

Building a Critical Communications Community

Roger Kane –Co-Chair Australasian Critical Communications Forum

Agenda

- A Short History
- The case for a Critical Communications Community
- Building Blocks

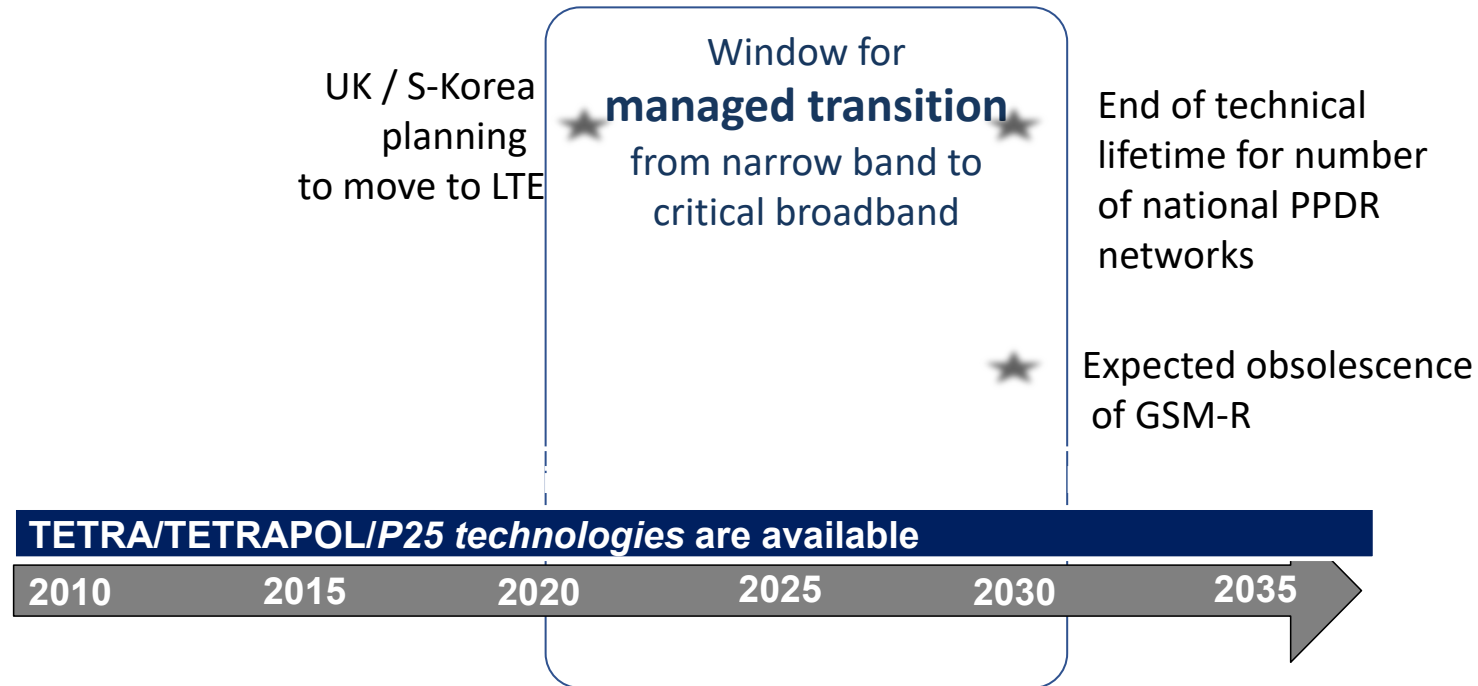
Some History-2015

- Productivity Commission Draft Report
- Popular view of Critical Comms and Mobile Broadband centered around PSMB
- Excitement around PSMB for
 - Interoperability
 - Rich Data
 - Cost
- Varying Perspectives on Implementation
 - Build Parallel Networks
 - Switch On and Switch Off
 - Green Field
 - Managed Transition

