

Tuesday, 14 October

(Additional fee applies — limited availability. Book with one- or two-day conference packages or individually. Prices are ex-GST.)

Pre-Conference Half-Day Workshops

ARCIA | Introduction to P25 Standards and Systems 9.30am-1.00pm

This course introduces the student to the P25 digital land mobile radio standard. Modules include a high-level overview of the P25 digital radio standard as a transmission medium including the TIA standards, modulation, vocoders and channel access.

An introduction to the P25 standard will be covered, including Phase 1 & 2, conventional and trunked systems, encryption and system components (eg, RFSS, ISSI, CSSI, etc). The information is introductory in nature and designed for all audiences; however, a basic understanding of radio communications would be beneficial.

Presented by: Chris Stevens | Managing Director CartGIS and Vice-President ARCIA

With conference package - \$449
Workshop only - \$499

ACCF | Advancing Critical Communications for a safe and more connected world – a Roadmap of development and innovations of standardised critical LMR, LTE/4G, 5G, Satellite communications 9.30am-12.45pm

Again, this year, as part of the Comms Connect Melbourne event the TCCA and its Australasian Critical Communications Forum (ACCF) chapter, will hold pre-conference workshops. The Australasian region is a significant market for critical communications and, as in other regions, technology developments and user requirements in digital critical LMR, LTE/4G, 5G and Satellite communications are driving change in critical solutions and innovations impacting the Australasia and Oceania region, augmenting well established narrowband networks with critical broadband capability. The AM workshop include presenters from Frequentis, Tait Communications, Airbus, Ericsson and GSMA 5G APAC with topics and case studies that include:

- LTE/DMR Integration
- M/C MCX Solutions
- Hybrid MCX, LMR and Satellite connectivity
- 5G Digital Transformation Across Industries
- Next Generation Communication and Control Rooms
- Q&A Session

With conference package - \$249
Workshop package - \$299

A free complimentary on-line training course "Broadband Radio Systems for Critical Communications" is included with your registration, provided by the Critical Communications Institute (CCI), a TCCA and Wray Castle training partnership. This free complimentary training course consists of 5 modules: Cellular Networks Evolution, LTE 4G, 5G and Private Networks. See more <https://tcca.info/about-tcca/tcca-resources/training/> and www.wraycastle.com/cci

ARCIA | Designing and Planning Microwave Networks
1.30pm-5.00pm

Whether you are new to microwave and planning fundamentals or you are looking for a refresher, this workshop will provide you with an up-to-date overview on microwave radio planning that will assist you in planning and deployment efforts. This is an interactive session where you will also have the opportunity to ask questions on all things microwave during this live session.

The workshop will cover:

- Microwave Fundamentals
 - Transmission Line
 - Pathloss
 - Fresnel Zones
 - Water and Flat Earth
 - Important Equations
- Availability and Performance Objectives
- Industry Myths – Getting back on track
- Using planning tools to bring it all together
- Q&A

Presented by: Eddie Stephanou | Regional Technical Manager
AU/NZ & Pacific, Cambium Network

With conference package - \$449

Workshop only - \$499

**ACCF | Advancing Critical Communications for a safe
and more connected world – Progress in
development and deployments of critical LMR,
Broadband deployments and roll-out of networks
around the globe**
1.30pm-5.00pm

This PM Workshop organised by TCCA/ACCF covers the development and deployments of critical Broadband around the globe where standardisation and certification bodies, vendors, integrators, operators and government agencies are working towards augmenting well established narrowband networks with critical broadband capability. These developments and innovations are driving change in critical LMR and Broadband solutions impacting Australasia and Oceania region. The PM workshop will share local and international experience and expertise to understand the future directions of standards based critical communication solutions through the workshop presenters and panel discussions from the Critical Communications Broadband Group, NBN, Etherstack, GSMA, ETSI, GCF, EUCCS, Govt agencies and TCCA that include:

- 3GPP Standards developments and Releases
- Conformance and Certification (GCL)
- Interworking Function (IWF) – LMR/Broadband
- Critical infrastructure – Industrial Sector
- Building Everyday Communications Reliance
- Global Update Govt Public Safety Operators

With conference package - \$299

Workshop package - \$349

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