

RadComms08

Meeting future spectrum needs

Speaker Biographies

Christine Allen

Principal Policy Advisor, Policy and Research Section,
Spectrum Planning Branch, ACMA

Christine Allen is a Principal Policy Advisor in the Policy and Research Section of ACMA's Spectrum Planning Branch. She has worked at ACMA and the Australian Communications Authority for over six years in various regulatory and policy roles.

Christine's main responsibility over the past 18 months has been the development of ACMA's Five-year Spectrum Outlook. She is also currently overseeing an update to the Australian Radiofrequency Spectrum Plan and a review of spectrum licensing technical frameworks.

Christine has previously worked on a range of spectrum management matters including the development of strategies for wireless access services, the review and amendment of radiocommunications subordinate legislation, and the development and review of policies relating to spectrum planning, licensing and pricing.



Chris Althaus

Chief Executive Officer, Australian Mobile
Telecommunications Association

Chris Althaus is the Chief Executive Officer of the Australian Mobile Telecommunications Association (AMTA). Chris was appointed to this role in December 2005.

AMTA is the peak national body representing Australia's mobile telecommunications industry and operates programs covering telecommunications policy, infrastructure, health/safety, recycling and law enforcement / national security. AMTA represents mobile Carriage Service Providers, handset manufacturers, network equipment suppliers, retail chains and other suppliers to the industry.

Before joining AMTA Chris was the Chief Executive Officer of the Australian Trucking Association for 5 years. The ATA is the peak industry organization representing all aspects of Australia's \$30b road transport sector responsible for moving over 80% of Australia's land based freight.

Prior to joining the ATA Chris spent 15 years in the forests sector in roles such as; Executive Director of Timber Communities Australia and Director of Market Development for the National Association of Forest Industries.

Chris has a Bachelor of Science from the Australian National University; a Graduate Diploma in Economics from the University of Canberra; and a Business Administration Diploma from Georgetown University, Washington, DC.



Gerrard Anderson

Part-time Member, ACMA

Professor Anderson has been a Part-time Member of the Australian Communications and Media Authority since 1 July 2005, Professor Anderson was formerly Head of Academic Programs at the University of Central Queensland's Melbourne Campus and formerly Pro Vice-Chancellor and Head of the IT and Mathematical Schools at the University of Ballarat. He was also a Member of the Networking the Nation Board. Professor Anderson has considerable experience in regional communications and information technology.

Sue Barrell

Assistant Director, Observations and Engineering, Australian Bureau of Meteorology

Dr Sue Barrell is the Assistant Director (Observations and Engineering) at the Australian Bureau of Meteorology, based at the Bureau's head office in Melbourne. Her principal role is as the National Manager of the Bureau's Observations and Engineering Programs. The programs comprises some 430 staff, located in the Bureau's Head Office and at Regional and Field Offices across Australia and its territories (including Antarctica), who are involved in managing, operating and supporting the ground-based and space-based systems that comprise the Bureau's Composite Observing System, which underpins the provision of weather, climate, hydrological and oceanographic forecast and warning services to the Australian community.

Dr Barrell serves on the Management Committee of the World Meteorological Organization's Commission for Basic Systems and is the alternate Australian Delegate to the international Group on Earth Observations (GEO). Dr Barrell also chairs the Australian Government inter-agency coordination process for GEO.



Keith Besgrove

First Assistant Secretary, Telecommunications,
Network Regulation and Australia Post
Division, Department of Broadband,
Communications and the Digital Economy

Keith Besgrove is the First Assistant Secretary, Telecommunications, Network Regulation and Australia Post Division in the Department of Communications, Information Technology, and the Arts in Canberra, Australia.

Keith provides advice to the Australian Government on strategic, legal and regulatory issues relating to communications and the information economy. His responsibilities include spectrum policy and planning, domain names, spam, consumer issues and broadband. He has been involved in various international groups including the OECD, APEC and ITU, and is the current chair of the OECD Working Party on Information Security and Privacy (WPISP). In recent years, he has also been responsible for research into the impact of ICT in improving productivity in Australia.

Keith is fifty six years old, holds a Bachelor of Arts in Political Science from the University of Sydney and has two adult children. He is also a graduate of the Wharton School's Advanced Management program, and has completed an Australian Government Research Fellowship into innovation programs in Israel and Singapore

Rebecca Burdon

Manager & Principal Economist, Economics Research, Sector Analysis and Reporting Branch, ACMA

Rebecca joined ACMA in May 2007, having previously led Frontier Economics' telecommunications practice in Australia, and held positions at London Economics and the New Zealand Treasury. Rebecca manages ACMA's Economic Research Section. The section's role is to advise the ACMA on the economic implications of existing and proposed regulatory interventions, and assist in the design of regulatory interventions. This includes advising on a range of spectrum related issues.

