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Contact:	Phil Kidner
Agenda Item:	7.4



TCCA Activities and issues for the Global Community

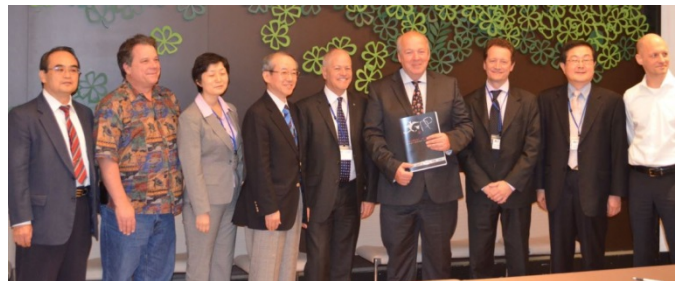
Phil Kidner CEO TCCA

GSC-18 Meeting, 22-23 July 2014, Sophia Antipolis, France

WHO IS THE TCCA ?



- *Created 20 years ago to promote the ETSI standard TETRA*
- *Created and operates the TETRA Interoperability testing and certification process. A key element in the success of TETRA*
- *Wide range of other activities from control rooms to applications*
- *Since 2012 has become a leading organisation in the evolution of TETRA and other current technologies towards mobile broadband for critical communications*
- *Market Representation partner of 3GPP*



GSC-18, 22-23 July 2014, Sophia Antipolis

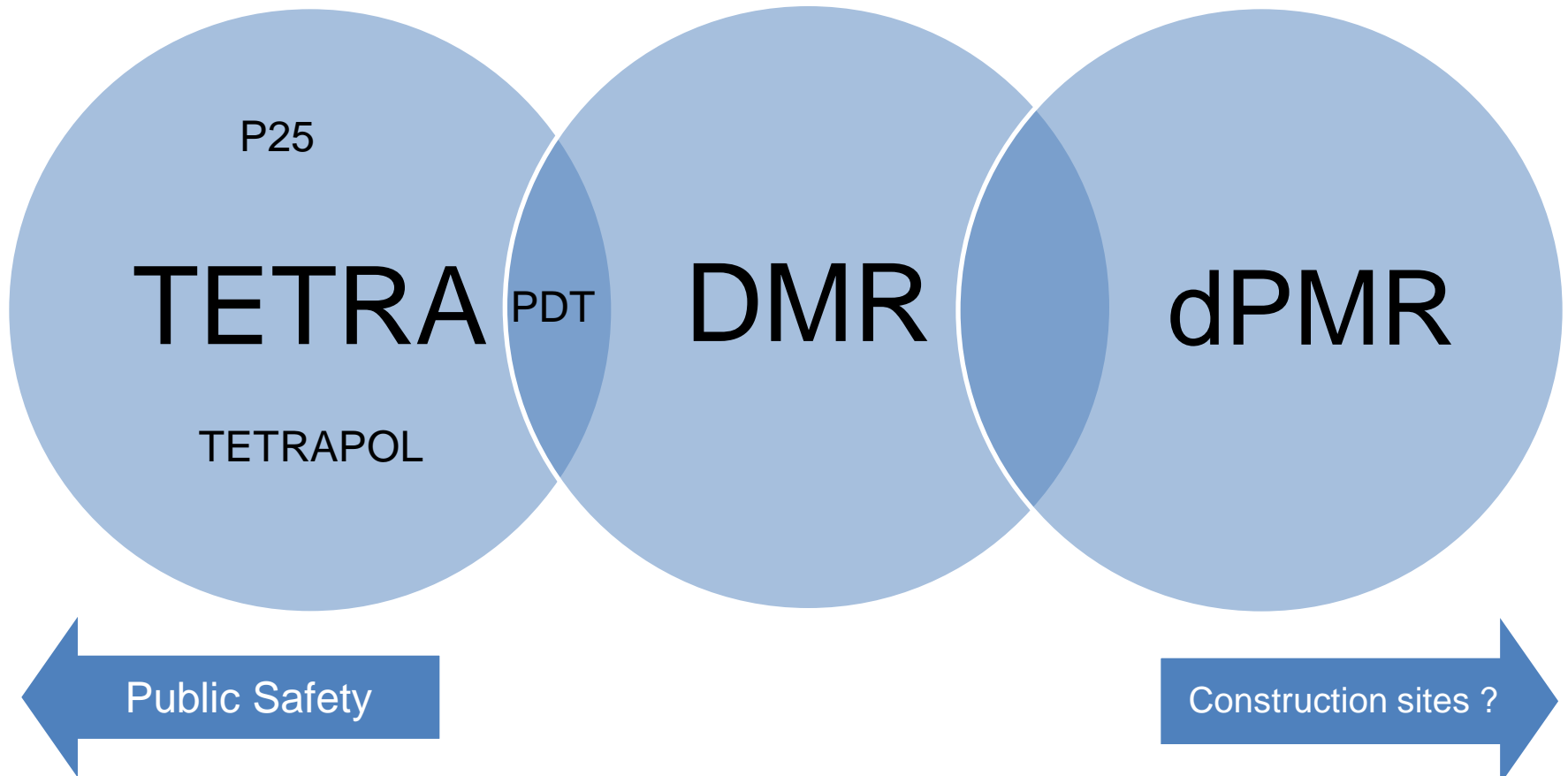


THE CURRENT CHOICE FOR PMR USERS



Not public networks

Not proprietary technologies



WHY DO THEY CHOOSE TETRA ?



