)	(a)	230	650	870	1,050
THT30398 - Certificate III in Tourism (International Retail Travel Sales)	440	310	60	(a)	(a)
THT31002 - Certificate III in Tourism (Operations)	(a)	40	110	200	300
THT40202 - Certificate IV in Tourism (Operations)	0	(a)	10	20	20
UTE30104 - Certificate III in Electrotechnology Assembly and Servicing	(a)	(a)	(a)	70	170
UTE30199 - Certificate III in Electrotechnology Assembly and Servicing (Superseded by UTE30104)	190	250	270	220	150
UTE30402 - Certificate III in Electrotechnology Communications	(a)	(a)	10	80	200
UTE30499 - Certificate III in Electrotechnology Communications (Superseded by UTE30402)	120	180	250	240	180
UTE30599 - Certificate III in Electrotechnology Computer Systems	90	110	120	110	110

	2002	2003	2004	2005	2006
UTE30699 - Certificate III in Electrotechnology Data Communications	100	120	100	90	90
UTE30702 - Certificate III in Electrotechnology Entertainment and Servicing	(a)	(a)	20	70	140
UTE30899 - Certificate III in Electrotechnology Instrumentation	100	120	140	180	200
UTE30999 - Certificate III in Electrotechnology Refrigeration and Air Conditioning	920	1,320	1,720	2,110	2,420
UTE31199 - Certificate III in Electrotechnology Systems Electrician	5,830	9,470	13,360	16,850	19,610
UTT30101 - Certificate III in ESI - Distribution (Powerline)	(a)	20	180	470	880
UTT30198 - Certificate III in ESI - Distribution (Powerline)[Replaced by UTT30101]	280	500	630	690	480
UTT30301 - Certificate III in ESI - Cable Jointing (Powerline)	0	(a)	10	40	50
UTT30402 - Certificate III in ESI - Rail Traction (Powerline)	0	(a)	(a)	40	70

Notes: 1. See Appendix E for the selected training package qualifications.
2. Due to confidentiality, (a) represents figures 1 to 9 inclusive.
3. Figures may not sum due to rounding.

Source: NCVET National Apprentice and Trainee Collection, based on September 2006 estimates

Appendix G

Table G1: Vocational students enrolled in courses classified to selected occupations (based on ASCO)¹ that may be relevant to the transport industry by occupational group, 2001–2005^{2, 3, 4}

	2001	2002	2003	2004	2005
3124-00 Electronic Engineering Associate Professionals - Not further defined	1,223	686	283	48	107
3124-11 Electronic Engineering Associate	1,856	1,032	1,189	1,151	1,075
3124-13 Electronic Engineering Technician	1,113	2,079	2,367	1,957	1,723
3125-00 Mechanical Engineering Associate Professionals - Not further defined	4,523	4,362	4,380	4,589	4,383
3125-11 Mechanical Engineering Associate	3,376	3,133	2,592	2,384	2,490
3125-13 Mechanical Engineering Technician	1,348	1,062	1,335	1,210	1,246
4100-00 Mechanical and Fabrication Engineering Tradespersons - Not further defined	7,374	6,497	5,685	6,025	8,428
4110-00 Mechanical Engineering Tradespersons - Not further defined	4,019	6,075	7,630	8,038	9,219
4111-00 General Mechanical Engineering Tradespersons - Not further defined	1,869	1,186	154	120	107
4111-01 Supervisor, General Mechanical Engineering Tradespersons	296	102	(c)	(c)	48
4111-11 General Mechanical Engineering Tradesperson	257	140	122	129	128
4111-81 Apprentice General Mechanical Engineering Tradesperson	425	264	211	159	130
4112-00 Metal Fitters and Machinists - Not further defined	1,590	355	63	47	17
4112-01 Supervisor, Metal Fitters and Machinists	0	0	0	0	0
4112-11 Fitter	1,928	1,411	997	639	311
4112-13 Metal Machinist (First Class)	0	0	0	0	0
4112-81 Apprentice Fitter	0	0	0	0	0
4112-83 Apprentice Metal Machinist	(c)	0	0	10	12
4114-00 Aircraft Maintenance Engineers - Not further defined	1,376	1,685	1,476	1,173	1,202
4114-01 Supervisor, Aircraft Maintenance Engineers	27	32	18	90	62
4114-11 Aircraft Maintenance Engineer (Mechanical)	585	572	780	880	783
4114-13 Aircraft Maintenance Engineer (Structures)	98	128	150	218	270
4114-15 Aircraft Maintenance Engineer (Avionics)	209	240	280	339	355
4114-81 Apprentice Aircraft Maintenance Engineer (Mechanical)	225	100	115	100	41
4121-00 General Fabrication Engineering Tradespersons - Not further defined	0	0	0	0	0
4121-01 Supervisor, General Fabrication Engineering Tradespersons	5	(c)	0	0	0
4121-11 General Fabrication Engineering Tradesperson	5,286	6,197	6,931	8,480	10,405
4121-81 Apprentice General Fabrication Engineering Tradesperson	184	109	308	387	719
4122-15 Welder (First Class)	1,412	1,124	494	186	137
4200-00 Automotive Tradespersons - Not further defined	15	31	57	45	571
4210-00 Automotive Tradespersons - Not further defined	403	348	564	450	191
4211-00 Motor Mechanics - Not further defined	2,101	1,127	608	272	273
4211-01 Supervisor, Motor Mechanics	530	371	323	188	142
4211-11 Motor Mechanic	11,148	12,844	14,648	16,780	19,745
4211-81 Apprentice Motor Mechanic	3,558	1,372	751	512	556
4212-00 Automotive Electricians - Not further defined	158	61	17	0	7
4212-01 Supervisor, Automotive Electricians	147	133	0	0	0
4212-11 Automotive Electrician	912	997	1,142	1,238	1,430
4212-81 Apprentice Automotive Electrician	133	56	12	0	0