Sometimes seen as a battle



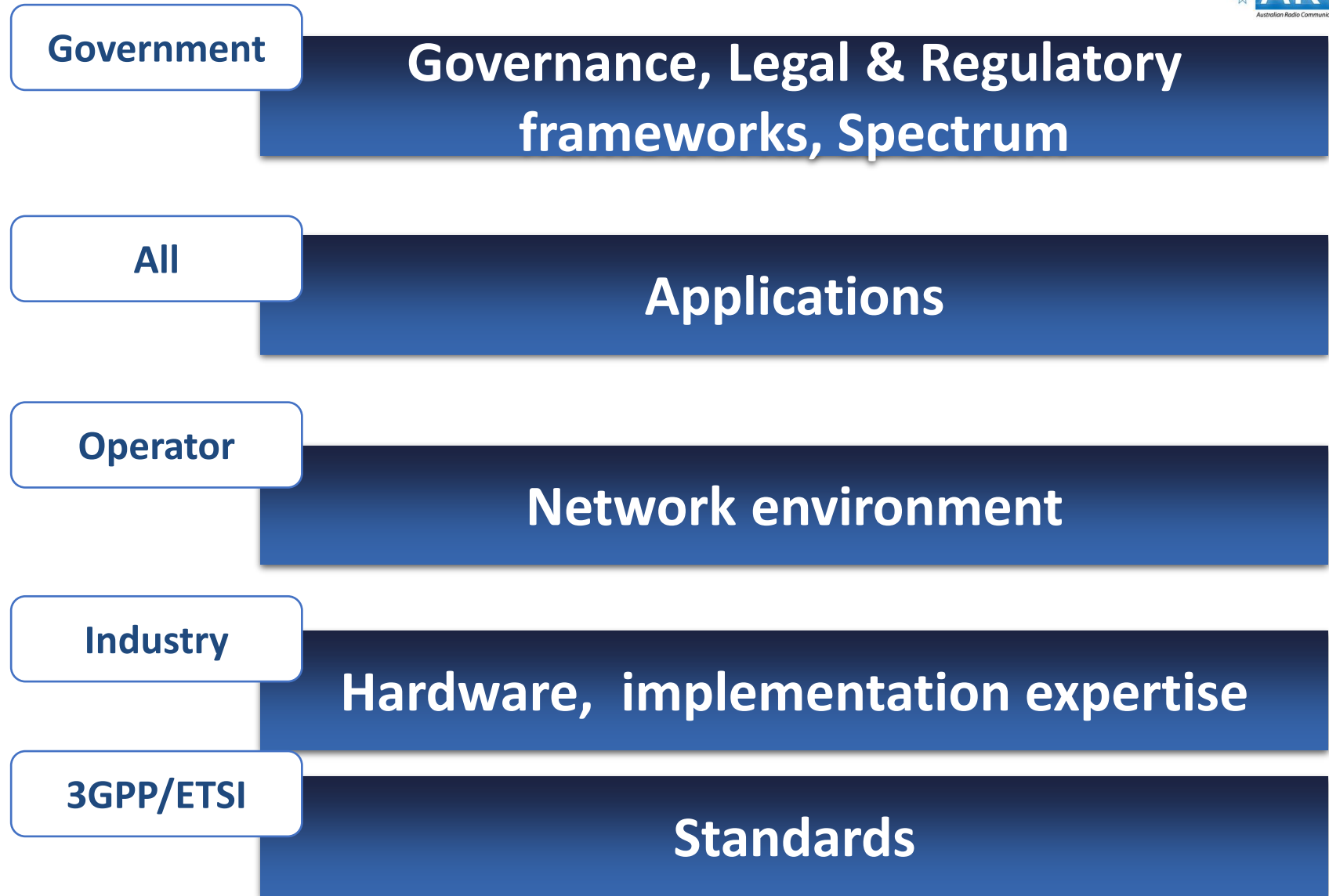
2020 – Managed transition



Mobile Broadband Era -Opportunity

- Applications extend beyond PSMB to all Critical Comms Users
 - Mining
 - Utilities
 - Transport
 - Manufacturing
 - Agriculture
 - & More
- Increasingly diverse ecosystem requirements