- ✓ *Maturity with ongoing development*
- ✓ *Functionality and quality*
- ✓ *Spectrum efficiency*
- ✓ *Interoperability*
- ✓ *Lifetime costs and lifetime benefits*



WHAT IS THE PRESENT POSITION ?



- *Over 3,150,000 critical communications professionals using TETRA today*
- *2013 saw another increase in terminal shipments over 2012 which had been the most successful year **EVER** with almost 600,000 new and replacement terminals being shipped*
- *Upward trend continuing with over 4,000,000 active terminals by 2017*
- *The TETRA infrastructure and System Integration market is projected to be worth over \$700 million in 2014*
- *The TETRA Infrastructure market is projected to grow at 7-8% between 2013 and 2014.*



WHAT IS THE FUTURE FOR TETRA ?



A word cloud of blue text arranged in an arc. The most prominent words include 'FIRE', 'EVENTS', '2020', 'POLICE', '2030', 'MISSION', 'AMBULANCE', 'AIRPORT', 'RISK', 'INCIDENT', 'DATA', 'CONTROL', 'GROUP', 'INDUSTRY', 'DNO', 'COMMAND', 'METRO', 'USERS', 'DATABASE', '2035', 'RISK', 'CRITICAL', 'RESPONSE', 'OIL & GAS', 'IMPACT', 'ENERGY', 'FLOOD', 'UTILITIES', 'RAIL', 'RAPID', 'RAIL', 'AGENCIES', 'DEFENCE', 'GOVERNMENT', 'VOICE', 'SERVICES', 'TRANSPORT', 'SECURITY', 'RAPID', 'MANAGEMENT', '2025', 'POLICE', 'RISK', 'CONTROL', 'COMMAND', 'METRO', 'USERS', 'DATABASE', 'MISSION', '2035'.

TETRA

A word cloud of blue text arranged in an arc, mirroring the top one. The most prominent words include '2030', 'POLICE', 'INCIDENT', '2020', '2015', 'FIRE', 'MISSION', 'DATABASE', 'USERS', '2035', 'METRO', 'AIRPORT', 'AMBULANCE', 'CONTROL', 'UTILITIES', 'RAIL', 'RAPID', 'RAIL', 'AGENCIES', 'DEFENCE', 'GOVERNMENT', 'VOICE', 'SERVICES', 'TRANSPORT', 'SECURITY', '2020', '2015', 'FIRE', 'VOICE', 'DEFENCE', 'DATA', 'AGENCIES', 'MANAGEMENT', '2025', 'GROUP', 'INDUSTRY', 'DNO', 'COMMAND', 'CONTROL', 'METRO', 'USERS', 'DATABASE', 'MISSION', '2035'.

WHAT ARE THE MAIN CHALLENGES TODAY ?



- *Other ETSI standards !*
- *Consumer communications*

TETRA



WHAT IS CRITICAL COMMUNICATIONS ?



BIRTH OF THE CCBG



- *CCBG Objectives:*

- *To create a common standard for Mission Critical Broadband for use worldwide*
- *To achieve harmonised spectrum for the users of critical communications*
- *To maintain an open and competitive market*



STANDARDS



- *Standardisation has been a key element in the success of TETRA. The Association is keen for that to continue into the future*
- *Not a standards body*
- *Support the work of ETSI through Working Group TC TCCE*
- *Market Representation Partner*
- *Pre-standard and other proprietary offerings*
- *Multiple standards !*
- *SCUG*



SPECTRUM



- *Public systems are not the answer*
- *A particular challenge in Europe*
- *Below 1 GHz*
- *Benefits of common frequencies*



INTEROPERABILITY



- *Critical communications is a niche market*
- *GSM-R is not the model*
- *A major element in the success of TETRA*

Klicken Sie, um

TETRA ASSOCIATION ISCTI

TETRA Interoperability Certificate

**Rohill, TetraNode, SwMI
Piciorgros, TMO-100, Terminal**

Hoogveen, May 2010

Latest Certified SwMI SW Release:	R 3.0	Latest Certified Terminal SW Release:	1.50
Latest Certified SwMI HW Release:	R 2.2	Latest Certified Terminal HW Release:	2

ISCOM (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) certifies, that the Rohill, TetraNode, SwMI and the Piciorgros, TMO-100, Terminal have been subject to interoperability testing for the "certified" features listed on the second page of this certificate. In accordance with the TETRA Interoperability Profiles, TIP compliance Test Plan and the related TETRA interoperability requirement tables. The table lists all the available TETRA interoperability profiles, and summarizes the main functionalities of every profile according to the TETRA interoperability requirement tables. A feature is "certified" when it has been successfully tested during the last test session with one of the testing method described in the TETRA process document part 1 (TPO001). A breakdown into the feature details is given in the Feature Compliance Overview section of this certificate. Detailed test results and explanation about the procedure used to provide verdicts are listed in the Test Report associated to the Certificate.