	2001	2002	2003	2004	2005
4213-00 Panel Beaters - Not further defined	180	112	68	27	22
4213-11 Panel Beater	1,806	1,777	1,736	1,786	1,969
4213-81 Apprentice Panel Beater	81	30	51	47	75
4214-00 Vehicle Painters - Not further defined	208	134	43	8	0
4214-11 Vehicle Painter	1,796	1,955	1,842	1,822	2,003
4214-81 Apprentice Vehicle Painter	229	67	39	42	22
4215-00 Vehicle Body Makers - Not further defined	59	32	9	0	0
4215-01 Supervisor, Vehicle Body Makers	19	139	290	343	356
4215-11 Vehicle Body Maker	314	345	214	291	351
4215-81 Apprentice Vehicle Body Maker	0	0	25	49	37
4216-00 Vehicle Trimmers - Not further defined	15	10	24	19	0
4216-01 Supervisor, Vehicle Trimmers	31	50	12	0	0
4216-11 Vehicle Trimmer	154	182	162	198	178
4216-81 Apprentice Vehicle Trimmer	10	15	18	0	8
4300-00 Electrical and Electronics Tradespersons - Not further defined	4,122	6,952	10,338	14,093	17,996
4310-00 Electrical and Electronics Tradespersons - Not further defined	355	471	1,138	3,130	3,325
4311-00 Electricians - Not further defined	4,619	3,937	3,133	4,394	3,893
4311-11 General Electrician	5,335	7,035	8,463	5,928	4,901
4311-81 Apprentice Electrician	1,358	885	860	699	849
4313-11 Electrical Powerline Tradesperson	212	400	520	639	1,321
4313-81 Apprentice Electrical Powerline Tradesperson	100	55	8	0	0
4314-00 Electronic Instrument Tradespersons - Not further defined	284	222	112	152	149
4314-01 Supervisor, Electronic Instrument Tradespersons	13	0	0	0	0
4314-11 General Electronic Instrument Tradesperson	154	25	86	148	30
4314-13 Electronic Instrument Tradesperson (Special Class)	27	5	0	(c)	0
4314-81 Apprentice Electronic Instrument Tradesperson	(c)	0	0	0	0
4981-00 Marine Construction Tradespersons - Not further defined	32	39	45	337	606
4981-11 Shipwright	95	85	77	13	(c)
4981-13 Boat Builder and Repairer	393	498	546	557	509
4981-83 Apprentice Boat Builder and Repairer	0	0	0	0	0
5996-00 Travel Attendants - Not further defined	(c)	(c)	0	0	0
5996-11 Flight Service Director	0	0	0	0	0
5996-13 Flight Attendant	0	0	0	0	0
5996-79 Travel Attendants - Not elsewhere classified	1,788	4,338	2,286	2,539	3,761
6150-00 Material Recording and Despatching Clerks - Not further defined	0	(c)	134	664	663
6152-00 Transport and Despatching Clerks - Not further defined	22	75	5	0	0
6152-01 Supervisor, Transport and Despatching Clerks	0	0	0	0	(c)
6152-11 Receiving and Despatching Clerk	46	0	0	0	0
6152-13 Import-Export Clerk	215	230	289	288	337
6153-00 Stock and Purchasing Clerks - Not further defined	30	11	0	0	147
6153-01 Supervisor, Stock and Purchasing Clerks	5	9	59	52	213
6153-11 Stock Clerk	0	5	11	(c)	25
6153-13 Purchasing Officer	319	262	221	156	34
6153-17 Sales Clerk	7	0	0	12	(c)
6191-00 Inquiry and Admissions Clerks - Not further defined	0	0	0	0	0
6191-11 Inquiry Clerk	7,600	7,304	7,395	5,159	1,946
6191-13 Admissions Clerk	0	0	0	10	0

