

TETRA and Critical Communications Association (TCCA)

Phil Kidner CEO TCCA

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A GLOBAL INITIATIVE

TCCA

- Originally (in 1994) the TETRA MoU Association Ltd
- Later became the TETRA Association
- 160+ member organisations – drawn from industry, government and commercial operators, and users
- With the purpose of marketing the ETSI TETRA standard for critical communications users – there are now over 3,000,000 active critical communications users in over 130 countries worldwide.
- And driving its ongoing development – a Board and 10 active working groups
- And providing an interoperability and certification process – currently 19 manufacturers participate in the process which has driven up functionality and driven down prices
- In 2012 we became the TCCA – to also manage the evolution of TETRA and other technologies, towards broadband for global critical communications users

The Critical Communications Broadband Group (CCBG) is a Working Group of the TETRA & Critical Communications Association (TCCA)



The TCCA

Critical Communications Broadband Group (CCBG)

Working towards the future of Critical Broadband Services

TETRA + Critical Communications Association



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What is the CCBG?

- The TCCA's Critical Communications Broadband Group (CCBG) is working with other stakeholder groups worldwide to:
 - drive the standardisation of **common, global, mobile broadband technology solutions based on LTE** for Critical Communications users.
 - lobby regulators etc. for **appropriate - & as far as possible harmonised - spectrum** for deployment of Critical Communications LTE networks.
- Thus the CCBG's goals are to:
 - enable all Critical Communications users to access their information systems, apps. etc. **reliably & at broadband speeds on their professional mobile devices** - wherever they are & whenever they have the need.
 - ensure that future Critical Communications broadband solutions meet the **particular needs of Critical users** - just as reliably as today's voice & narrowband data services are delivered by current technology, e.g. TETRA.



Technology Standardisation

- CCBG is supporting the development of *fundamentally required* features for critical broadband applications in future standards releases, e.g. for:
 - Group working
 - Direct mode
 - Resilience & security
 - Speech as well as data services
 - etc.

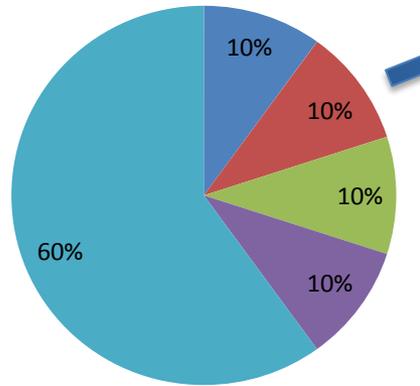


Stakeholder collaboration

- CCBG participants include:
 - user organisations, national administrations, operators, standards & regulatory bodies, equipment manufacturers & suppliers, consultants, etc..
 - all members of TCCA are entitled & encouraged to participate
- The list of CCBG's collaborative & cooperative relationships with other stakeholder groups globally is continually growing, e.g.:
 - UIC (European rail)
 - E-UTC (European utilities)
 - NPSTC & NIST (USA)
 - CITIG & CATA (Canada)
 - PSC-E (European public safety)
 - APCO Global (Australasia, etc..)
 - and so on...

- **NEW!** The Standards Coordination Umbrella Group (SCUG):
 - SCUG is a TCCA / CCBG initiative for informal collaboration and cooperation between stakeholder groups globally with common interest in critical broadband standardisation
 - Initial SCUG participants include:
 - TCCA CCBG
 - ETSI TC-TCCE
 - BDBOS (German Government)
 - Home Office ESMCP (UK Government)
 - Ministry of Interior (French Government)
 - NPSTC / PSCR (USA - FirstNet)
 - APCO Australasia
 - Centre for Security Science (Canadian Government)

