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Appendix A – Submissions

Submission No.	Individual/Organisation	
1	Associate Professor Laurence Hartley	
2	Mr Anthony Griggs	
3	Minister for Police and Public Safety, Tasmania	
4	Mr John Liszikam	
5	Captain David Richardson	
6	Mr Paul Griffiths	
7	Mr Paul MacGillivary	
8	The Company of Master Mariners of Australia Limited	
9	Mr JF Edgcome-Lucas	
9.01	Mr JF Edgcome-Lucas	
10	Sleep Disorders Australia (Tasmania Branch)	
11	Sleep Disorders Australia (National Office)	
12	The Guild of Air Pilots and Air Navigators	
13	Ansett Australia	
14	Sydney Sea Pilots Pty Ltd	
15	Australian Federation of Air Pilots	
16	Australian Society of Air Safety Investigators	
17	Ansett Pilots Association	
17.01	Ansett Pilots Association	

18	Australian Maritime Safety Authority
19	Centre for Sleep Research
19.01	Centre for Sleep Research
20	Queensland Coastal Pilot Service Pty Ltd
21	Captain Rob Lovell
22	Sanmar Consulting Group
23	Fremantle Pilots
24	NSW Train Drivers Association
25	International Transport Workers Federation
26	National Rail Corporation Limited
26.01	National Rail Corporation Limited
27	Australian Licensed Aircraft Engineers Association
28	Dr Ann Williamson and Assoc.Prof. Anne-Marie Feyer
28.01	Dr Ann Williamson
29	Australian Shipping Federation
30	Associate Professor Philip Laird
30.01	Associate Professor Philip Laird
31	International Shipping Federation
32	Mr Andrew Mulford
33	Captain Graham Quick
34	Brisbane Marine Pilots Pty Ltd
35	Flight Attendant's Association of Australia
36	Mr Bill Malcolm
37	Australian Marine Pilots Association
38	Minister for Defence
39	The Maritime Union of Australia
40	Professor Ron Grunstein
41	Mr John Bain
42	Maritime Affairs, Vanuatu

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43	Civil Air Operations Officer's Association of Australia	
44	Australiawide Loading Pty Ltd	
44.01	Australiawide Loading Pty Ltd	
45	Australian Nursing Federation	
46	Worksafe WA	
47	Healthy Eating on the Road	
48	The Transport Accident Commission (TAC)	
49	EC Collins Interstate Haulage Pty Ltd	
50	Australian Medical Association Ltd	
50.01	Australian Medical Association Ltd	
51	Royal Automobile Club of Victoria (RACV) Ltd	
52	The Nautical Institute SE/AUS Branch	
53	Speedrail Group	
54	Research School of Information Sciences and Engineering, The Australian National University	
55	CFMEU Nelson Point	
56	Australasian Railway Association Inc	
57	Ms Beatrice Pullar	
58	Name withheld	
59	Australian and International Pilots Association	
59.01	Australian and International Pilots Association	
60	Finemore Holdings Limited	
61	Health Department of Western Australia	
62	Australian Automobile Association	
63	Australian Rail, Tram and Bus Industry Union (National Office)	
64	Transport Workers' Union of Australia	
65	Rail, Tram and Bus Union (NSW Branch)	
66	Mr RLK Wheeler	

67	Australian United Fresh Transport Advisory Committee Ltd	
68	Nolans Interstate Transport Pty Ltd	
69	Rail 2000 Inc	
70	Australian Federated Union of Locomotive Employees	
70.01	Australian Federated Union of Locomotive Employees	
71	Minister for Police, Correctional Services and Emergency Services, South Australia	
72	Qantas Airways Limited	
73	National Road Transport Commission	
73.01	National Road Transport Commission	
74	Australian Council of Trade Unions	
75	Minister for Transport, Western Australia	
76	Australian Trucking Association	
77	Australian Centre for Industrial Relations Research and Training	
78	Main Roads Western Australia	
79	FreightCorp	
80	ResMed Ltd	
81	Aviation Safety Advisory Services	
82	Captain Roger Rusling	
83	Department of Transport and Regional Services	
84	Intelligent Transport Systems Australia	
85	Regional Airlines Association of Australia Ltd	
86	Transport SA	
87	Northern Territory Government	
88	Queensland Government	
89	Department of Minerals and Energy, Western Australia	
90	Minister for Police, Emergency Services, Western Australia	
91	Australian Motorcycle Council	