	2001	2002	2003	2004	2005
6200-00 Intermediate Sales and Related Workers - Not further defined	0	0	0	0	0
6211-17 Sales Representative (Motor Vehicle Parts and Accessories)	26	(c)	0	0	0
6397-00 Travel and Tourism Agents - Not further defined	1,525	1,423	158	20	24
6397-11 Travel Agent	4,484	4,536	3,149	3,201	3,476
6397-13 Tourist Information Officer	804	979	2,835	3,454	3,448
7111-11 General Construction Plant Operator	1,531	2,015	2,392	2,668	2,028
7111-25 Road Roller Operator	653	809	957	1,179	1,035
7119-79 Mobile Plant Operators - Not elsewhere classified	0	8	(c)	18	786
8292-00 Ticket Salespersons - Not further defined	0	0	0	(c)	(c)
8292-11 Ticket Seller	0	0	0	0	(c)

- Notes:
1. See Appendix C for the selected occupations.
 2. Large increases or decreases within occupational groups may be attributable to classification changes. For example, the implementation of new training packages may result in a sudden increase in a particular occupational group, which may be related to a decrease in another group.
 3. (c) represents figures between one and four.
 4. Not further defined indicates that courses were not coded to the more detailed ASCO level.

Source: NCVET VET Provider Collection

Appendix H

Table H: Vocational students enrolled in selected training package qualifications¹ that may be relevant to the transport industry by training package qualification, 2001–2005²

	2001	2002	2003	2004	2005
AUM25101 - Certificate II in Automotive Manufacturing (Bus, Truck & Trailer)	0	55	102	104	75
AUM35101 - Certificate III in Automotive Manufacturing (Bus, Truck & Trailer)	0	103	187	190	236
AUM40100 - Certificate IV in Automotive Manufacturing (Frontline Management)	0	0	78	136	116
AUM40200 - Certificate IV in Automotive Manufacturing (Manufacturing Maintenance)	0	0	0	0	0
AUM45101 - Certificate IV in Automotive Manufacturing (Bus, Truck & Trailer)	0	0	0	0	0
AUM50100 - Diploma of Automotive Manufacturing (Frontline Management)	0	0	0	0	0
AUM50200 - Diploma of Automotive Manufacturing (Manufacturing Maintenance)	0	0	0	0	0
AUR10105 - Certificate I in Automotive	0	0	0	0	0
AUR10199 - Certificate I in Automotive	1,371	3,159	3,533	3,619	4,088
AUR20505 - Certificate II in Automotive Vehicle Servicing	0	0	0	0	0
AUR20699 - Certificate II in Automotive (Electrical - Accessory Fitting)	43	136	167	208	175
AUR20799 - Certificate II in Automotive (Mechanical - Air Conditioning)	17	99	134	256	2,258
AUR20899 - Certificate II in Automotive (Mechanical - Cylinder Head Reconditioning)	5	13	17	29	21
AUR20905 - Certificate II in Automotive Vehicle Body	0	0	0	0	0
AUR20999 - Certificate II in Automotive (Mechanical - Driveline)	(c)	8	6	(c)	7
AUR21099 - Certificate II in Automotive (Mechanical - Exhaust Fitting and Repair)	29	37	47	38	32
AUR21199 - Certificate II in Automotive (Mechanical - Natural Gas Vehicle [NGV] Services)	0	0	0	0	0
AUR21205 - Certificate II in Automotive Warehousing/Distribution Operations	0	0	0	0	0
AUR21299 - Certificate II in Automotive (Mechanical - Radiator Repairs)	29	36	40	30	18
AUR21399 - Certificate II in Automotive (Mechanical - Steering and Suspension)	15	40	26	22	21
AUR21499 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Heavy)	69	45	43	59	52
AUR21599 - Certificate II in Automotive (Mechanical - Tyre Fitting and Repair Light)	137	206	209	244	227
AUR21699 - Certificate II in Automotive (Mechanical - Underbody)	118	173	180	140	102
AUR21799 - Certificate II in Automotive (Mechanical - Vehicle Servicing)	707	935	1,098	1,322	1,480
AUR30199 - Certificate III in Automotive (Electrical)	356	712	1,002	1,156	1,361
AUR30299 - Certificate III in Automotive (Mechanical - Automatic Transmission)	31	39	37	35	44
AUR30305 - Certificate III in Automotive Electrical Technology	0	0	0	0	0
AUR30399 - Certificate III in Automotive (Mechanical - Brakes)	13	18	24	24	16
AUR30405 - Certificate III in Automotive Mechanical Technology	0	0	0	0	0
AUR30499 - Certificate III in Automotive (Mechanical - Diesel Fitter)	40	48	78	93	129
AUR30599 - Certificate III in Automotive (Mechanical - Diesel Fuel Specialist)	8	13	22	25	29
AUR30605 - Certificate III in Automotive Specialist	0	0	0	0	0
AUR30699 - Certificate III in Automotive (Mechanical - Driveline)	(c)	(c)	(c)	5	6
AUR30799 - Certificate III in Automotive (Mechanical - Engine Reconditioning)	83	140	191	211	206
AUR30805 - Certificate III in Automotive Vehicle Body	0	0	0	0	0
AUR30999 - Certificate III in Automotive (Mechanical - Heavy Vehicle Mobile Equipment, Plant/Earth Moving/Agriculture)	343	782	1,363	1,783	2,201
AUR31105 - Certificate III in Automotive Warehousing/Distribution	0	0	0	0	0

