



Public Safety Communication Europe Forum

Broadband WG Report

Rome November 29th, 2012
www.psc-europe.eu

Overview

- Cooperation with TCCA CCBG on Broadband communication
- Creation of an FP7 proposal EPISECC

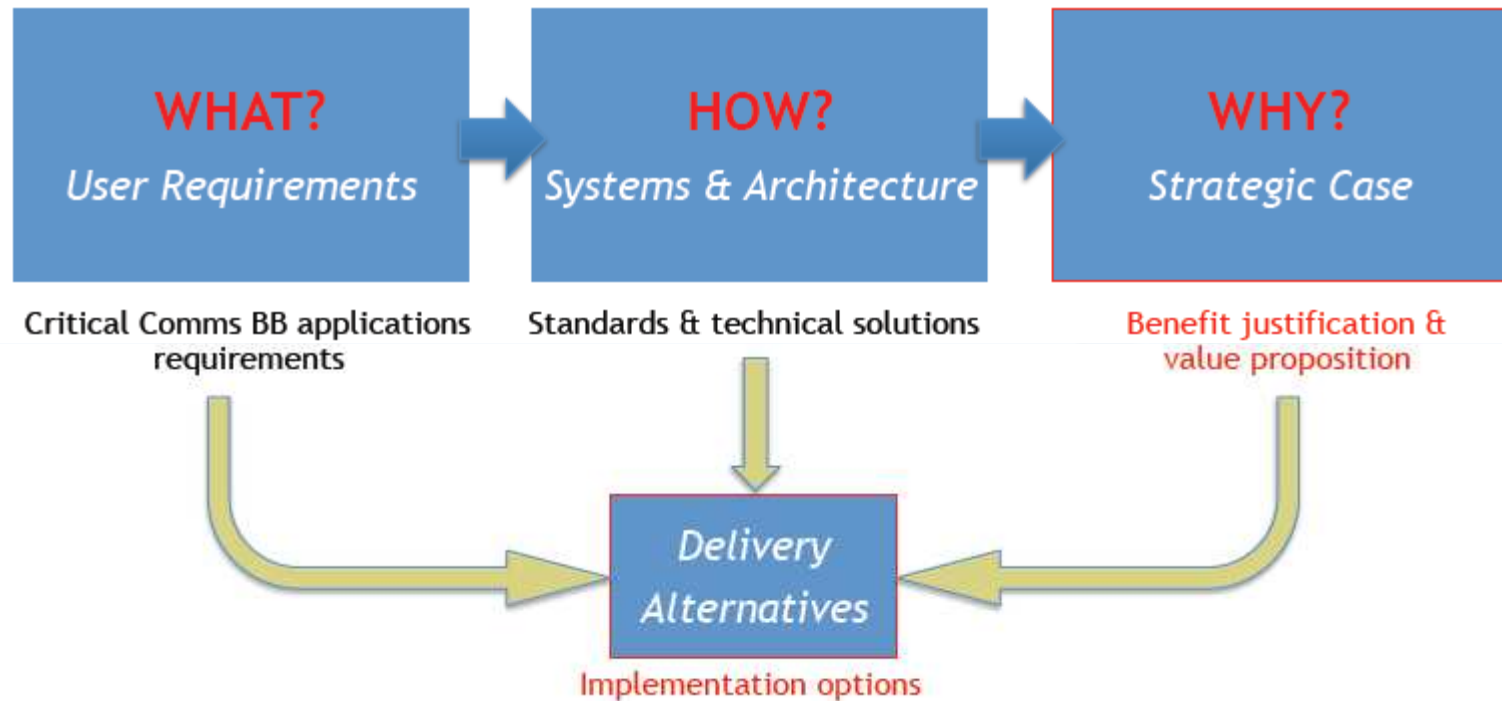




Introduction

- Broadband communication becomes essential for public safety services
- PSCE works closely with TCCA CCBG (Critical Communication Broadband Working Group)
- PSCE Representatives in CCBG:
 - Manfred Blaha
 - Harold Linke