92	Queensland Rail
93	National Occupational Health & Safety Commission
94	Australian Institute of Marine and Power Engineers
95	Natroad Limited
96	Woodside Petroleum Ltd
97	Combined Emergency Services of Kempsey
98	Kempsey Rural Fire Service
99	Airservices Australia
100	South Australia Police
101	Australasian Sleep Association Inc
102	CSIRO Australia
103	STAYSAFE Committee, NSW Parliament
104	Concerned Families of Australia Truckies Association
105	Roads and Traffic Authority of NSW
105.01	Roads and Traffic Authority of NSW
106	Mr Rodney Millar
107	University of Technology, Sydney
108	National Transport Insurance
109	ВНР
110	Doug Hands Pty Ltd
111	Australian Drug Management and Education
112	MMI Insurance



Appendix B – Exhibits

Exhibit	Person/Organisation	Title
1	Mr Brian Wells	Confidential
2	Associate Professor Laurence Hartley	Research Paper
3	Australian Maritime Safety Authority	The Work Practices of Marine Pilots: A Review
4	Australian Maritime Safety Authority	On Tour Analyses of the Work and Rest Patterns of Great Barrier Reef Pilots: Implications for Fatigue
5	National Road Transport Commission	Findings of Inquest, South Australian Coroner, March 1999
6	Transport Workers Union	Reducing Risks, Enhancing Lifestyles: Combating Fatigue in the Transport Industry
7	Department of Transport and Regional Services	Bureau of Air Safety Investigation Reports
8	Civil Air Operations Officers Association of Australia	Quantitative Similarity between Cognitive Psychomotor Performance Decrement Associated with Sustained Wakefulness and Alcohol Intoxication
9	Professor Ron Grunstein	Various articles and reports
10	Austroads Incorporated	Seminar Paper

11	Australian and International Pilots Association	Various Reports
12	International Transport Workers Federation	Various Reports and handbooks
13	Professor Dennis Else	Various Reports
14	Department of Minerals and Energy, Western Australia	Shiftwork and Occupational Health and Safety in the Western Australian Mining Industry, 1998
15	Northern Territory Government	Road Transport Code of Practice
16	Queensland Government	Various Reports
17	Minister for Transport, Western Australia	Fatigue Management for Commercial Vehicle Drivers
18	Australian Marine Pilots Association	The Human Factor in Pilotage
19	Mr Bernie Willingale	Various articles and reports
20	Ms Beatrice Pullar	Keys to "Drive Alert for Life"
21	Main Roads Western Australia	Driver Fatigue Taskforce Strategic Plan
		Crash Rate maps
22	Mr Darren Nolan	Driver Handbook
		Drivers Guide to Managing Fatigue
23	Australian Medical Association Ltd	National Code of Practice
24	Department of Transport and Regional Services	A Guide for Investigating Fatigue
25	Queensland Rail	Living with Shiftwork – Traincrew Awareness
		Living with Shiftwork (video)

- 26 Professor Drew Dawson
- The Night Shift (video)

Australian Railways Shiftwork and Workload Study: Final Report

Draft Shiftwork Policy Document

Evaluation of a Field Based Approach to Assessing the Risk Associated with Shiftwork

		Crew Duty and Rest Planner: Final Report
		Shiftwork Training and Education Module
27	Australian Trucking Association	Rest and Survive: national Highway Rest Area Policy
28	Dr Ann Williamson	Various reports
29	Department of Transport and Regional Services	National Route 39 Interstate Driver Fatigue Strategy and Action Plan 1998- 2001
30	Mr Sesto Vespa	Driver Fatigue and Alertness Study
		Driver fatigue and Alertness Study: Technical Summary
31	Mr Sesto Vespa	Fatigue in Transportation Workshop: Multimodal Issues and Solutions
		A Thirty Six Hour Recovery Period for Truck Drivers: Synopsis of current scientific knowledge
		<i>Options for Changes to Hours of</i> <i>Service for Commercial Vehicle Drivers</i>
32	Mr Sesto Vespa	Straight talk on fatigue and Alertness
		Awake Break (audio tape)
33	Professor David Dinges	Commercial Rest Area Requirements: No Room at the Inn
		International Conference Proceedings: Managing Fatigue in Transportation 1997
34	Professor David Dinges	Commercial Driver Rest and Parking Requirements: making Space for Safety Final Report
35	Coles Myer Ltd	Code of Practice–Transport Contractors
36	Australian and International Pilots	Rest facilities for Flight Crew in Flight
	Association	Comments on CASA discussion paper