	2001	2002	2003	2004	2005
Operations					
AUR31205 - Certificate III in Automotive Retail, Service and Repair	0	0	0	0	0
AUR31599 - Certificate III in Automotive (Vehicle Body - Building)	55	90	130	136	174
AUR31699 - Certificate III in Automotive (Vehicle Body - Panel Beating)	1,090	1,436	1,605	1,706	1,924
AUR31799 - Certificate III in Automotive (Vehicle Body - Trimming)	62	118	147	173	178
AUR31899 - Certificate III in Automotive (Vehicle Body - Vehicle Painting)	1,028	1,449	1,581	1,722	1,943
AUR35201 - Certificate III in Automotive Aftermarket Warehousing/Distribution Operations	0	9	15	7	9
AUR40105 - Certificate IV in Automotive Management	0	0	0	0	(c)
AUR40199 - Certificate IV in Automotive	381	324	483	167	102
AUR40202 - Certificate IV in Automotive (Motorsport)	0	0	0	0	0
AUR40205 - Certificate IV in Automotive Technology	0	0	0	0	46
AUR40302 - Certificate IV in Automotive (Performance Enhancement)	0	0	0	0	0
AUR40405 - Certificate IV in Automotive Performance Enhancement	0	0	0	0	0
AUR45101 - Certificate IV in Automotive Aftermarket Retail Management	0	0	0	0	0
AUR45201 - Certificate IV in Automotive Aftermarket Warehousing/Distribution Management	0	0	0	0	0
AUR50105 - Diploma of Automotive Management	0	0	0	0	0
AUR50199 - Diploma of Automotive	22	17	44	42	61
AUR50201 - Diploma of Automotive Aftermarket Management	0	0	0	0	0
AUR50205 - Diploma of Automotive Technology	0	0	0	0	0
AUR50302 - Diploma of Automotive (Technology)	0	0	0	0	0
BCC30298 - Certificate III in Civil Construction (Road Construction & Maintenance)	653	809	957	1,179	637
BCC30303 - Certificate III in Civil Construction (Bridge Construction and Maintenance)	0	0	0	0	5
BCC30398 - Certificate III in Civil Construction (Tunnel Construction)	37	9	27	(c)	(c)
BCC30498 - Certificate III in Civil Construction (Bridge/Marine Construction)	(c)	9	19	60	39
BCC30698 - Certificate III in Civil Construction (Railway Construction & Maintenance)	13	0	0	(c)	(c)
BCC30703 - Certificate III in Civil Construction (Road Construction and Maintenance)	0	0	0	0	398
BCC30801 - Certificate III in Civil Construction (Road Marking)	0	0	0	0	0
BCC30803 - Certificate III in Civil Construction (Road Marking)	0	0	0	0	8
BCC30903 - Certificate III in Civil Construction (Trenchless Technology)	0	0	0	0	0
BCC31003 - Certificate III in Civil Construction (Tunnel Construction)	0	0	0	0	0
BCC31103 - Certificate III in Timber Bridge Construction and Maintenance	0	0	0	0	0
BCC31105 - Certificate III in Civil Construction (Timber Bridge Construction and Maintenance)	0	0	0	0	0
MEA20197 - Certificate II in Aeroskills (Aircraft Avionics) (Replaced by MEA20401)	0	0	0	0	0
MEA20297 - Certificate II in Aeroskills (Aircraft Mechanical) (Replaced by MEA20401)	37	0	0	0	0
MEA20397 - Certificate II in Aeroskills (Aircraft Structures) (Replaced by MEA20401)	(c)	0	0	0	0
MEA20401 - Certificate II in Aeroskills	9	147	180	169	133
MEA40197 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Avionics) (Replaced by MEA40602)	102	180	130	26	(c)
MEA40297 - Certificate IV in Aeroskills (Aircraft Mechanics - Avionics) (Replaced by MEA40602)	(c)	5	6	(c)	(c)
MEA40397 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Mechanical) (Replaced by MEA40702)	244	473	368	126	35
MEA40497 - Certificate IV in Aeroskills (Aircraft Mechanics - Mechanical) (Replaced by MEA40702)	9	9	14	5	0
MEA40597 - Certificate IV in Aeroskills (Aircraft Maintenance Engineering - Structures Maintenance) (Replaced by MEA40802)	49	124	88	35	17
MEA40602 - Certificate IV in Aeroskills (Avionics)	0	0	111	298	335
MEA40702 - Certificate IV in Aeroskills (Mechanical)	0	0	306	627	712