Rebecca holds a Bachelor of Economics (Hons) from Otago University (NZ) and a Masters of Science in Economics from the London School of Economics.



Chris Chapman

Chairman, ACMA

Chris Chapman was appointed as the inaugural Chairman and CEO of the Australian Communications and Media Authority (ACMA) on 27 February 2006.

Chris is a seasoned executive with experience in the media, broadcasting, internet, telecommunications, film, entertainment, infrastructure and finance development and sporting rights.

Before joining ACMA Chris was Chief Operating Officer, Specialist Funds Management Activities for Babcock and Brown Limited and before that Managing Director and Chief Executive, Babcock and Brown (formerly Prime Infrastructure Management Limited).

Chris has held a number of senior management positions including Chief Executive Officer, Optus Ltd joint venture – Excite@Home Australia Pty Limited; Chief Executive Officer, Stadium Australia Management Limited; Managing Director Channel 7 Sydney; Chief Operating Officer and Acting CEO Seven Network; Chairman, SportsVision Australia and Chairman, Film Australia Limited.

Chris commenced his career as Associate to the Chief Justice of Australia and then as a Senior Associate with Malleson Stephen Jacques which included a posting to New York.

Chris has a Bachelor of Laws and a Bachelor of Commerce from the University of New South Wales.



Chris Cheah

Acting Deputy Chairman, ACMA

Mr Chris Cheah is currently acting Deputy Chairman of the Australian Communications and Media Authority (ACMA). ACMA commenced on 1 July 2005 and was formed by the merger of the previous Australian Broadcasting Authority and Australian Communications Authority.

Mr Cheah has had a wide range of roles in communications policy and strategy. These have included policy, research, regulatory and strategy roles with the Department of Communications, Information Technology and the Arts (DCITA), the National Office for the Information Economy (NOIE), AUSTEL and Telstra. Mr Cheah played a leading role in the development of telecommunications, broadcasting and online content legislation, including the *Telecommunications Act 1991*, the 1997 telecommunications reforms, and the online content provisions of the *Broadcasting Services Act 1992*. He also led a major research team in the early 1990s when he was research manager for the Communications Futures Project in the Bureau of Transport and Communications Economics. For six years he headed up the telecommunications and postal division in DCITA which advised successive communications ministers on telecommunications policy and legislative issues, as well as running a range of government funding programs.

Louise Collis

Senior Economist, Economics Research, Sector Analysis and Reporting Branch, ACMA

Mrs Collis joined ACMA in October 2007, having previously held positions in the Department of the Prime Minister and Cabinet and the Australian Communications Authority. She was a member of the team which ran the auctions for mobile phone spectrum in 2000 and 2001. She has also worked in research at the Australian National University, Adelaide University and La Trobe University, and is a member of the Economic Design Network.

Mrs Collis holds a Bachelor of Economics (Hons) (Adelaide), a Master of Economics (ANU) and is currently pursuing a PhD looking at the effect of reserve prices on auction outcomes.



Senator the Hon. Stephen Conroy

Minister for Broadband, Communications and the Digital Economy

Senator the Hon Stephen Conroy was appointed to the position of Federal Minister for Broadband, Communications and the Digital Economy in December 2007. He is also Deputy Leader of the Government in the Senate.

Stephen has been actively involved in the communications sector for six years, first as Senate Representative for shadow communications spokesman Lindsay Tanner and then as shadow communications minister until the November 2007 Federal election.

Stephen is passionate about the media and communications sector and engaging with industry to foster innovation and growth.

Stephen was appointed as a Senator for Victoria for the Australian Labor Party in 1996. Previously he was an industrial officer and superannuation officer for the Transport Workers Union Victorian Branch from 1992 to 1996; a ministerial adviser to the State Minister for Industry from 1990 to 1992 and an assistant adviser to the Speaker of the House of Representatives from 1988 to 1990.

From 1986 to 1987, Stephen was an electorate officer for the Federal Member for Canberra, consultant to the Minister for Science and Minister assisting the Minister for Industry, Technology and Commerce and electorate officer for the Minister for Home Affairs. He worked for the Metal Trades Industry Association from 1984 to 1986.



Colonel Lewis Coyle

Director Operating Support, Information Policy
and Plans Branch, Department of Defence

Lewis Coyle grew up in Melbourne and attended Brighton High School. He studied engineering at Monash University then joined the Army in July 1980. He graduated from the Officer Cadet School, Portsea in 1981 and was commissioned as a Second Lieutenant into the Royal Australian Corps of Signals.