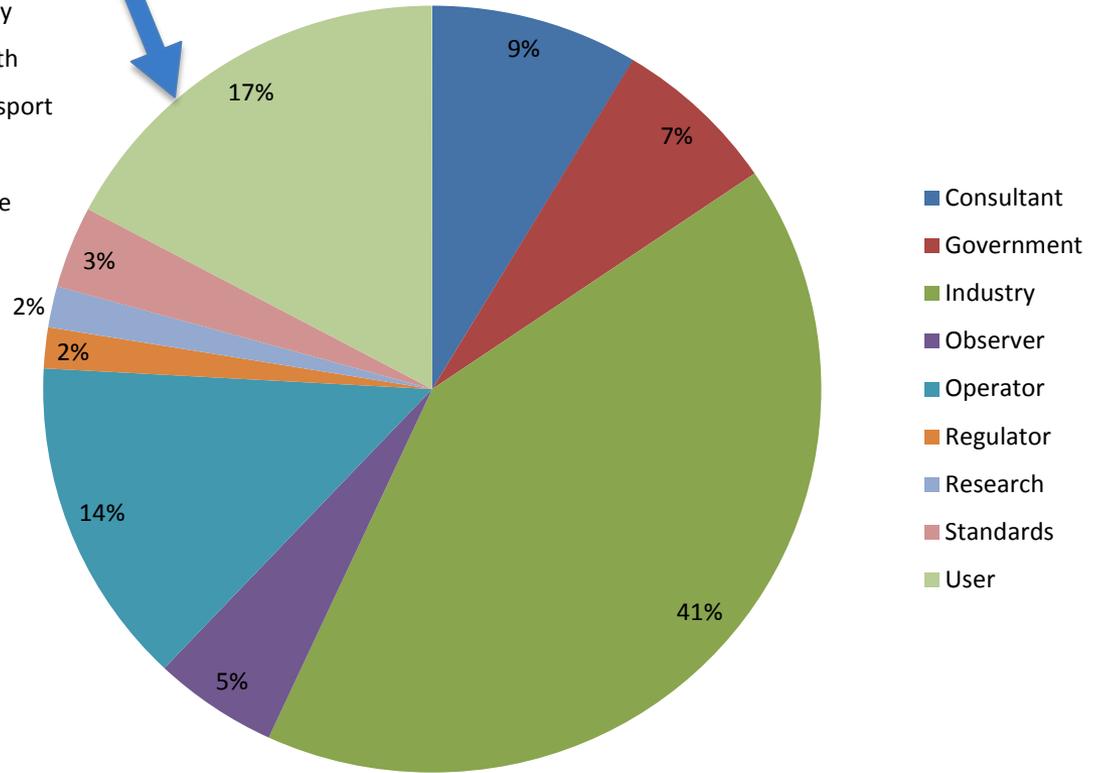
CCBG Participants



Representative range of user types