CCBG - Structure



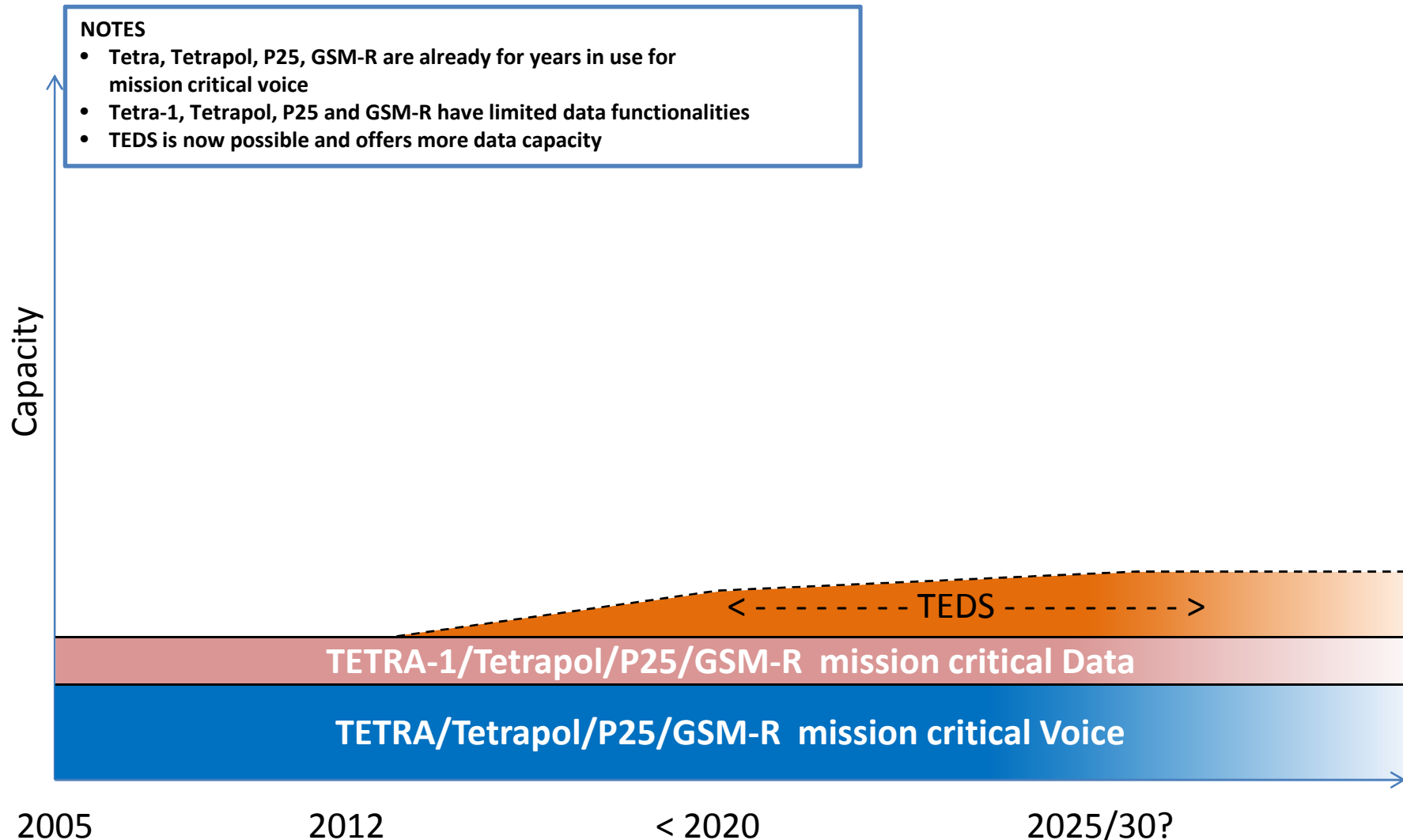


Roadmap Timescales

Based on practical implementation of a harmonised European solution

NOTES

- Tetra, Tetrapol, P25, GSM-R are already for years in use for mission critical voice
- Tetra-1, Tetrapol, P25 and GSM-R have limited data functionalities
- TEDS is now possible and offers more data capacity