Coyle's early military career was spent mainly in combat communications roles as a troop and squadron commander. He later commanded a combat communications regiment in Darwin in 2001-2, after postings in career management, manpower planning and ICT planning and operations positions, including Washington DC in 1999-2000. He deployed on active service to Qatar and Baghdad in 2003 and spent 2004 in East Timor as Defence Attaché. He was the Australian Army Attaché in London for the past 3 years, and he is now the Director, Defence Spectrum Office.

Coyle's educational qualifications include a Bachelor of Business (RMIT), Grad Dip Eng (Swinburne University) and MSc (US Navy Postgraduate School). Colonel Coyle is married to Elizabeth and they have three daughters and a son. His interests include cricket, Australian football, rugby and golf.

Andrew Deme

Manager, Wholesale Telecommunications, Ergon Energy

Andrew Deme's first experience of radio communications was at the ripe old age of 7, using a shortwave to tune in the BBC, followed by Crystal Radios, longwire antenna's and then through the Citizen's Band era, into making sure he was part of the Friday night Amateur Radio Operators 'sched'. In 1980 Andrew was given a TRS-80 by an older brother and at 15, after upgrading the RAM from 4 Kbytes to 16 Kbytes was programming in Basic and Assembler.

Working through a career which included roles such as Computer Operator, Systems Programmer, Technical Support Manager, Telecommunications Manager and IT Manager, and more recently as the General Manager, Nexium Telecommunications, (a wholly owned subsidiary of Ergon Energy), Andrew brings a wide a varied range of skills and experience.

Currently Andrew is leading the Ubiquitous Network (UbiNet) project for Ergon Energy, which plans to provide communications across Ergon Energy's regional electricity distribution network (around 3 million square kilometres). This project involves liaison with multiple potential stakeholders of the network in Queensland, including Energex, Queensland Rail, Powerlink, and the Queensland Government.

James Evans

General Manager- Radio, Ericsson Australia and New Zealand

Dr. James Evans is the General Manager Radio Technology for Ericsson Australia/ New Zealand. As such he is intimately involved in the introduction and evolution of the most advanced mobile telephone networks in the region. In particular James is an expert in the development and implementation in Ericsson's mobile networking products of new technical standards and features for mobile networking, from GSM/2G to 3G, and the progression to LTE (long-term- evolution) and 4G.

James has lived and worked for Ericsson in New Zealand, Australia, Sweden, and - most recently - the USA. James received his PhD at the University of Melbourne in 1995 with research into Signal Processing.

Andrew Findlay

Managing Director, Vertical Telecoms Pty Ltd (Vertel)

Andrew Findlay joined Vertel in 1997 as the Business Development Manager for emerging markets / technologies. In 2000 he took on the role of Managing Director and set out to build Vertel as an organisation that holds as its values Partnering, Accountability, Innovation and Fun. With a well defined vision to be Australia's leading provider of the most innovatively delivered and cost effective wireless access sites, services and networks. Andrew and his team are working together to deliver solutions that make their customers more successful in their markets.



Julie Flynn

Chief Executive Officer, Free TV Australia

Julie Flynn is the Chief Executive Officer of Free TV Australia.

Free TV is the industry body that represents Australia's 48 commercial television licencees. In her time as CEO, Free TV has been at the forefront of the transition to digital television services and has developed an industry voice to market the strengths of free-to-air television in an increasingly competitive market.

Julie joined Free TV after a distinguished career as a journalist and media executive. She was a senior executive at Radio 2UE, however she is also known for her work as a reporter and commentator in the Canberra Press Gallery with the ABC, the National Times and 2UE.

Julie has won a Walkley award for Radio News reporting and was President of the Canberra Press Gallery.

Julie has been a member of the Public Service Medal Committee, the Walkley Awards Advisory Panel and the Equal Opportunity for Women in the Workplace Advisory Board.

Tony Gates

Chair, National Coordinating Committee for Government
Radiocommunications

Tony Gates has over 30 years experience in Government and currently works for the Government Chief Information Office in the NSW Government. In that capacity, he has responsibility for the NSW Government Radio Network, one of the first government trunked radio networks in Australia. He was also involved in the formation of the National Coordinating Committee for Government Radio Communications and currently chairs that body. In 1994, he took a lead role in the management of the response to the NSW Bushfires and is well aware of the advantages and practical difficulties in organising and effecting large scale, multi agency and multi-jurisdictional operations. He received the Emergency Services Medal in the 2005 Queens Birthday Honours List for services to emergency management.