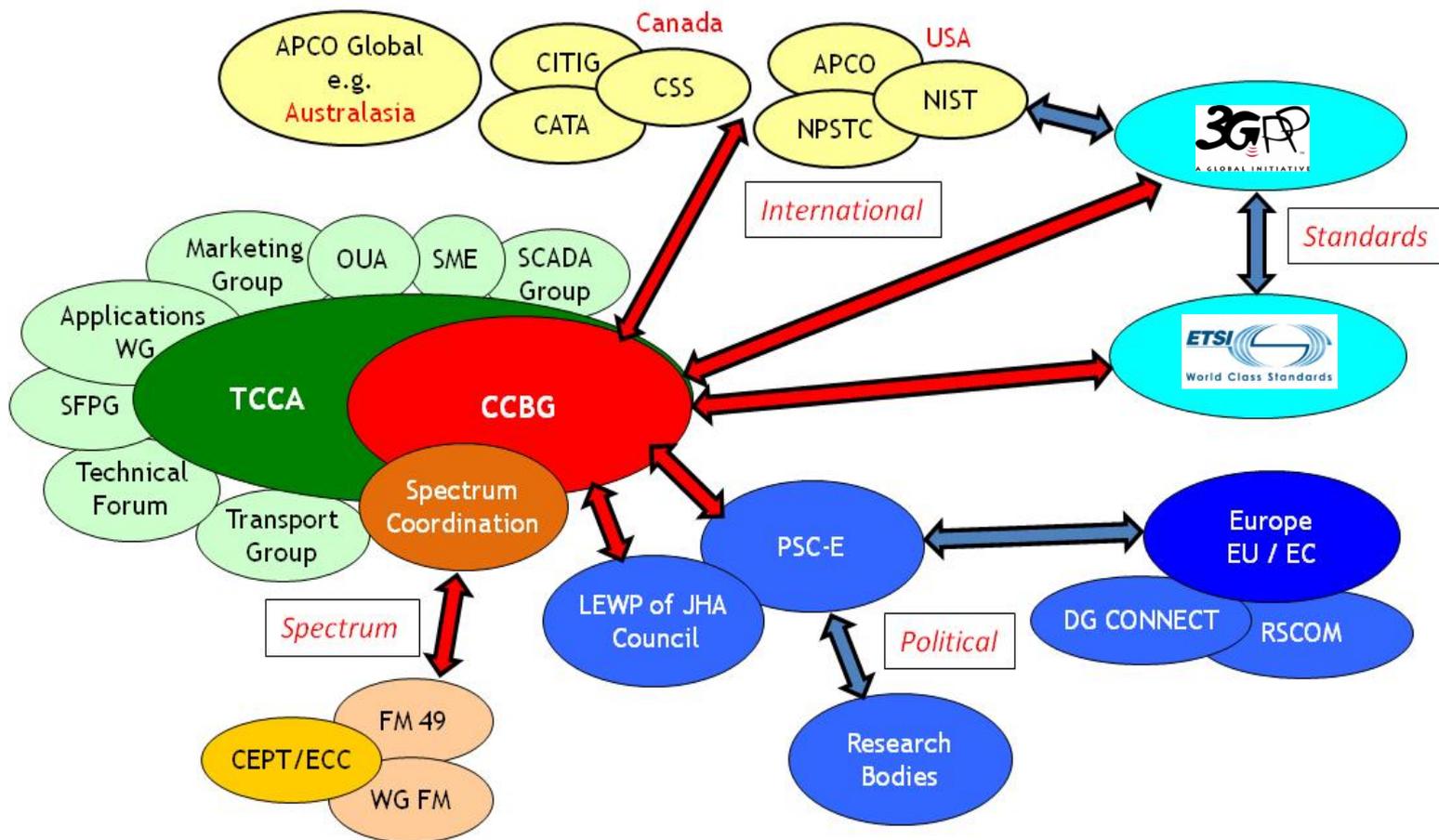
- Utility
- Health
- Transport
- Fire
- Police

