

PROGRAM

WEDNESDAY 27 NOVEMBER



PLENARY – THEATRE 1			
8.50am	Welcome and opening remarks: <i>Paul Davis</i> — Events Director, WFEvents followed by Conference Chair: <i>Chris Stevens</i>		
9.00am	Opening Keynote: Global PSMB and the European BroadWay to BroadNet <i>Dr David Lund</i> — President/ Coordinator of Broadway, Public Safety Communication Europe (PSCE) Forum		
9.45am	Keynote: The FirstNet Roadmap <i>Chief Richard Carrizzo</i> — Board member, FirstNet/Chief of the Southern Platte Fire Protection District, Kansas City, MO		
10.30am Morning Break — Exhibition Hall			
	THEATRE 1	THEATRE 2	THEATRE 3
	Public safety and emergency management	Industry	Technology
11.15am	A Public Safety Mobile Broadband capability for Australia <i>Luke Brown</i> — Assistant Secretary, Department of Home Affairs	Underground LTE — Mine case study <i>Rodney Nebe</i> — Mine Superintendent - IT Senior Network Engineer, Gold Fields <i>Simon Lardner</i> — CTO, Challenge Networks	Maximising interoperability by promoting open standards and open APIs <i>Victoria Lee</i> — Vice President, The Public Safety Network
11.45am	South Korea PSMB project update <i>Steve Hwang</i> — Steering Committee Member, Safe-Net Forum, BDM, Public Sector APAC, Nokia	Mining solutions to deliver broadband and voice services seamlessly in modern underground mines <i>Johan Strydom</i> — Product Manager Mining and Networks, RFI	Voice interoperability, multi bearer switching and application integration for mission critical operations <i>Sohan Domingo</i> — Head of Product Management - Unified Solutions, Tait Radio
12.15pm	Why you don't need a critical communications network today <i>Chris Goldsmith</i> — Programme Manager, New Zealand Police	Transport for London's surface radio network digital transformation <i>John Gardener</i> — Chief Technology Officer, Tait Communications	Internet of Tracking <i>Stuart German</i> — Business Development, Digital Matter
12.45pm Lunch Break — Exhibition Hall			
2.00pm	Enhancing public safety communications with datacasting <i>Andrew Maxymillian</i> — Principal Consultant, Blue Wing Services, Inc.	What spectrum harmonisation means for the smooth migration of critical communication networks from narrowband to broadband <i>Jamie Chard</i> — Senior Network Consultant, Nokia Networks and Solutions, Australia	Satellite technology trends for mission-critical communications <i>Dr Ben Hale</i> — Senior Consultant, Communications, Information & Space, Nova Systems
2.30pm	Technology innovation for emergency communications — how PSCR is pulling the future forward <i>Dereck Orr</i> — PSCR Division Chief <i>Ellen Ryan</i> — PSCR Deputy Division Chief and Open Innovation Team Lead <i>Jack Lewis</i> — Lead Virtual Reality Developer National Institute of Standards and Technology, Communications Technology Laboratory	Voice & Data — Playing a critical role in public transport provision in Australia and New Zealand <i>Mark McKenzie</i> — Head of Strategic Initiatives, Transdev	Is DMR over satellite the next solution? <i>Sam Fasullo</i> — Business Development Manager, Norsat
3.00pm		Utility case study: KEPCO Korea — critical voice and data networks Presented on behalf of KEPCO by <i>Kaddour Rebiai</i> — Director, Sales/APAC, Airbus Secure Communications	DMR Tier III — a global standard for critical communications <i>James Holmes</i> — State Manager CSE Crosscom
3.30pm Afternoon Break — Exhibition Hall			
4.00pm	A case study: ACT emergency service agency high bandwidth mobile radio network. Economic and independent augmentation of PSMB <i>Mark Austin</i> — Director ICT and Capital Works, Justice and Community Safety, ACT Government <i>Ross Caston</i> — General Manager, DLES, Amber Technology Ltd <i>Dale Stacey</i> — Technical Director, SAT Pty Ltd	Transitioning local councils in to the IoT and LTE future: how digital radio systems are supporting and advancing councils across Australia <i>Rob Bellian</i> — Sales Director, Simoco Wireless Solutions	Changing the 4G and 5G RAN deployment economics paradigm with OpenRAN <i>David Cooke</i> — Regional VP, Pacific, Parallel Wireless
4.30pm	Maximising the effectiveness of legacy systems to prepare for the challenges of the future <i>Inspector Chris Fleckney</i> — Head, Radio Operational Support Metropolitan, Police Service	Building a voice and data capable TETRA network for oil and gas refinery company TATNEFT from scratch <i>Niaz Shakirov</i> — Business Development Manager, TISSCOM LTD, Russia	Next-Gen control room solutions in a converging LMR-LTE world <i>Ranjan Bhagat</i> — Vice President & General Manager, Zetron
5.00pm	Global mission-critical LMR and broadband standards progress — TCCA, ETSI and 3GPP supporting programs and international partnerships <i>Tony Gray</i> — Chief Executive, TCCA	Tower auditing using CSI techniques <i>Michael Ryan</i> — Principal ICT Consultant, Titan ICT	Low interference potential devices — what are they? <i>Noel Higgins</i> — Radio Communications Consultant, Analyse Solve & Test Pty Ltd
5.30pm	NETWORKING DRINKS — EXHIBITION HALL — sponsored by Wireless Innovation		
6.30pm	ARCIA ANNUAL INDUSTRY GALA DINNER — MCEC		