Donald Grimm

Senior Researcher, Wireless Systems and Technology Group, General Motors USA

Mr. Grimm is a Senior Researcher in the Wireless Systems and Technology group at the Electrical and Controls Integration Lab. He has nearly 19 years of research and development experience at GM where he has worked on the development of in-vehicle networking protocols and simulation tools, and on the development of autonomous and wireless-based active safety systems. He was a member of the GM team that developed and publicly demonstrated GM's vehicle to vehicle wireless communication technology. His research experience also includes the design and development of human machine-interfaces for active safety and driver assistance applications. He has published several refereed conference and journal papers in the v2v communications and human-machine interfaces, and has earned several US and international patents. He is currently leading the development and demonstration within GM of non-embedded active and passive transceiver devices. He received a Bachelor of Science degree in Computer Science from Oakland University, Rochester, Michigan.

Robert Hockings

Team Leader, Planning and Support, Strategy and Architecture, ICT Services, Queensland Department of Emergency Services

Robert has been in Government radio since his employment with CITEC in 1988. His radio career started with a multi-user Philips analogue radio system servicing a small number of Queensland Government Departments in the South East Queensland area.

He left CITEC in February 1992 and joined the Queensland Police Service as a Communications Engineer in their Radio and Electronics Section. In 1999 he became the first non-police Manager of the Radio Electronics Section since its formation in 1938.

During his time in charge he managed the Millennium Bug changeover for the police radio and telephone communications systems, the radio communications for the Queensland Police Service support for the Olympic torch relay and events, Queensland Police radio and electronic surveillance for the Commonwealth Heads of Government Meeting in 2002, implemented secure digital radio communications for general police in the Brisbane Metropolitan area and upgraded the secure radio communications systems for Queensland Crime Operations and Counter Terrorism support in provincial centres throughout Queensland.

In April 2005 he left the Queensland Police and joined the Queensland Department of Emergency Services to take up his current role as Team Leader Planning and Support. The Planning and Support area comprises of a small group of specialists providing strategic and project support advice on telecommunications matters, including radio communications, to Queensland Fire and Rescue Service, Queensland Ambulance Service and Emergency Management Queensland.

During his 20 years of involvement in radio communications Robert has been on a number of State and National government radio communications committees and is optimistic about the continued role of radio communications in Government.

Chris Hose

Manager, Government Planning Section, Spectrum Planning Branch,
ACMA

Chris Hose is currently Manager of the Government Planning Section of ACMA's Spectrum Planning Branch. His responsibilities include spectrum planning and engineering support to stakeholders, government and ACMA in order to develop appropriate planning arrangements for the unique spectrum requirements of government users. He also remains involved in a range of broader space systems spectrum management issues. As chairman of Australian Radiocommunications Study Group 1 he continues his active role in ACMA's engagement on International Telecommunication Union activities, including preparations for WRC-11.

Chris has a Bachelor of Electrical and Electronic Engineering from the University of Queensland, a Graduate Certificate in Public Administration from the University of Canberra and is studying towards his Masters of Engineering Science at the Australian Defence Force Academy. He has been working at ACMA and the ACA for over eight years and previously spent a short period working for a power system consultancy company in Queensland.

Andrew Kerans

Executive Manager, Spectrum Planning Branch, ACMA

Andrew Kerans is currently the Executive Manager of ACMA's Spectrum Planning Branch responsible for Australia's spectrum management.

Andrew has 29 years radiocommunications experience since joining Telecom Australia in 1979.

Andrew has worked throughout Australia installing terrestrial radio systems as well as some time working for the Defence Department at Geraldton, Western Australia.

Andrew holds a Bachelor of Engineering from Charles Darwin University (formerly NTU), a Masters of Engineering from the Australian Defence Forces Academy and is currently finishing his PhD thesis in Engineering at James Cook University in North Queensland.

Andrew has been with ACMA and its predecessors the ACA and SMA for thirteen years.

Erik Lensson

Chief Engineer, National Licensing and Allocations Branch, ACMA

Erik Lensson (SMIEE, MSMPTE) is currently the Chief Engineer, National Licensing and Allocations Branch, at ACMA. Erik has an extensive background in radio and telecommunication engineering. He has initiated and contributed to many national and international spectrum management initiatives, including material published by recognised standards development organisations such as the IEEE and ITU-R. Prior to undertaking senior spectrum management roles at the ACA, he was engaged in radiofrequency spectrum and interoperability planning for military command, control and communications systems at Headquarters, Australian Defence Force (HQADF). In Telecom Network Engineering he was involved in radiowave propagation measurements, including field measurement and time-series analysis, telecommunication transport network engineering and wireless access service planning.

Erik has a strong interest in international standardisation and spectrum matters, having served as Chair, ITU-R Study Group 9, Working Party 9A and WRC Working Group Chairman and also as member of the Australian delegation to many international ITU-R, WRC and related forums, such as APT. Nationally, Erik was a member of the former IRAC and its committees, including a number of years as the Chair of the Australian Radiocommunication Study Group 9 (ARSG9). Erik is a Senior Member of the IEEE and served as Chair, IEEE ACT Section 2002-2004 and ACT IEEE Antennas & Propagation Society.