	2001	2002	2003	2004	2005
MEA40802 - Certificate IV in Aeroskills (Structures)	0	0	62	183	243
MEA50104 - Diploma of Aeroskills (Avionics)	0	0	0	0	0
MEA50204 - Diploma of Aeroskills (Mechanical)	0	0	0	0	0
MEM10203 - Certificate I in Boating Services	0	0	0	0	11
MEM10205 - Certificate I in Boating Services	0	0	0	0	0
MEM20303 - Certificate II in Boating Services	0	0	0	0	0
MEM20305 - Certificate II in Boating Services	0	0	0	0	0
MEM30205 - Certificate III in Engineering - Mechanical Trade	0	0	0	0	0
MEM30298 - Certificate III in Engineering - Mechanical Trade	3,963	6,071	7,630	8,037	9,219
MEM30405 - Certificate III in Engineering - Electrical/Electronic Trade	0	0	0	0	0
MEM30498 - Certificate III in Engineering - Electrical/Electronic Trade	281	356	451	540	2,123
MEM30603 - Certificate III in Marine Craft Construction	0	0	0	287	546
MEM30703 - Certificate III in Boating Services	0	0	0	0	0
MEM30705 - Certificate III in Marine Craft Construction	0	0	0	0	0
MEM30905 - Certificate III in Boating Services	0	0	0	0	0
MEM40203 - Certificate IV in Boating Services	0	0	0	0	0
MEM40205 - Certificate IV in Boating Services	0	0	0	0	0
THT20502 - Certificate II in Tourism (Operations)	0	89	1,426	2,397	2,099
THT30202 - Certificate III in Tourism (Retail Travel Sales)	0	24	280	397	401
THT30302 - Certificate III in Tourism (International Retail Travel Sales)	0	276	1,973	2,461	2,824
THT30398 - Certificate III in Tourism (International Retail Travel Sales)	3,130	2,590	469	69	(c)
THT31002 - Certificate III in Tourism (Operations)	0	29	635	572	801
THT40202 - Certificate IV in Tourism (Operations)	0	80	1,496	754	672
UTE30104 - Certificate III in Electrotechnology Assembly and Servicing	0	0	0	(c)	59
UTE30199 - Certificate III in Electrotechnology Assembly and Servicing (Superseded by UTE30104)	30	95	183	202	199
UTE30402 - Certificate III in Electrotechnology Communications	0	0	0	7	73
UTE30499 - Certificate III in Electrotechnology Communications (Superseded by UTE30402)	80	142	157	175	127
UTE30599 - Certificate III in Electrotechnology Computer Systems	177	196	129	115	225
UTE30699 - Certificate III in Electrotechnology Data Communications	70	91	78	78	76
UTE30702 - Certificate III in Electrotechnology Entertainment and Servicing	0	0	0	19	65
UTE30899 - Certificate III in Electrotechnology Instrumentation	67	56	61	130	132
UTE30999 - Certificate III in Electrotechnology Refrigeration and Air Conditioning	979	1,390	1,654	1,959	2,373
UTE31199 - Certificate III in Electrotechnology Systems Electrician	3,906	6,622	9,837	13,196	16,976
UTT30101 - Certificate III in ESI - Distribution (Powerline)	0	52	83	89	576
UTT30198 - Certificate III in ESI - Distribution (Powerline)[Replaced by UTT30101]	210	310	317	419	458
UTT30301 - Certificate III in ESI - Cable Jointing (Powerline)	0	0	0	0	0
UTT30402 - Certificate III in ESI - Rail Traction (Powerline)	0	0	0	0	0