2005

2012

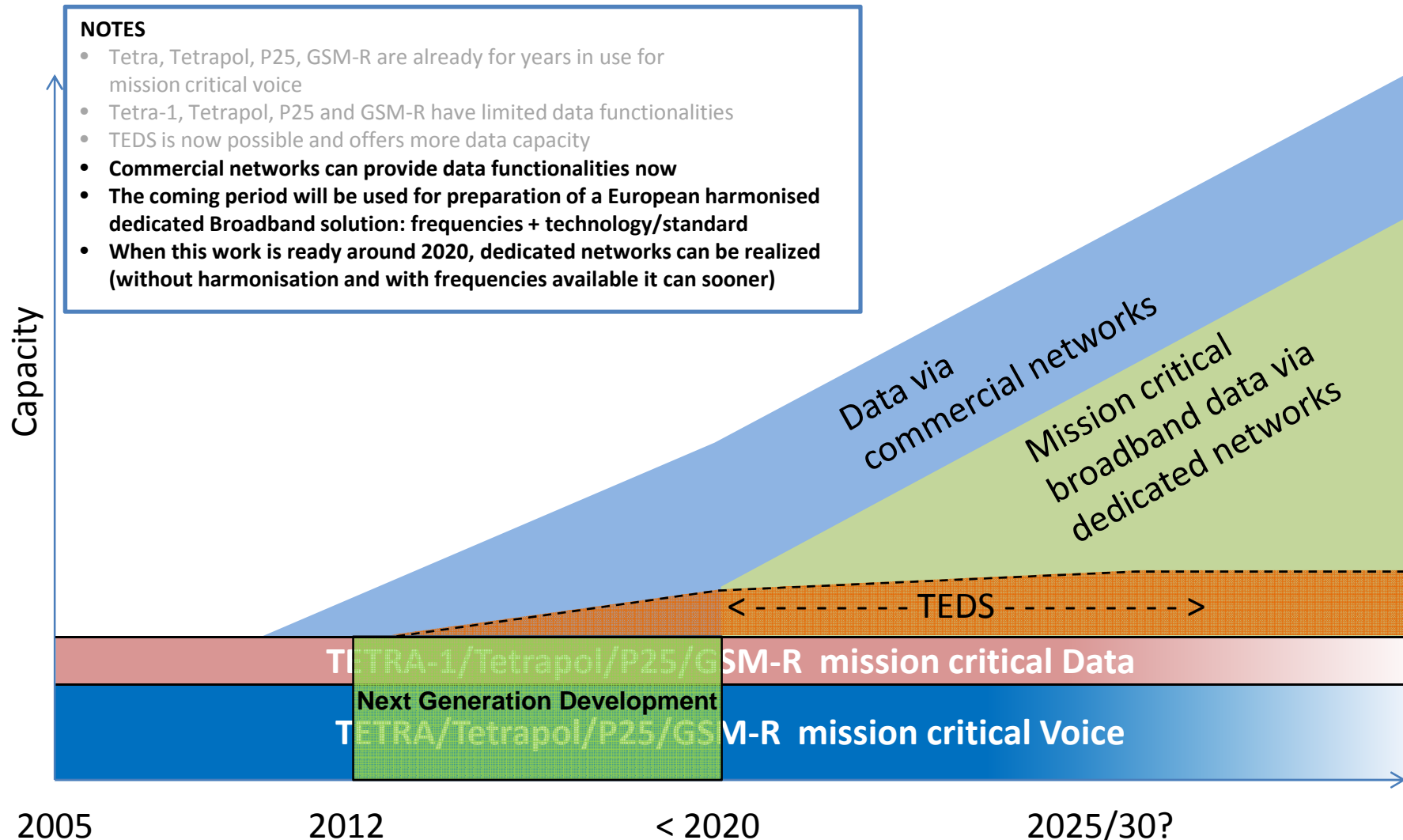
< 2020

2025/30?



Roadmap Timescales

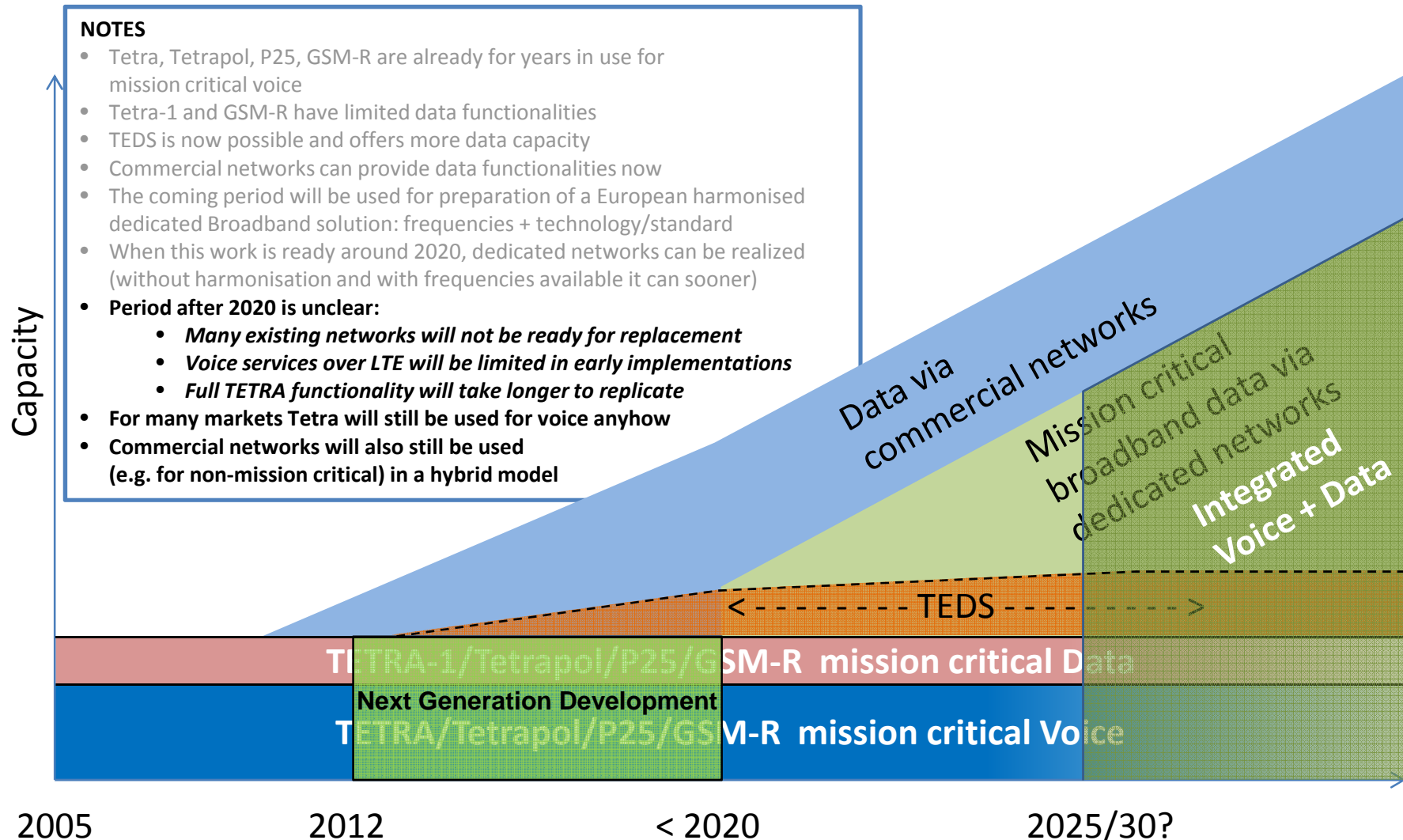
Based on practical implementation of a harmonised European solution