His current and ongoing professional interests include consumer related technical issues, such as the Digital Switchover, broadband service delivery and automation of ACMA's licensing and frequency coordination services. At home, Erik likes to spend time in his barn, building an aeroplane with the assistance of his two teenage boys, one of whom has decided to help dad out by opting for a career as a Licensed Aircraft Maintenance Engineer or LAME.

Mark Loney

Executive Manager, Pricing and Policy Branch, ACMA

Mark grew up and was educated in Western Australia, completing a Bachelor of Arts in 1985 at the Western Australian Institute of Technology. He worked on communications research issues for the Department of Defence from 1988 to 1996. During that time, Mark worked in Melbourne, Washington DC and Canberra. Since joining the Spectrum Management Agency in 1996, Mark has worked on a wide range of communications and regulatory issues. Mark played a key role in the establishment of ACMA in 2005 and has lead the Pricing and Policy Branch since it was established in January 2006.



Malcolm Long
Part-time Member, ACMA

Malcolm Long has been a Part-time Member of the Australian Communications and Media Authority since 1 July 2005. Malcolm was until recently the Executive Director of the Australian Film Television and Radio School and previously a part-time member of the ABA. He was previously the Managing Director of the Special Broadcasting Service (SBS), and has held various roles with the Australian Broadcasting Corporation, including Deputy Managing Director. He has also worked for several years as a communications consultant. Malcolm was also past chairman of the London-based International Institute of Communications.

Geoff Luther

Luther Consulting

Following a long career in the Australian Public Service, Geoff Luther moved into the private sector as an economic consultant in 2005. After working as a Vice President at CRA International in 2005, he is currently a Senior Consultant with that firm as well as establishing his own consultancy business, Luther Consulting. He was a Member of the Authority at the Australian Communications Authority from 2003 to 2005, and has extensive experience in communications regulation and spectrum management. He was responsible for Australia's highly successful program of spectrum auctions from 1995 to 2003, and was one of the architects of the government's innovative use of market-based techniques for spectrum regulation, including spectrum trading and spectrum pricing. He has also had extensive broadcasting policy experience, including as a member of the government's Digital Radio Study Group.

Prior to his roles with the ACA, Geoff held senior positions at the Spectrum Management Agency and with the Department of Communications, and before that with the Transport and Communications and Industry, Technology and Commerce portfolios. He also worked with the OECD in Paris. In the Australia Days Honours List in 2006 he was awarded the Public Service Medal for outstanding public service in the development of a comprehensive spectrum allocation system for Australia.

Recently, ACMA appointed Geoff as Specialist Industry Advisor to its new spectrum consultation body, the Radiocommunications Consultative Committee (RCC). It is intended that Geoff's role will be independent of ACMA and is analogous to a public interest advocate. In addition to his specialist knowledge and experience as a former radiocommunications regulator, Mr Luther has a distinguished recent record as a consultant on radiocommunications policy matters.

Allan Major

Executive Manager, Regulation and Compliance Branch, ACMA

Allan Major has been with ACMA since 1995. He is responsible for the strategic direction of the Regulation & Compliance Branch, which administers a range of ACMA's technical regulation functions, including the standards and labelling regimes for Electromagnetic Compatibility (EMC), telecommunications and radiocommunications equipment and is also responsible for ACMA's compliance activities relating to radiocommunications licence compliance.

Mr Major's roles at ACMA have included technical regulatory roles, managing the costing and funding of the universal service obligation, industry quality of service regulation, the development of carrier pre-selection requirements, though to corporate roles including that of CFO.

Mr Major worked with the Treasury Department of the ACT Government before joining Austel in 1995. Mr Major has a Master of Commerce degree from the University of Canberra, building on a Bachelor of Commerce degree from Deakin University.

Geoff McMillen

Manager, Spectrum Engineering Section, Spectrum Planning Branch,
ACMA

Geoff McMillen is the Manager of the Spectrum Engineering Section of ACMA's Spectrum Planning Branch.

Geoff has been involved with various aspects of radiocommunications, telecommunications and broadcasting for more than 39 years since joining the Postmaster General's Department in 1969.

Geoff has worked on installation and maintenance of radiocommunications, broadcasting and telecommunications equipment throughout Queensland.

Geoff has also worked on the regulation of radiocommunications including investigation of interference, frequency assignment, licensing, satellite regulation and coordination for ACMA and its various predecessors since 1969.