IOP test engineer
Roberto Faroo

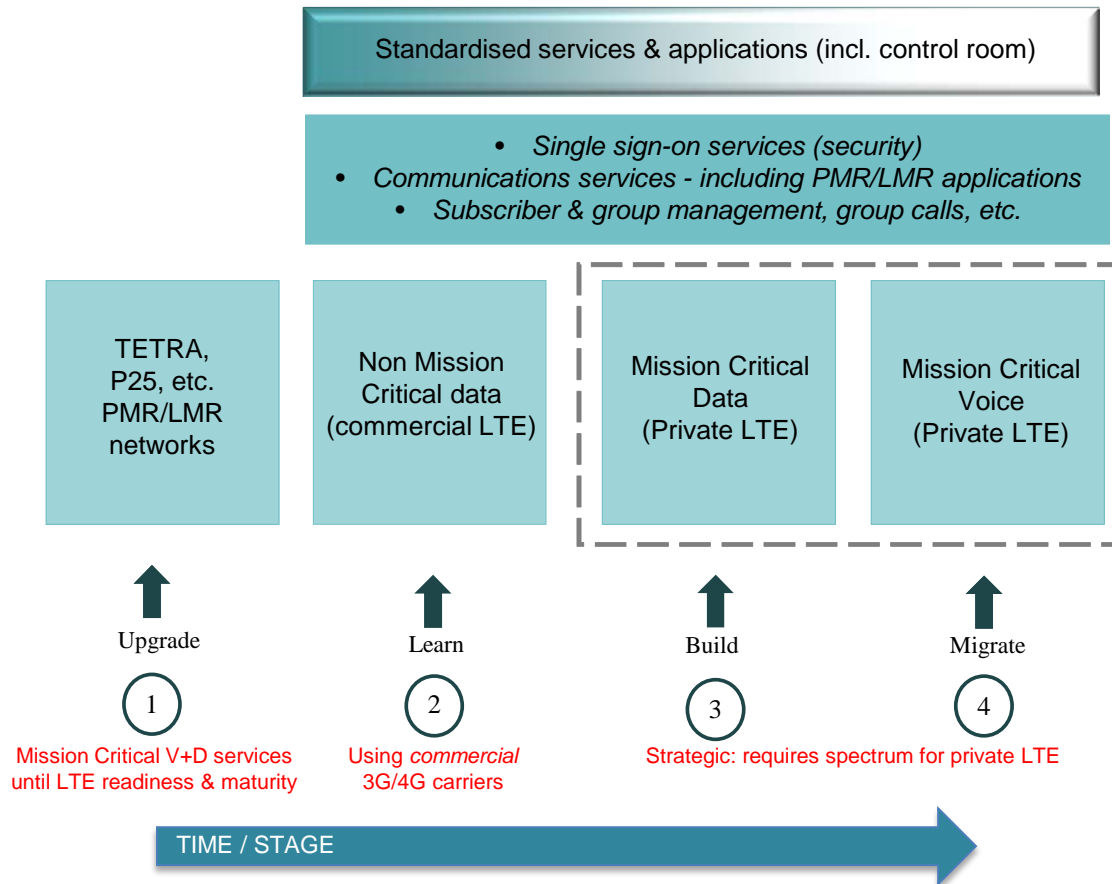
Radio Office Manager
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Date of Issue:
6 October 2010

Test Session: Rohill, Hoogveen, May 2010
Rohill, TetraNode, SwMI - Piciorgros, TMO-100, Terminal 1/5 ISCTI - info@iscti.com

THE WAY FORWARD



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TCCA Critical communications for all professional users

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Quick links

- How to join
- The Members
- Pocket Guide
- Member log in

TETRA

3rd INTERNATIONAL TETRA AWARDS

Interviews with Phil Godfrey

TCCA

Critical Communications Group (CCG)

This is the first meeting of the CCG working group. It is open to Members and non-members. Please register if you will be attending. Please note that this is meeting is not a workshop but a working meeting to structure and initiate work items for the ongoing activities of the CCG.

Meet the Members

TETRANED

Next 3 events

- Critical Communications Group (CCG) 13 Mar 2012 >>> www.tandcca.com
- British APCO Annual Exhibition and ... 16 Apr 2012 >>>
- Counter Terror Expo 16 Apr 2012 >>>

Find TCCA also on:

- LinkedIn
- Facebook www.facebook.com/tandcca
- Twitter @tandcca
- YouTube www.youtube.com/user/tandcca

Sepura's STP8X- the CASSIDIAN signed a new Axell Wireless Launches