37	Queensland Transport	The Driver Reviver Program in Queensland: Policy and Guidelines, November 1998
38	Mr Grant McBride MP	Alert Drivers and Safe Speeds for Heavy Vehicles
		Sleep Disorders, Driver Fatigue and Safe Driving
		Falling Asleep at the Wheel: Legal and Licensing Implications of Driver Fatigue
39	Roads and Traffic Authority of NSW	Management of Heavy Vehicles in NSW: Industry Report to Road Freight Advisory Council, October 1999
		Safe-T-Cam operations activity report, December 1999
40	Australian Drug Management and Education	National Transportation Safety Board Study: Fatigue, Alcohol, Other Drugs and Medical Factors in fatal to the Driver Heavy Truck Crashes (Vol.1)
		National Transportation Safety Board Study: Alcohol, Drug Use and its Impact on Railroad Safety
		Presentation by Senior Constable Mick Guy, 1999, NRMA-ACT Road Safety Trust Churchill Fellowship
41	Transport Workers Union of Australia	TWU Long Distance Drivers Survey: Summary
42	Australian Licensed Aircraft Engineers Association	Information on Maintenance Error Decision Aid (MEDA)
43	Australian Trucking Association	Truck Driver Rest Area Survey
44	Queensland Rail	British Rail Research into Working Time Patterns and Safety
		Engineer workshift length and schedule variability
45	Australian Council of Trade Unions	ACTU Interim Health and Safety Guidelines for Shiftwork and Extended

Civil Air Operations Officers

Association of Australia

National Road Transport

Queensland Transport

Mr Darren Nolan

Commission

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Working Hours
ACTU National Survey of Current
Workplace Issues: Employment
Security and Working Hours, July 1999
Status of the recommendations of
the Bureau of Air Safety
Investigation 'Occurrences in
Sydney Terminal Airspace'
(investigation report B98/90)

Information from the International Federation of Air Traffic Control Associations (IFATCA) in relation to food consumption

Information from Sydney-Cairns **TAAATS** Centres in relation to food consumption

Road Transport Reform (Driving Hours) Regulations 1998

Draft administrative guideline for driver specific monitoring devices: explanatory notes

Draft Roadside Amenities Strategy for Main Roads

Fatigue and Taxi Drivers: an examination of factors associated with motor vehicle accidents

Roadside Amenities Strategy Implementation Plan for Priority Routes

Vehicle accident/incident statistics

Copy of a recent quality assurance audit report

NOHSC Study: Report on the **Evaluation of Road Transport OH&S Prevention Initiatives**

The Code of Conduct for Fresh Produce

Fatigue management training

		material
50	Department of Transport and Regional Services	Improved Occupant Protection Standards
		Predicting savings in road fatalities due to general road improvements/construction
		Paper presented at National Road Safety Summit, September 1989
		Prediction of Australian Road Fatalities for the year 2010
51	Air Services Australia	OH&S Reference Guide for Shiftworkers in TAAATS
		OH&S Reference Guide for Shiftworkers, Perth
		Occupational Health and Safety and Staff Welfare Handbook
52	Department of Transport and Regional Services	Investigation into the Specification of Heavy Trucks and Consequent Effects on Truck Dynamics and Drivers
53	Mr Colin Hollis MP	Minutes of Route 39 Fatigue Management Committee Meeting 16-17 May 2000
54	Mr Mick Toller	Terms of Reference: Qantas Fatigue Risk Management Project Group

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Appendix C – Hearings & Witnesses

Monday, 26 July 1999 - Adelaide

Associate Professor Laurence Hartley

Fremantle Pilots

Captain Robert Hall, Director

National Rail Corporation Limited

Mr Vince Graham, Managing Director

Dr Fred Affleck, General Manager, Corporate Affairs

Australasian Railways Association Inc.