Brigadier Michael Milford

Director General, ICT Policy and Plans, Department of Defence

Michael Milford was born in London and moved to Australia at an early age. He completed his secondary education at Wesley College, Melbourne, and entered the Royal Military College Duntroon in January 1980. After completing a Bachelor of Science he graduated in 1983 into the Royal Australian Signals Corps as a Lieutenant.

Milford's early career was spent as a troop and squadron commander in combat communications units and the Special Air Services Regiment. In 1993 he deployed to Cambodia as part of the United Nations Transition Authority in Cambodia (UNTAC), commanding 2 Squadron, Force Communications Unit in Battambang. In 2001 he was seconded to Parliament House as the Defence Adviser to the Joint Standing Committee on Foreign Affairs, Defence and Trade. In January 2002 he assumed the appointment of Commanding Officer of the 1st Joint Support Unit, and J6 of the Deployable Joint Force Headquarters.

He assumed the position of Director of Personnel – Army in January 2004 and served as Director General Personnel – Army as a Colonel in late 2005 to May 2006. He was made a Member of the Order of Australia in the 2006 Australia Day Honours list for his work in command and as Director of Personnel-Army. In 2006/2007 he attended the National Defense University Washington, where he graduated as a Distinguished Academic Graduate. He returned in mid 2007 to Army Headquarters Canberra as the Director of Strategy and International Engagement. He was promoted to Brigadier on 14 January 2008, and became Director General ICT Policy and Plans in the Chief Information Officers Group.

In addition to his Bachelor of Science, COL Milford has a Graduate Diploma of Telecommunications Systems Management, a Master of Business Administration, and a Master of Science in National Strategy Resourcing. He is married to Jenni and they have three children. His major interests include reading widely, fishing and cricket.



Richard Morris

Head of Engineering, Commercial Radio
Australia

Richard started work with the BBC's Transmitter Projects Department in 1987. He was a member of the BBC team which commissioned World's first fully operational DAB SFN service in 1995. Later he became the DAB multiplexer technical specialist for the infrastructure provider Crown Castle International, building commercial radio DAB studio/multiplexer systems and an associated national distribution network.

Richard joined Commercial Radio Australia in 2003 to assist with building and operating the transmission system for the radio industry's Sydney DAB trial - and is currently working with the industry towards the roll out of Commercial Radio DAB+ networks in Australia.

Richard has a degree in Electronic Engineering, is a Chartered Engineer with the UK Institute of Engineering and Technology. He is a member of the Standards Australia Broadcasting committee and also a member of the WorldDMB technical committee. Recently he has contributed the chapter on World Digital Radio technology for the NAB Engineering Handbook.

Allan Noble

Director of Engineering Australia and New Zealand, Google

Alan began his career at Google in February of 2006. Alan is a serial entrepreneur with over 25 years of software research, development and management experience on four continents, including 16 years in Silicon Valley. He excels at creating innovative products by bringing out the best in technology teams. 7 US patents granted with others pending. Published extensively in international journals. As the Engineering Director for Australia and New Zealand, Alan is responsible for Google's research and development operations in Australia and chief evangelist for Google's values as an organization that believes in community, creativity, innovation and fun. Google's mission is to organize the world's information and make it universally accessible and useful. His part of that mission is to build and manage our R&D team in Australia so that more of Google's innovations, like Google Maps, originate in Australia. Key accomplishments during my first year at Google were doubling the size of the organization and broadening the base of products that we develop in Australia.

Chris Perera

Auction Manager, Radio Spectrum Policy and Planning,
Ministry of Economic Development, New Zealand

Chris Perera has been with the Radio Spectrum Policy and Planning Group of the Ministry of Economic Development; the New Zealand Spectrum Regulator for the last 3 1/2 years. Her expertise & areas of interest include Spectrum Management Frameworks and Principles, Broadband Wireless Access and New Wireless technologies. Chris managed the 2.3 GHz & 2.5 GHz Spectrum Auction held recently in New Zealand.

Prior to joining the Regulator, Chris was with Telecom New Zealand for 6 years as Spectrum Investment Manager and as an Adviser on Wireless Technologies.

Chris has a Master of Engineering from the University of Auckland, New Zealand and a Management Accounting Degree from the Chartered Institute of Management Accountants, UK.



Johanna Plante

Part-time Member, ACMA

Johanna has been a Part-Time Member of the Australian Communications and Media Authority since 1 July 2005.

Johanna has worked in the telecommunications industry for about thirty years, and was the former, inaugural, Chief Executive Officer of the Australian Communications Industry Forum, a company established in 1997 to implement and manage communications self-regulation in Australia.

She has held senior management positions with KPMG, Telstra, Coopers and Lybrand, and Pacific Star Communications as well as being an inaugural full-time Board Member of AUSTEL, a predecessor to ACMA, from 1989 to 1993, and an Associate Commissioner of the Trade Practices Commission.