Notes: 1. See Appendix E for the selected training package qualifications.
2. (c) represents figures between one and four.

Source: NCVET VET Provider Collection

Appendix I

This appendix provides a list of occupations (based on ASCO) used to derive graduates employed in the transport and storage industry from the Student Outcomes Survey. The occupations were used to derive data originally submitted to address the inquiry in December 2006 as well as tables 10 and 12 in the present report. Occupations from the Student Outcomes Survey are only coded to the four-digit level due to size limitations.

Reference: Australian Bureau of Statistics, 1997, ASCO – Australian Standard Classification of Occupations, Cat. no. 1220.0, ABS, Canberra.

Table I1: List of ASCO codes used to capture graduates employed in the transport industry

Occupations (ASCO 4 digit)
2541 Air Transport Professionals
2542 Sea Transport Professionals
3393 Transport Company Managers
3399 Other Managing Supervisors (Sales & Service)
4999 Other Miscellaneous Tradespersons & Related Workers
6194 Intermediate Inspectors & Examiners
7000 Intermediate Production and Transport Workers
7112 Forklift Drivers
7119 Other Mobile Plant Operators
7129 Other Intermediate Stationary Plant Operators
7300 Road and Rail Transport Drivers – not further defined
7310 Road and Rail Transport Drivers
7311 Truck Drivers
7312 Bus & Tram Drivers
7313 Automobile Drivers
7314 Delivery Drivers
7315 Train Drivers & Assistants
7993 Storepersons
7994 Seafarers & Fishing Hands
8292 Ticket Salespersons
8319 Other Elementary Service Workers
9915 Railway Labourers
9992 Freight & Furniture Handlers

Note: Not further defined indicates that courses are not coded to the more detailed ASCO level.

Appendix J

This appendix provides a list of occupations defining graduates employed after training in occupations that may be relevant to the transport industry. These occupations were not included in the original data submitted to the committee in December 2006. The occupations were used to derive tables 13 and 14 in the present report. Occupations from the Student Outcomes Survey are only coded to the four-digit level due to size limitations.

Reference: Australian Bureau of Statistics, 1997, ASCO – Australian Standard Classification of Occupations, Cat. no. 1220.0, ABS, Canberra.

Table J1: List of ASCO codes used to capture graduates that may be employed in occupations relevant to the transport industry

ASCO codes and description
3124 Electronic Engineering Associate Professionals
3125 Mechanical Engineering Associate Professionals
4100 Mechanical and Fabrication Engineering Tradespersons - not further defined
4110 Mechanical Engineering Tradespersons - not further defined
4111 General Mechanical Engineering Tradespersons
4112 Metal Fitters and Machinists
4114 Aircraft Maintenance Engineers
4121 General Fabrication Engineering Tradespersons
4200 Automotive Tradespersons - not further defined
4210 Automotive Tradespersons - not further defined
4211 Motor Mechanics
4212 Automotive Electricians
4213 Panel Beaters
4214 Vehicle Painters
4215 Vehicle Body Makers
4216 Vehicle Trimmers
4300 Electrical and Electronics Tradespersons - not further defined
4310 Electrical and Electronics Tradespersons - not further defined
4311 Electricians
4314 Electronic Instrument Tradespersons
4981 Marine Construction Tradespersons
5996 Travel Attendants
6150 Material Recording and Despatching Clerks - not further defined
6152 Transport and Despatching Clerks
6153 Stock and Purchasing Clerks
6191 Inquiry and Admissions Clerks
6397 Travel and Tourism Agents

Note: Not further defined indicates that courses are not coded to the more detailed ASCO level.