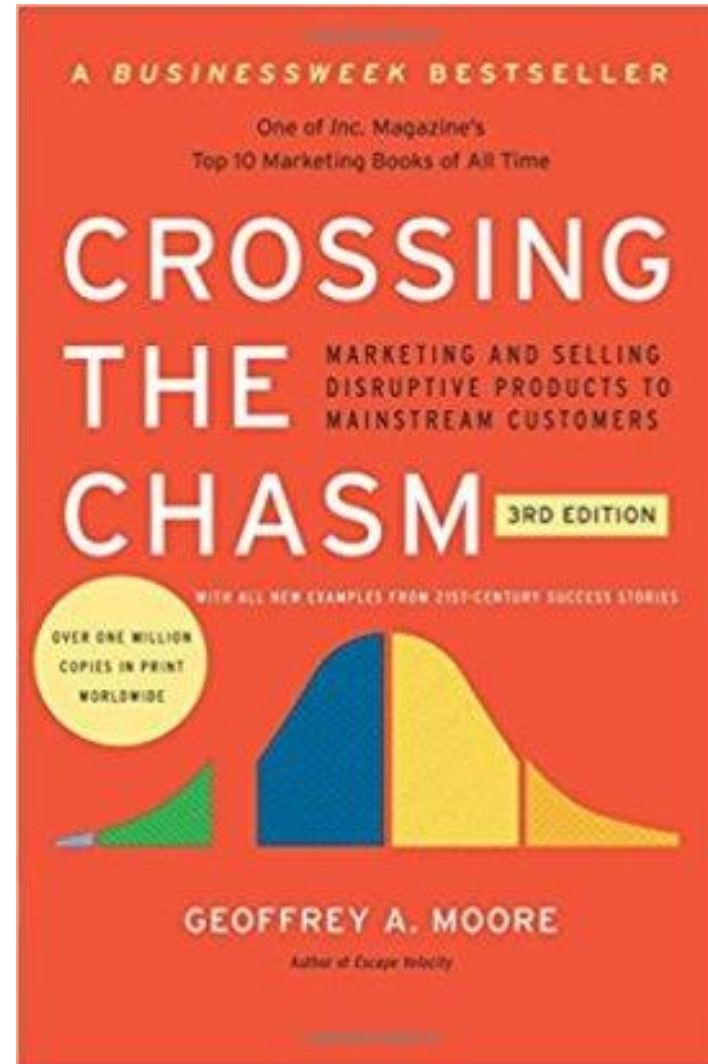
Some
common
eco-system
layers



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- **The case for a Critical Communications Community**
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Allocation of Resources Involves Risk



Willingness to Invest Depends on Return



Willingness to Invest Depends on Return



Some key resources

- Spectrum



- Financial Investment

- Intellectual Capital





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Local Community Activity

- ARCIA Leadership on ACMA Consultation supported by others
- ACCF and ARCIA training on key technology issues
- Bitesize Webinars to introduce key topics in Critical Comms
- Global Speakers for Comms Connect Conferences
- Support for Australian Critical Comms users to display at Overseas Conferences

Building a Global Community



Supporting open and standardised **mobile critical communications technologies** and complementary applications.



Catalysing **competitive multivendor markets** worldwide through open standards and harmonised spectrum.



Members are end users, operators, industry and other stakeholders globally sharing knowledge and experience.



Collaborative working across the critical communications ecosystem to develop and drive the most effective solutions for all.



Building a Global Community



We support open and standardised mobile critical communications technologies and complementary applications.



3GPP Market Representation Partner.
Catalysing competitive multivendor markets worldwide through open standards.



We operate through working groups such as CCBG with Broadband focus, SFPG for security as well as dedicated groups for stakeholders



Collaborative working across the critical communications ecosystem to develop and drive the most effective solutions for all.



Building a Global Community



Information exchange

- Sharing of experiences, highlighting challenges, forming common view

- Governments
- Public Safety operators
- Verticals
- Vendors
- ...

Task Forces

- Volunteer projects to address common interest and challenges

- Ability seek for best expertise to each task force for a limited period of time
- No need to try to solve everything alone

Partnering

- Co-operation for common good in critical communications sector

- Within TCCA
 - **New: Legal and Regulatory Working Group**
- Public Safety LEWP-RCEG, PSRG, ...
- Standardisation ETSI, 3GPP
- Certification GCF, ETSI
- Verticals EUTC, 450 MHz alliance, UIC, ...



CCBG Task Forces



• Just published

- What role will 5G play for Critical Communications users?
- Mission Critical Broadband Device Procurement
- PPDR Band 68/28 Market Opportunity & Ecosystem

- + Control Room integration guideline
- + Top Ten Considerations for Utilities Transitioning to New Bearers

• Closing finalisation

- Broadband opportunity in 400 MHz
- Mission Critical Broadband Applications
- Device API Integration

• Launching

- Mission Critical Broadband Callout
- Massive MC video
- Critical Communications requirements for satellites
- Critical Communications Cyber Security

- + WRC23 position forming

Benefits of membership



Privileged access to knowledge, expertise and information



Opportunity to participate in and influence TCCA's work, and contribute to publications and reports



Access and discounts for TCCA events such as Critical Communications World series



Web, social media and print channels for updates, promotion etc.

Building a Critical Communications Community Summary



- Critical Communications
Broadband Era



- Success through
Co-operation



- Address challenges
Locally & Globally



Work Together-Win Together!

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