Johanna was a Board Member of the Regional Telecommunications Infrastructure Fund, "Networking the Nation", and was also appointed to the Prime Minister's Science, Engineering and Innovation Council.

Johanna has a first class honours degree in Electrical Engineering from the University of Western Australia.



Graeme Samuel

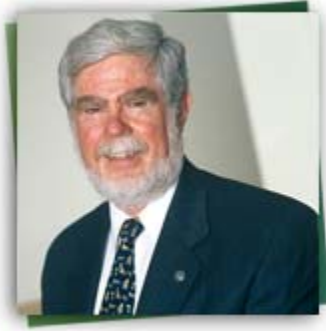
Chairman, ACCC and Part-time Associate
Member, ACMA

Mr Samuel is Chairman of the Australian Competition & Consumer Commission. He took up this position in July 2003. Until then he was President of the National Competition Council, Chairman of the Melbourne & Olympic Parks Trust, a Commissioner of the Australian Football League, a member of the Board of the Docklands Authority, and a Director of Thakral Holdings Limited. He relinquished all these offices to assume his position with the ACCC.

He is a past President of the Australian Chamber of Commerce and Industry, a past Chairman of Playbox Theatre Company and Opera Australia, a former Trustee of the Melbourne Cricket Ground Trust and former Chairman of the Inner & Eastern Health Care Network.

Until the early 1990s he pursued a professional career in law and investment banking, from which he retired to assume a number of roles in public service and company directorships.

Mr Samuel holds a Bachelor of Laws (Melbourne) and Master of Laws (Monash). In 1998 Mr Samuel was appointed an Officer in the General Division of the Order of Australia.



Rod Shogren

Part-time Member, ACMA

Rod has been a Part-time Member of the Australian Communications and Media Authority since 1 July 2005.

He is a former Commissioner with the Australian Competition and Consumer Commission, with a role in telecommunications regulation. Rod has held a number of senior positions within the public sector and is a Consultant for Access Economics.

Andrew Stewart

Senior Engineer, Government Planning Section, Spectrum Planning Branch, ACMA

Andrew Stewart is a professional engineer with over 20 years experience in the radio field. He built his first crystal radio set at the age of eight.

Andrew's current fields of interest are spectrum planning for land mobile radio, point-to-multipoint systems and radio astronomy. Andrew developed arrangements for the Mid-West Radio Quiet Zone, and "notification zones" around other key radio astronomy facilities. Andrew has also contributed to standards development and participates in a number of committees dealing with government radio. A key current initiative is exploring options for replanning the 400 MHz band.

Prior to joining ACMA Andrew worked with the Australian Federal Police on mobile radio, telephone intercept systems and forensic signal processing.

Giles Tanner

General Manager, Inputs to Industry Division, ACMA

Giles Tanner is currently the General Manager, Inputs to Industry Division, at the Australian Communications and Media Authority (ACMA). A lawyer by training, Mr Tanner has worked in the fields of broadcasting and communications law and policy for more than 20 years.

A former General Manager and A/g Member of the Australian Broadcasting Authority, Mr Tanner has also worked for Australia's competition regulator, the Australian Competition and Consumer Commission. For three years until 1997, he led the development and implementation of the ABA's public spectrum planning process for analog broadcasting services. Before that, he was a lawyer and investigator for the ABA and its predecessor, the Australian Broadcasting Tribunal.

The Inputs to Industry Division consists of four branches:

- **Spectrum Planning Branch**, responsible for radio frequency spectrum planning and space and international regulation.
- **Pricing and Policy Branch**, responsible for development of licensing frameworks for radiocommunications and telecommunications and associated regulatory policies; market-based reform of spectrum management; spectrum pricing and access issues; telecommunications numbering policy matters, universal service obligation funding and licence fees for broadcasting services.
- **National Licensing & Allocations Branch**, responsible for radiocommunications licensing and frequency assigning; broadcasting service planning and licensing; telecommunications numbering allocation, telecommunications licensing activities and installation permits.
- **Regulation and Compliance Branch**, responsible for radiocommunications and telecommunications standards development; radiocommunications compliance and enforcement policy; carrier powers and immunities and regional offices and operations centre activities.

Tony Warren

General Manager, Regulatory Affairs, Telstra

Dr Tony Warren is General Manager Regulatory Affairs for Telstra based in Canberra. In this role, Dr Warren leads a team of professionals with primary responsibility for managing Telstra's regulatory issues and public policy positioning. He has held this position since September 2005 and has been in Telstra since November 2001.