Mr Bryan Williams, Manager-Programs

Mr David Hill, Research Officer

The Centre for Sleep Research

Professor Drew Dawson, Director

Mr Adam Fletcher, Researcher

Mr Frank Hussey, Consultant

Transport SA

Mr Robin Ide, Project Manager

Monday, 2 August 1999 – Brisbane

Mr Andrew Mulford

Queensland Transport

Mr Gary Mahon, Director, Road Use Management and Safety

Nolan's Interstate Transport

Mr Terrence Nolan, Managing Director

Mr Darren Nolan, Quality and Development Manager

Queensland Rail

Mr Gregory Coughlan, General Manager, Metropolitan Freight and Regional Operations

Mr Kevin Band, Executive General Manager, Safety

Ms Bea Pullar

Queensland Coastal Pilot Service P/L

Mr Perry Sutton, Director

Australian Marine Pilots' Association

Mr Steve Pelecanos, President

Australian International Pilots Association

Captain Stan Prout, Standards and Flight Time Limitations Representative

Captain Richard Woodward, Technical Director

Dr Kevin Maher, Consultant

Australian Federated Union of Locomotive Employees

Mr Paul Sorensen, State Secretary

Friday, 10 September 1999 – Melbourne

Professor David Dinges, University of Pennsylvania School of Medicine

Australian Federation of Air Pilots

Mr Laurie Cox, Senior Industrial Officer

Mr Mike Vaughn, Technical Advisor

Captain George Brown, AFAP Technical Council Member

Captain Tom Russel, Technical Director

Finemore Holdings Limited

Mr Laurence Brothers, Group General Manager, Operating Divisons

Mr Paul Pulver, National Operations Manager

Ms Michelle Nation, National Compliance Officer

Coles Meyer Ltd

Mr Ken Bean, General Manager, Coles Meyer Logistics

Mr Dennis Robinson, National Transport Manager

Wednesday, 15 September 1999 – Armidale

Representatives from Armidale, Uralla and Guyra Emergency Services

Mr Paul Babington, Local Controller, State Emergency Service

Ms Marie Bacigalupo, Executive Officer, Armidale Health Service, New England Area Health Service

Sergeant Stuart Bartholomew, Duty Officer, NSW Police Service

Mr Neil Cooper, Captain, NSW Fire Brigade

Mr Gerry de Vries, Fire Control Officer, Dumaresq Rural Fire Service

Mr Geoffrey Thrift, Captain, Guyra Volunteer Rescue Squad

Mr Philip Waters, Station Officer, NSW Ambulance Service

Mr Graham Williamson, Captian, NSW Fire Brigade

Thursday 16 September 1999 – Kempsey

McCafferty Express Coaches

Mr Leslie James, Operations Manager (Brisbane)

Representatives from Kempsey Emergency Services

Mrs Mary Dunkley, Secretary, Royal Volunteer Coastal Patrol

Mr Peter Hinchcliffe, Committee Member, Kempsey Shire Council Local Rescue Committee, and Station Commander, NSW Fire Brigade

Mr Donald Moy, Rescue Officer and Deputy Controller, State Emergency Services

Inspector Ronald Nunn, Duty Officer, NSW Police Service

Mr Allan Simpkins, Station Officer, Ambulance Service of NSW

Mr Philip Watman, manager of Nursing and Patient Services, Mid North Coast Area Health Services

North Coast Trucking Social Club

Mr Paul Lawrence

Mr Donald Moy

Mr Richard Norberry

Mr Leslie Snape, Vice President

Williamson Brothers Removal and Storage

Mr Rex Williams, Owner and Manager

Friday, 17 September 1999 – Brisbane

Mr Vaughan Johnson MLA, Member for Gregory (Queensland)

