

Tranzinfo HotTopic

Number 8 2006

Skills shortage in engineering and transport

A selection of recent publications and resources on recruitment and human resources issues, particularly the current skills shortage in the transport sector.

Contact your organisation's library to obtain copies of those items not available online. Current as at 2006. Please contact your nearest transport library if you are looking for more recently published items on this topic.

1. Local authority survey

UK Commission for Integrated Transport. London: United Kingdom, 2003
Chapter 6 of this report covering issues facing local governments in the United Kingdom discusses the degree, extent and possible solutions to the widespread skill shortage in the British transport industry.
Item online (accessed 19 November 2006) [Click here](#)

2. FTA skills campaign update

Freight Transport Association. Kent: United Kingdom, 2004
This document outlines measures in three areas: career choices, recruitment and retention, and training and development, to combat the serious and growing skills shortage in the transport industry in the UK.
Item online (accessed 19 November 2006) [Click here](#)

3. Strategic human resources of the supply chain sector: final report, Fall 2005

286 pages
Canadian Logistics Skills Committee. Stouffville: Canada, 2005
Reviews the major human resources challenges in the transport sector. Reveals a limited pool of skilled employees and the need to develop skill sets to cope with emerging technologies and a global marketplace. Sees need to overcome a general lack of awareness and understanding of the supply chain sector and its occupations.
Item online (accessed 19 November 2006) [Click here](#)

4. Strategic skills initiative summary report: occupational and skills shortages, January 2006

27 pages
Indiana Workforce Development. Indianapolis: United States, 2006
A regional perspective on skill trends, this document identifies key emerging and developing occupations, with associated wage levels, for Indiana in the United States.
Item online (accessed 19 November 2006) [Click here](#)

5. Nature and causes of skill shortages: reflections from the Commonwealth National Industry Skills Initiative Working Groups, November 2002

16 pages
Department of Education, Science and Training. Canberra: Australia, 2002
Identifies six areas where skill shortages exist: engineering, electrotechnology, retail motor (automotive trades), commercial cookery, building and construction, and rural sector. Notes the common thread through these industries is the existence of skill shortages and a commitment by industry to understand and address current and emerging skill needs.
Item online (accessed 19 November 2006) [Click here](#)

- 6. All aboard**
23 pages
Department of Transport and Regional Services. Canberra: Australia
Overview of the skills situation facing Australia, advocating an urgent need to recruit young peoples to areas of shortage, including the transport and logistics sectors.
Item online (accessed 19 November 2006) [Click here](#)
- 7. National Guidance Research Forum: sector information - transport**
National Guidance Research Forum. United Kingdom
Points to a number of links which give a picture of the aging workforce in the various occupations which make up the transport sector, and the need to attract new employees to the field in the United Kingdom.
Item online (accessed 19 November 2006) [Click here](#)
- 8. Meeting skill needs. A work and income response: quarter ended March 2006**
Ministry of Social Development. Wellington: New Zealand, 2006
Identifies sectors in the Wellington, N.Z. area where skill shortages exist, and outlines some initiatives which are being used to overcome them.
Item online (accessed 19 November 2006) [Click here](#)
- 9. Passenger transport: Scottish sector profile 2005**
Futureskills Scotland. Glasgow: United Kingdom, 2005
Report of the results of the Employers Skill Survey 2004 in Scotland for the passenger transport sector. Demonstrates how that sector's labour market profile compares against others.
Item online (accessed 19 November 2006) [Click here](#)
- 10. Immigration and the supply pf complex problem solvers in the Australian economy**
McDonald P and Temple J
Department of Immigration and Multicultural Affairs. Canberra: Australia, 2006
Short report which addresses issues of the aging workforce, the need for highly skilled problem solvers in the workforce, and immigration as a solution to skill deficits. Raises issues related to age and experience of employees and workforce planning.
Item online (accessed 19 November 2006) [Click here](#)
- 11. Priority issue for ARF – engineering skills shortages**
Wood G
Roads 2005
October/November, page 34
Summary of a discussion paper delivered at the Australian Road Forum meeting in Sydney in September 2005. Offers an overview of the shortage situation and gives examples of corporate initiatives designed to address the issue.
- 12. Wider net benefits industry**
Fowler D
Transportation Professional 2004
September, pages 19-20
Article profiling transport consulting recruitment in the United Kingdom, in particular the growing practice of targeting graduates from a wide range of disciplines including mathematics, economics, behavioural science and statistics.
- 13. Waking up to an untapped resource: with an increasing skills shortage in the highways industry, employers may be missing an opportunity in recruitment**
Stephens V
Surveyor 2005
August, pages 16
Discussion of career opportunities for females in the transport sector in the United Kingdom and initiatives to encourage more women to enter engineering-related fields.

This alert was produced by the Land Transport NZ Library

a member of the Tranzinfo network which includes the following libraries:

Australia

ARRB Group, MG Lay Library
Australian Maritime College Library
Aviation Information Centre
Centre for Automotive Safety Research Library
Commonwealth Department of Transport and Regional Services Library
Hargrave-Andrew Library, Monash University
Infralib, Victorian Department of Infrastructure
Main Roads Western Australia Library
NRMA Technical Library
NT Department of Natural Resources, Environment & the Arts Library
Port of Brisbane Corporation Library
Queensland Department of Main Roads Library
RACV Business Research Library
Roads and Traffic Authority Library
SA Department for Transport, Energy & Infrastructure Library
Sinclair Knight Mertz Library
SMEC Library
Tasmanian Department of Infrastructure, Energy & Resources Library
University of New South Wales Physical Sciences Library
VicRoads Business Information Centre
WA Department for Planning and Infrastructure Libraries and Planning Information Centre

New Zealand

Land Transport NZ Library
Opus International Consultants Library
University of Canterbury Engineering Library

Tranzinfo

The Australian and New Zealand network of transport libraries