Prior to moving to Telstra, Dr Warren was a Director of the Network Economics Consulting Group (NECG). Dr Warren joined NECG in 1997 and helped build it into Australia's premier regulatory economics consulting firm, working closely with company's such as Telstra on all economic aspects of regulation, competition policy, trade practices, intellectual property and related issues. During his time at NECG, Dr Warren spent four months on secondment at the Oxford Economic Research Associates in the United Kingdom working on a series of projects.

Before joining NECG Dr Warren was a post-doctoral fellow in the Research School of Pacific and Asian Studies at the Australian National University, where he led a team of researchers developing methodologies for quantifying barriers to trade and investment in services. This project, which built upon Dr Warren's PhD dissertation on 'The Political Economy of Services Trade and Investment', has, for the first time, allowed for the systematic modelling of the economic effects of services liberalisation, including telecommunications.

Andy Townend

Deputy Secretary, Department of Broadband, Communications and the Digital Economy

Andy Townend is Deputy Secretary in the Department of Broadband, Communications and the Digital Economy and Head of the Australian Government's Digital Switchover Taskforce. He has responsibility for coordinating and overseeing Australia's transition to digital television. Andy brings a wealth of knowledge to this area particularly from his previous role as the Chief Operating Officer of Digital UK, the body coordinating the switchover in the United Kingdom.

Before taking up his role with Digital UK he was Controller of Distribution at the British Broadcasting Corporation, where he was responsible for ensuring the delivery of all the BBC's television, radio and interactive services to licence fee payers, developing the BBC's strategy for switchover and leading the cross industry group that established Digital UK in April 2005. He was a key member of the BBC team which launched Freeview in October 2002 and renegotiated the BBC's contracts with BSkyB to pave the way for the launch of Freesat. He has chaired The Digital Network, a UK organisation set up to coordinate the Digital Terrestrial Television platform and represented the BBC as a member of Council of the Digital Television Group during the development of the United Kingdom Government's Digital Television Action Plan.

Bob Waites

Assistant Commissioner, Operational Communications and Information Command, NSW Police

Assistant Commissioner Waites has worked in Metropolitan Sydney in general duties, investigation and rescue. Since 1989 he has held human resource management positions and then Command positions from 1992 at inner and outer metropolitan Local Area Commands and Greater and Inner Metropolitan Regions. AC Waites currently Commands the Operational Communications & Information (OCI) Command.

AC Waites has been commended for bravery in the rescue of Billy Farr from a borehole at Palmdale in 1982 and has been awarded the Australian Police Medal, National Medal with First and Second Clasps, and the NSW Police Medal for 40 years service.

Mr Waites served on both the Executive of the NSW Police and NSW Commissioned Police Officers Associations and the board of Police Legacy. He is currently on the board of Crime Stoppers NSW and represents law enforcement on the board of Crime Stoppers Australia.

AC Waites has post graduate studies focussing on criminal justice and management including a Masters in Public Policy and Administration. He has studied at the FBI National Academy & University of Virginia, obtaining a Certificate in Policing Studies.

Dennis Walsh

Executive Director, Planning Design and Operations,
Department of Main Roads, Queensland

Dennis commenced work with Ove Arup and Partners in 1987 where he worked on a number of projects in the Brisbane, Sydney and Melbourne offices. In 1990, he joined the Brisbane City Council on the Kerbside Management Review as the Project Engineer. Dennis joined the Queensland Department of Transport in August 1991 where he worked on a wide range of road use management and safety issues. From June 1995 to February 2000, Dennis managed the Speed Management Project for Queensland Transport.

Dennis transferred to the Department of Main Roads in February 2000 where he was responsible for the provision of policies, services and standards in the areas of Network Operations and Performance and ITS Infrastructure. In May 2003 Dennis took on the challenge of managing the Operations Plus project which was established to increase the focus on road operations by Main Roads and respond to the increasing strategic emphasis being placed on the area of Main Roads' business. In 2004 Dennis added to his responsibilities by taking on the role of Program Manager – Network Program for Austroads. Dennis was appointed to Executive Director (Planning Design & Operations) in July 2007.



Joan Warner

Chief Executive Officer, Commercial
Radio Australia

Joan Warner took the role of Chief Executive Officer of Commercial Radio Australia in July 2001. She has experience at the most senior levels of the public and private sectors across a range of industries and policy areas such as legal and financial services, education and training, tourism, employment and fast moving consumer goods. Recently she led the industry's complex and intensive lobbying effort which resulted in the Federal Government's policy announcement for digital radio. Ms Warner has held executive roles at Phillips Fox lawyers, Australian Centre for Global Finance, George Weston Foods and Telstra, and also advised Ministers and Opposition spokespeople at State and Federal level on a range of areas. She holds four degrees including an MBA and a Master of Education.