Thursday, 7 October 1999 – Sydney

Australian Licensed Aircraft Maintenance Engineers Association

Mr Iain Lang, Federal President

Mr Chris Ryan, Senior Industrial Officer

Regional Airlines Association of Australia

Mr Alan Terrell, Chief Executive Officer

Maritime Union of Australia

Mr Padriag Crumlin, Deputy National Secretary

Australian Rail, Tram and Bus Industry Union

Mr Roger Jowett, National Secretary

Mr Allan Barden, Assistant National Secretary

Dr Ann Williamson, Senior Lecturer, School of Psychology, University of NSW

BHP

Mr Tom McAbe, Manager, National Road Transport

Mr Colin Grant, Principal Consultant

Australian Centre for Industrial Relations Research and Training

Ms Kathryn Heiler, Research Fellow

QANTAS

Mr David Callaghan, International Relations Manager

Mr Bruce Deahm, General Manager, Line Maintenance Operations

Captain Ian Lucas, Chief Pilot Designate

FreightCorp

Mr Lucio Di Bartolomeo, Managing Director Mr Michael Holt, Manager, Quality and Systems Safety Mr John Hutchinson, Area Operations Manager, Hunter Valley Train Crew Mr Paul Osborne, Manager, Train Crew Projects

Friday, 8 October 1999 – Melbourne

National Road Transport Commission

Mr Stuart Hicks, Chairman

Mr Peter Makeham, Director, Safety and Environment

Mr Barry Moore, Director, Strategy and Programming

Transport Workers Union of Australia

Mr John Allan, Federal Secretary

Australian Council of Trade Unions

Ms Susan Pennicuik, OH&S Coordinator/Industrial Officer

Ansett Australia

Mr Trevor Jensen, Executive General Manager, Operations and In-flight Services

Mr John Vincent, Executive General Manager, Engineering

Mr Joey Anca, Manager, Human Factors

Civil Air Operations Officers Association

Mr David Bromley, President

Mr Peter McGuane, Executive Secretary

Sleep Disorders Australia (National)

Mr Garry Carr, Company Secretary/National Director

Friday 8 October 1999 – Melbourne (Sub-Committee)

Transport Accident Commission

Mr Anton Staindl, General Manager, Communications and Road Safety

Mr David Healy, Manager, Road Safety

Sanmar Consulting Group

Mr Mark Gilbert, Director

Monday, 8 November – Canberra

Department of Transport and Regional Services

Mr Peter Harris, Deputy Secretary

Dr Robert Lee, Director, Human factors, Systems Safety, Communications

Dr Bernard Keane, Director, Policy Development and Coordination

Mr Robert Hogan, Assistant Secretary, Land Policy

Mr Chris Brooks, Acting Director, Safety Programs and Support

Captain Christpher Filor, Team Leader, Marine Incident Investigation Unit

Ms Leonie Mack, Team Leader, Maritime Environment and Safety

National Occupational Health and Safety Commission

Professor Dennis Else, Chairman

Australian Maritime Safety Authority

Mr David Harrod, Manager, Operational Standards

Mr Patrick Quirk, General Manager, Maritime Safety and Environmental Strategy

Australian Medical Association

Mr Erich Janssen, Director, Industrial Relations and Remuneration

Tuesday, 9 November 1999 – Canberra

Department of Defence

Colonel Jeffrey Brock, Consultant in Aviation Medicine, Defence health Services

Lieutenant Colonel Robert Collyer, Human Factors, Aviation Support Group (Army)

Wing Commander Keith Jurd, Deputy Director, Current Capability, RAAF

Mr Vincent Pryke, Staff Officer Grade 2, Logistic Requirement (Army)

Mr Brendan Sargeant, Assistant Secretary, Defence Personnel Executive

Mr Glen Tyler, Director, Defence Safety Management Agency

Commander Edward Walsh, Director of Safety Management, RAN

Civil Aviation Safety Authority

Mr Mick Toller, Director

Mr Rob Elder, Executive Manager, Government, Industry and International Relations

Airservices Australia

Mr David Adams, Director, Safety Standards

Mr Adrian Dumsa, Head Air Traffic Controller

NSW Government (Department of Transport and NSW Roads and Traffic Authority)

Mr John Murray, Director, NSW Department of Transport

Mr John Hall, Executive Director, Transport Safety Bureau, NSW Department of Transport

Ms Margaret Crawford, Director, Driver and Vehicle Policy and Regulation, NSW Roads and Traffic Authority

