Critical Communications Broadband Group (CCBG)

'Towards a broadband future'

Tony Gray

Chairman, TCCA CCBG
Board Member, TCCA

Regional Business Director

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CCBG is a working group of the TETRA + Critical Communications Association (TCCA)
www.tandcca.com

Mission & Vision

- The Critical Communications Broadband Group (CCBG) will:
  - *drive the development and adoption of common global mobile broadband standards and solutions for users who operate in a mission or business critical environment.*
  - *work with other relevant groups globally to lobby for appropriate, and as far as possible harmonised, spectrum in which to deploy critical broadband services and applications.*

- The aim of the CCBG is to:
  - *enable all critical comms users to access their information systems, intranet and internet at broadband speeds using their professional mobile devices wherever they are and whenever they have the need.*
  - *this broadband capability should be defined to meet the specific needs of the user, in the same way that critical voice and narrowband data services are currently delivered by critical comms-grade technologies such as TETRA, Tetrapol, P25, GSM-R and others.*
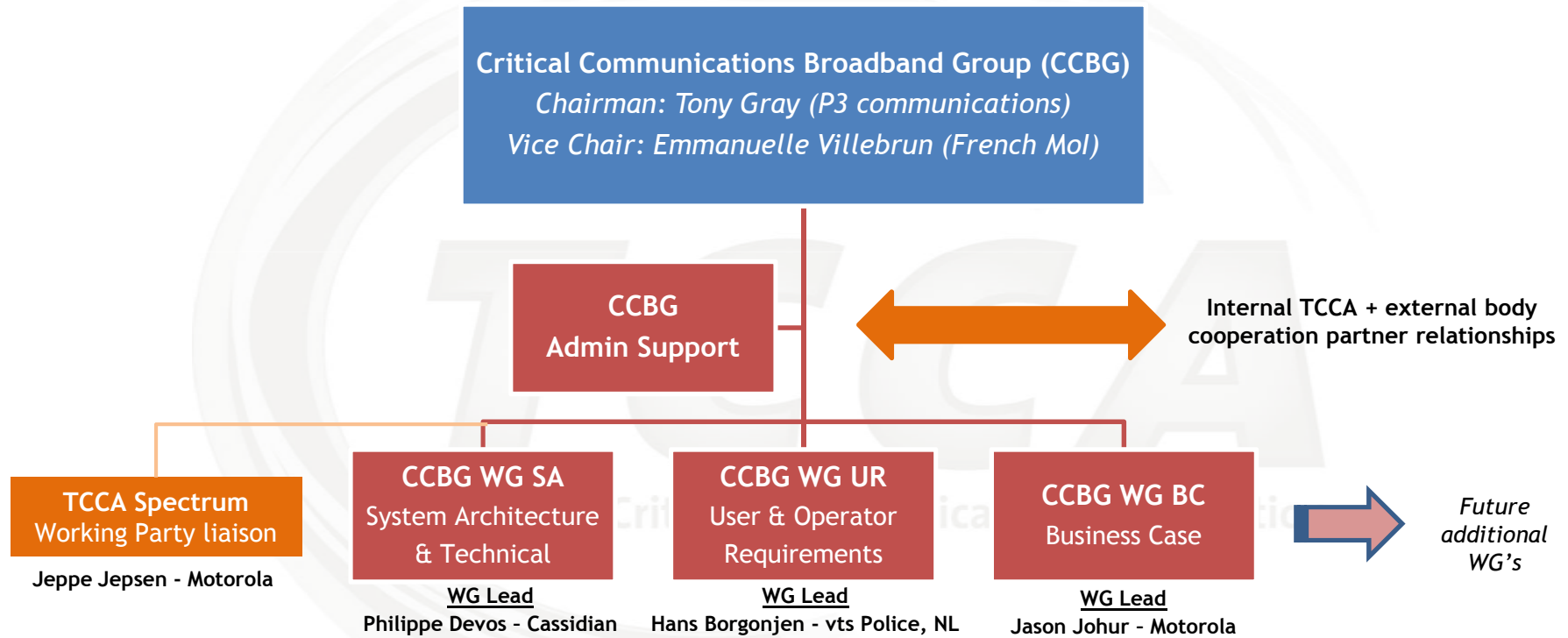
Members, relationships & organisation