Over 60 participating organisations



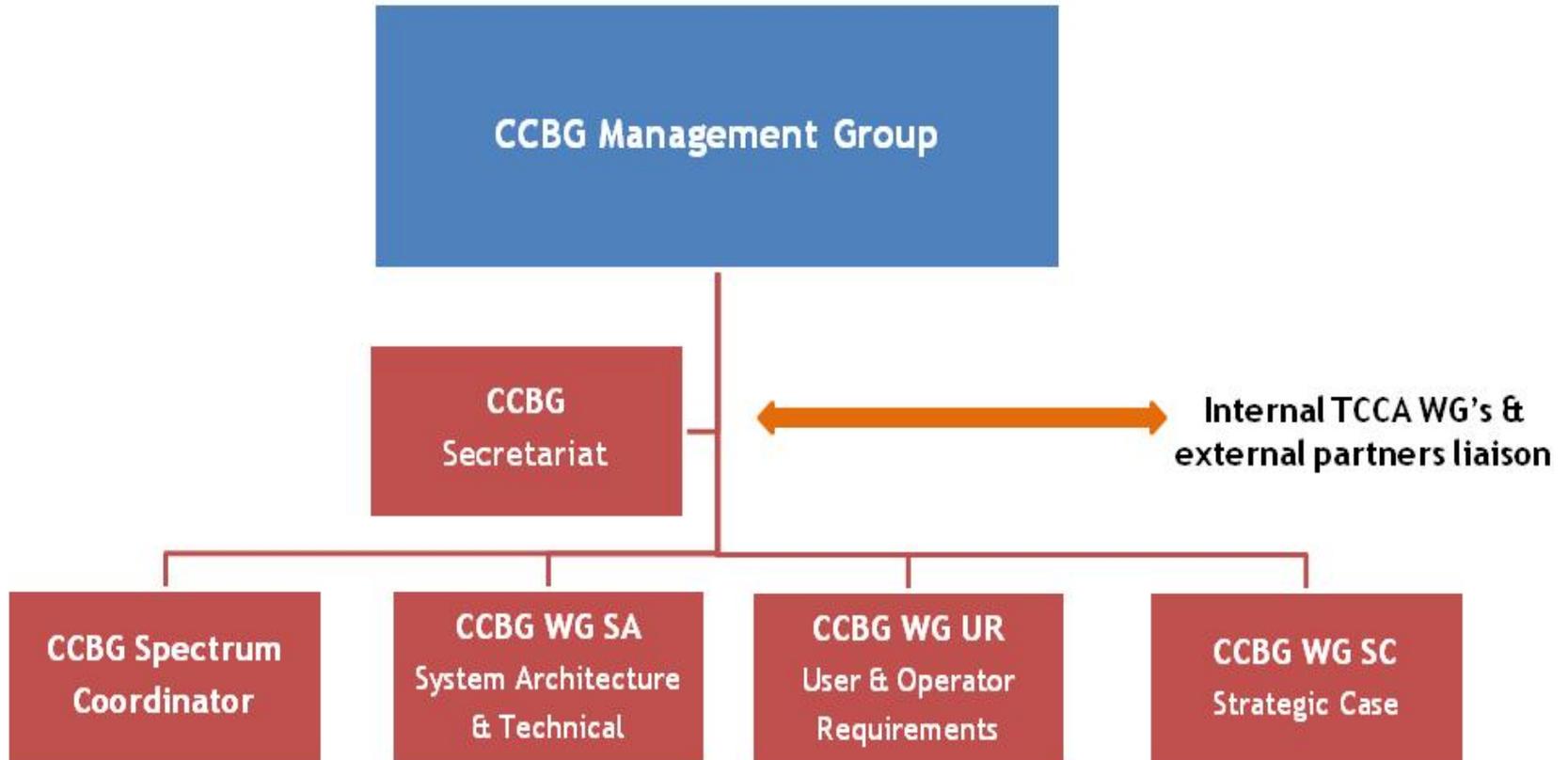
- Consultant
- Government
- Industry
- Observer
- Operator
- Regulator
- Research
- Standards
- User

External Relationships



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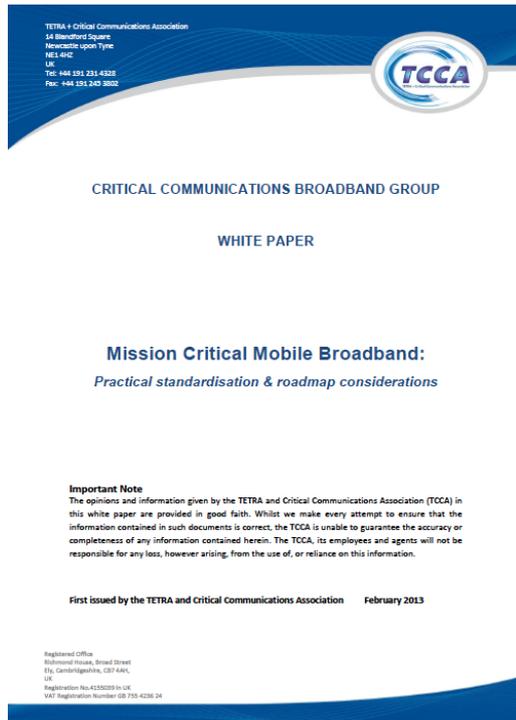
Doing the hard work





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CCBG Publications



- **White Paper:**

- Information & guidelines for users, operators & others considering implementing mission critical mobile broadband services.
- Sets out predicted timeframe for availability of suitable standards & equipment.
- Outline roadmap for LTE as a technology evolution for TETRA & other existing mission critical systems.
- Download today at:
www.tandcca.com/Library/Documents/CCBGMissionCriticalMobileBroadbandwhitepaper2013.pdf

- **Coming Soon...!**

- **“Strategic Case”**: *Why CMB? What’s the value?*
- **“Implementation Options”**: *What are the delivery alternatives? What are their pros and cons?*

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