Dr Don Carseldine, Manager, Licensing Policy

Australian Trucking Association

Mr Andrew Higginson, Chief Executive

Mr Michael Apps, General Manager

Mr David Anderson, Executive Director, Natroad Limited

Mr Bruce McIver, Managing Director, McIver Corporation

Wednesday 8 December 1999 - Canberra

Royal Automobile Club of Victoria

Ms Anne Harris, Chief Behavioural Scientist

National Transport Insurance

Mr John Kelly, Risk Manager

Monday, 13 March 2000 – Canberra

MMI Insurance Group

Mr Dean Croke, National Risk Manager

Friday, 23 June 2000 - Canberra

Owner/Operator Truck Drivers

Mr Wayne Davidson, Member, Steering Committee, Long Distance Owner Drivers

Mr Rodger Walker

Wednesday, 28 June 2000 – Canberra

Civil Aviation Safety Authority

Mr Mick Toller, Director

Mr Richard Yates, Assistant Director, Aviation Safety Standards

Mr Robert Elder, Executive Manager, Government, Industry and International Relations



Appendix D – References

The primary source of information, referred to as the body of evidence, is drawn from the submissions, exhibits and evidence taken at public hearings. See Appendices A, B and C for details.

The following is a list of references that are cited in the report in addition to the citations from the body of evidence presented to the Committee in the course of the inquiry.

- Arnold,P and Hartley,L, 2000, 'The Role of Transport Companies in Driver Fatigue', paper presented to Fourth International Conference on Fatigue and Transportation, Fremantle, 19-22 March, 2000.
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- Australian Transport Safety Bureau, 1999, *Community Attitudes to Road Safety, Community Attitudes Survey Wave 12*, Department of Transport and Regional Services, Canberra.

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- Belenky,G. 2000, 'The Effects of Restricted Sleep on Performance and Submission of Nosequent Recovery: Implications for Managing Sleep to Sustain Performance', paper presented to Fourth International Conference on Fatigue and Transportation, Fremantle, 19-22 March, 2000.
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—Summary of Responses to Discussion Papers DP 9904RP and DP 9906RP, 25 May 2000.

—Notice of Proposed Rule Making (NPRM) 0001AS, *Regulatory Standards for Airspace, Air Traffic Services and Aeronautical Communications, CASA Safety Regulations Parts 171 and 177 and Manual of Operations Standards parts 171 and 172*, February, 2000.

• Department of Transport and Regional Services, 2000, *Response of the Federal Government to Reports of the House of Representatives Stansing Committee on Communications, Transport and Microeconomic Reform 'Planning Not Patching' and 'Tracking Australia'; Report of the Rail Prjects Taskforce 'Revitalising Rail'; and Report of the Productivity Commission 'Progress in Rail Reform', Canberra.*

—Rest and Survive: National Highway Rest Area Policy Final Discussion Paper, July 1997, Canberra.

- Det Norske Veritas, 1999, *Great Barrier Reef Pilotage Fatigue Risk Assessment*, AMSA, Canberra.
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- Hartley,L. Horberry,T. Mabbot,N. Krueger,G. 2000, *Review of Existing Fatigue Detection Technologies: Final Report*, (unpublished report), National Road Transport Commission, Melbourne.
- Horne, J. Reyner, L. 1999, 'Sleep Related Vehicle Accidents: Some Guides for Road Safety Policies', paper presented to Fourth International Conference on Fatigue and Transportation, Fremantle, 19-22 March, 2000.

• House of Representatives Standing Committee on Communications, Transport and Microeconomic Reform, 1998, *Ship Safe: An Inquiry into the Australian Maritime Safety Authority Annual Report 19961997*, The Parliament of the Commonwealth of Australia, Canberra.

—1998, *Tracking Australia: An inquiry into the Role of Rail in the National Transport Network*, The Parliament of the Commonwealth of Australia, Canberra.

—1997, *Planning Not Patching: An Inquiry into Federal Road Funding*, The Parliament of the Commonwealth of Australia, Canberra.

• House of Representatives Standing Committee on Transport, Communications and Infrastructure, 1992, *Ships of Shame; Inquiry into Ship Safety*, AGPS, Canberra.

-1995, Plane Safe: Inquiry into Aviation Safety, AGPS, Canberra

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- Kahveci, E. 1999, *Fast Turnaround Ships and their Impact on Crews*, Seafarers International Research Centre, Cardiff.
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