- CCBG founder members include representatives from (mainly) European:
  - *industry standards and regulatory bodies, equipment manufacturers and suppliers, user organisations, operators, consultants, governments*
  - *All members of the TCCA are welcome to participate*
- By bringing together all interested parties, irrespective of their current chosen technology, the group is taking a lead in gathering the requirements for future critical comms broadband services.
- In order to drive global technology standardisation and spectrum harmonisation towards making critical comms broadband services an affordable and viable reality worldwide, the group will look to build on and strengthen collaborative and cooperative relationships with influential organisations around the world, e.g. including:
  - *3GPP, NATO, UIC, E-UTC, NPSTC and NIST in the USA, CITIG and CATA in Canada, APCO International, etc..*
- Currently active CCBG Working Groups include:
  - *System Architecture & Technical: WG SA*
  - *User & Operator Requirements: WG UR*
  - *Business Case: WG BC*
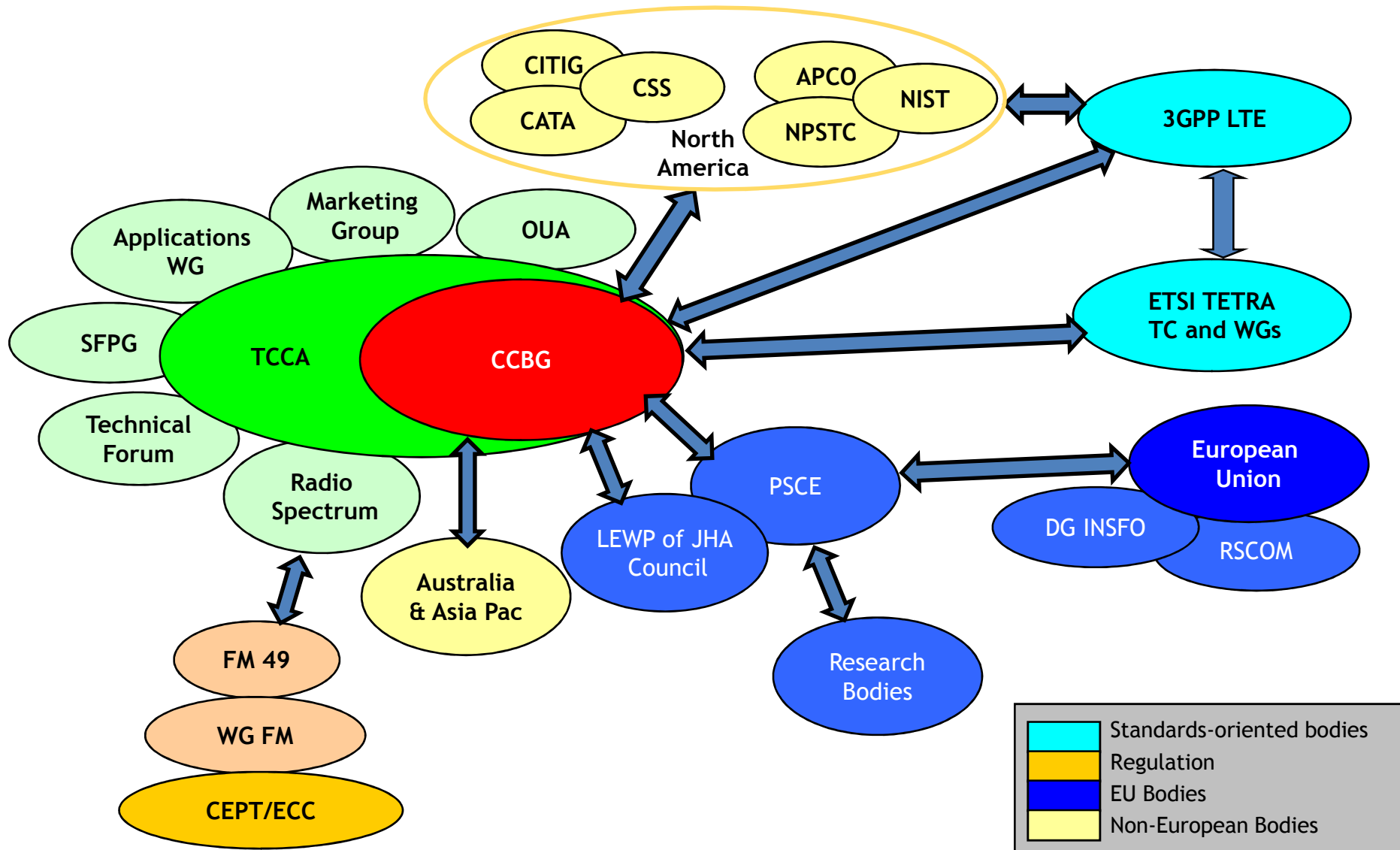 - *Spectrum: TCCA Spectrum Working Party*

Structure

Critical Communications Broadband Group (CCBG)
Chairman: Tony Gray (P3 communications)
Vice Chair: Emmanuelle Villebrun (French MoI)