PLENARY – THEATRE 1			
9.25am	Welcome and opening remarks from the Chair: Chris Stevens		
9.30am	Plenary Address: Critical communications at the edge (revisited) <i>Peter Clemons — Chief Designer, Quixoticity Index/Global Advisor, Genaker</i>		
10.00am	Plenary Address: Critical communications, a continuing story <i>Alex Stefan — Principal, Public Safety Centre of Excellence, Telstra Enterprise</i>		
10.30am Morning Break — Exhibition Hall			
	THEATRE 1	THEATRE 2	THEATRE 3
11.00am	Public safety and emergency management How mission-critical AI can harness the data deluge <i>Paul Steinberg — Senior Vice President, Technology, Motorola Solutions</i>	Industry How airlines leverage SaaS and IoT networks for optimisation of airport ground support equipment, reducing costs and improving performance <i>Keith Oliver — Chairman, Blackhawk</i>	IoT — Technology Security and IoT — The things to be concerned about and best practice for protecting your business, your data, your sensors and your networks <i>Geof Heydon — Principal Consultant, IoT Alliance Australia</i>
11.30am	Next-generation Triple 000 — It's happening <i>Chris Beatson — Director, NSW Police Force - PoliceLink Command</i>	Developing technology to support communications in hazardous environments <i>Doug Bowden — Senior Business Development, Sepura</i>	The importance of trust preserving data sharing in the IoT context <i>Ghislaine Entwisle — Director, Protiviti</i>
Noon	Panel session: Next-generation Triple 000: the road ahead <i>Chris Beatson — Director, NSW Police Force - PoliceLink Command, Chief Richard Carrizzo — Board member, FirstNet/Southern Platte Fire Protection District, Kansas City, MO</i> Moderator: Chris Stevens — Managing Director, CartGIS	Correctly project engineering a radio network <i>Lawrence McKenna — Principal Engineer (Manager), Cumarsaid</i>	IoT panel session: Data sharing and security in an IoT world Panel: Ghislaine Entwisle — Director, Protiviti, Barbara Noonan — Head of Public Sector APAC, Nokia Networks and Solutions, Singapore, Victoria Lee — Vice President, The Public Safety Network Moderator: Geof Heydon — Principal Consultant, IoT Alliance Australia
12.30pm Lunch Break — Exhibition Hall			
1.30pm	Surf Life Saving TAS: Streamlining rescue services with radio dispatch <i>Greg Bird — Surf Life Saving Tasmania Communications Advisor</i>	Critical infrastructure and the value of collaborative communication prior to and during an emergency <i>Graham Manson — Director & Founder, International Resilience Group Pty Ltd (IRG)</i>	Analysing and improving IoT security using the OWASP Top 10 <i>Tom Isaacson — Systems Connectivity Engineer, Navico</i>
2.00pm	Remotely piloted aircraft from an idea to business as usual in the Melbourne Fire Brigade <i>Leading Firefighter David Rylance — RPAS Chief Remote Pilot, Metropolitan Fire and Emergency Services Board</i>	Nagpur Metro/Maha Rail — insights in to the project with current and future requirements and directions on LMR/broadband in India <i>Devdarsh Jain — Director Marketing, Consort Digital</i>	Overcoming the challenges of 5G data throughout <i>Steve Karandais — General Manager, Keysight Technologies</i>
2.30pm	Transitioning to a data-enabled world in a mission-critical environment <i>Station Officer Graham Tait AFSM — Operational Communications Systems Officer, Fire & Rescue NSW</i>	Hybrid technologies for critical messaging <i>Brad Welch — General Manager Asia Pacific, TPL Systems Asia Pacific</i>	Testing the network's fibre foundation to support 5G, IoT and smart cities <i>Jean-Baptiste Létang — Product Line Manager, EXFO</i>
3.00pm Afternoon Break — Exhibition Hall			
	THEATRE 3		
3.30pm	CLOSING PANEL SESSION: Critical communications: the next 10 years <i>We are clearly living through a process of digital transformation of modern societies and economies, which is changing the way we live, work and protect ourselves. As we move into a 5G era of hyper-connectivity of all people and all 'things', best-effort communications is no longer acceptable. In order to deliver secure, reliable, always-available services across a heterogeneous network of networks, the whole of society will need to come together to agree on a common framework and a common platform for service delivery. Commercial players will need to learn from critical communications providers in order to serve 'verticals' and the critical communications industry will need to open itself up to new, more open solutions and mindsets. Verticals will need to embrace interoperability, ensuring that big data is shared and delivered for downstream, real-time situational awareness and analytics. Collaboration and cooperation will inspire a common operating picture for sectors such as public safety, health utilities and public transport to evoke enhanced service delivery models. A lot is at stake over the coming decade, success is far from guaranteed and yet, failure is not an option.</i> <i>The critical communications community must embrace the new methodologies, technologies and paradigms of cloud, edge, automation, collaboration and continuous integration, development and deployment, but it must do so in a way that preserves and enhances the values of reliability, resilience and security that we hold dear. No sector or user group can go it alone during this new era. Critical communications has to be end to end, collaborative and based on trust. How can we move out of our silos and away from our old mindsets to create the better, smarter, safer world by 2030 that sometimes seems so far from reach?</i> Panel: Peter Clemons — Chief Designer, Quixoticity Index/Global Advisor, Genaker, Chris Goldsmith — Programme Manager, New Zealand Police, Tony Gray — Chief Executive, TCCA, Ellen Ryan — PSCR Deputy Division Chief and Open Innovation Team Lead, Ian Miller — Executive Officer, ARCIA Moderator: Chris Stevens — Managing Director, CartGIS		
4.30pm Conference closes			