Roadmap Timescales

Based on practical implementation of a harmonised European solution





User Requirements SubGroup

- Representing the users + operators in the CCBG
- Collecting the different URS documents from the different existing (user/operator) platforms (mainly Police !!!)
- **Impact of the new developments on applications**
 - future: social media, app's, multi-media, etc.
- Workshop with PSC-E with universities etc could be interesting

Systems & Architecture Subgroup

- Working on the network architecture
- LTE adopted as the broadband technology for PPDR
- Working closely with 3GPP to introduce the requirements of PPDR
- Defined use cases for 3GPP
- Spectrum Discussions – Presentation by Jeppe
- New Work Items defined and accepted
 - Group Communication System Enabler for LTE
 - Proximity Services

Issue: Boundary line between Application and 3GPP domain needs to be defined





Updated 3GPP Work Items and Feasibility Studies status

- Group Communication System Enablers for LTE (SA1 WI)
 - WI and TS completion : 25%
 - A second Ad Hoc meeting with 3GPP SA1 will take place in January (Prague)
 - A third one is likely to be needed in March/April
 - Exception will be requested to 3GPP SA to expand until June 2013 (vs March)
 - objective is to keep GCSE in Release 12 scope
- Proximity Services (SA1 FS)
 - WI has been approved by 3GPP SA1 to seek Plenary 3GPP SA approval in December
 - WI includes Discovery and Communications over E-UTRA
 - within network coverage (limited to the cases under continuous operator network control)
 - outside network coverage (PS only)
 - Objective is to have ProSe in Release 12 scope



FP7 proposal EPISECC

- PSCE Broadband working group and TCCA CCBG initiative
- Security call
- Open since: July 10th
- Submission Deadline: November 22nd , 2012
- Topic SEC-2013.5.1-1
- Analysis and identification of security systems and data set used by first responders and police authorities
- **Proposal:**
Establish Pan-European Information Space to Enhance seCurity of Citizens - EPISECC



FP7 proposal EPISECC - Partners

AIT Austrian Institute of Technology GmbH	Austria
Cassidian Finland OY	Finland
Cassidian SAS	France
Sveuciliste u Splitu (University of Split)	Croatia
Public Safety Communication Europe Forum AISBL	Belgium
HITEC Luxembourg S.A.	Luxembourg
Frequentis AG	Austria
Deutsches Zentrum für Luft- und Raumfahrt EV	Germany
HW Communications Limited	United Kingdom
TETRA MoU Association Ltd	United Kingdom
Katholieke Universiteit Leuven	Belgium
IES Solutions SRL	Italy
Technische Universität Graz	Austria



FP7 proposal EPISECC

Architecture of project





Conclusion

- Continue cooperation with CCBG
- Synchronise input from PSCE users, industry and research with CCBG
 - Provide use cases for broadband communication and multimedia usage (e.g for fire brigades and civil protection)
- Continue definition of EU projects for broadband communication and information exchange