CCBG
Admin Support

← → **Internal TCCA + external body cooperation partner relationships**

TCCA Spectrum
Working Party liaison

Jeppe Jepsen - Motorola

CCBG WG SA
System Architecture & Technical

<u>WG Lead</u>
Philippe Devos – Cassidian

CCBG WG UR
User & Operator Requirements

<u>WG Lead</u>
Hans Borgonjen - vts Police, NL

CCBG WG BC
Business Case

<u>WG Lead</u>
Jason Johur – Motorola

→ *Future additional WG's*

Internal & external relationships

Outline Roadmap Timescales

Capacity

Data via commercial networks

Critical broadband data
via dedicated networks

Integrated
Voice and Data

<----- TETRA-2 (TEDS) -----→

TETRA-1 / GSM-R critical Data

Next Generation Development

TETRA/Tetrapol/P25/GSM-R critical Voice

2005   2012/15   2020   2025/30?
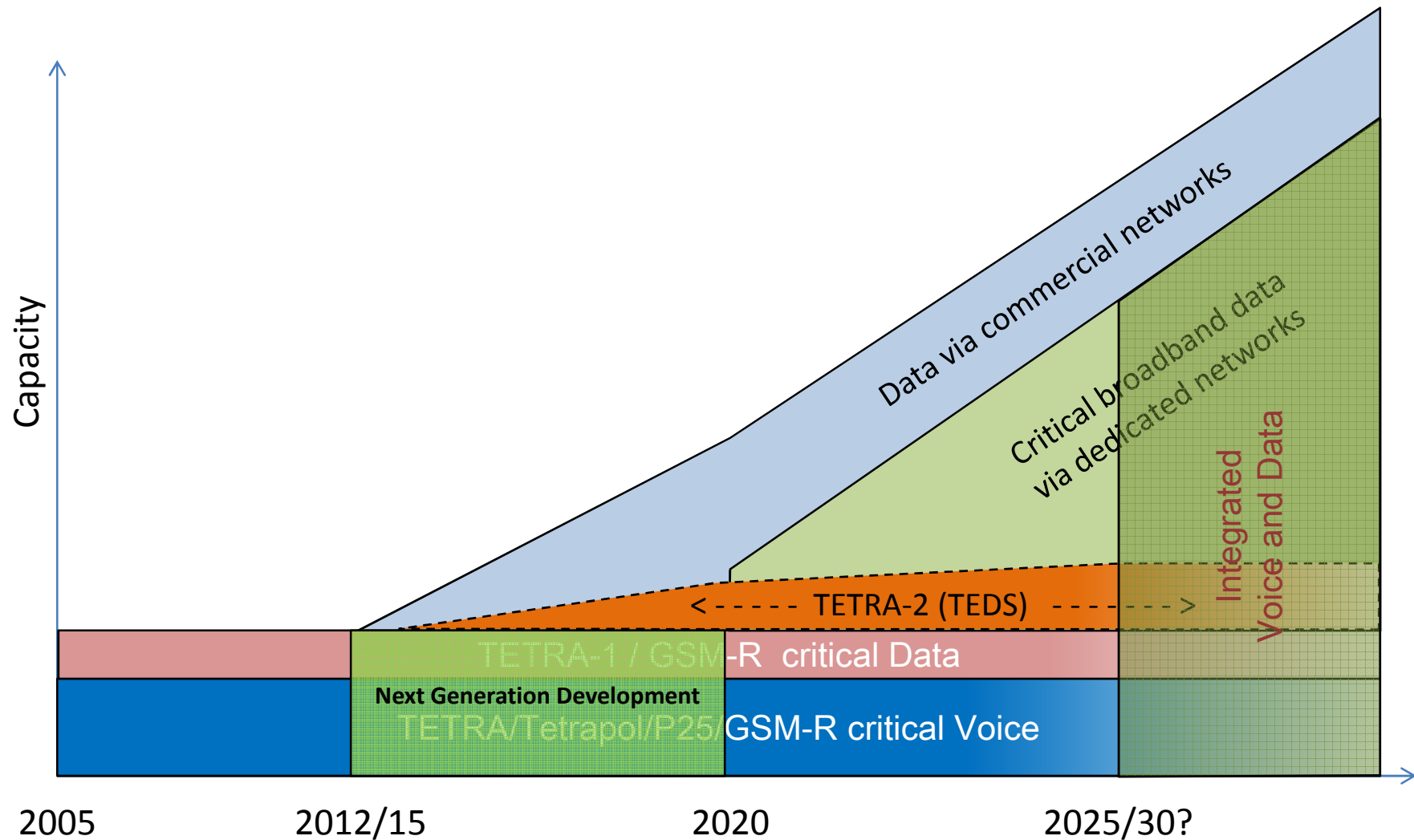
THANK YOU!
Questions?

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