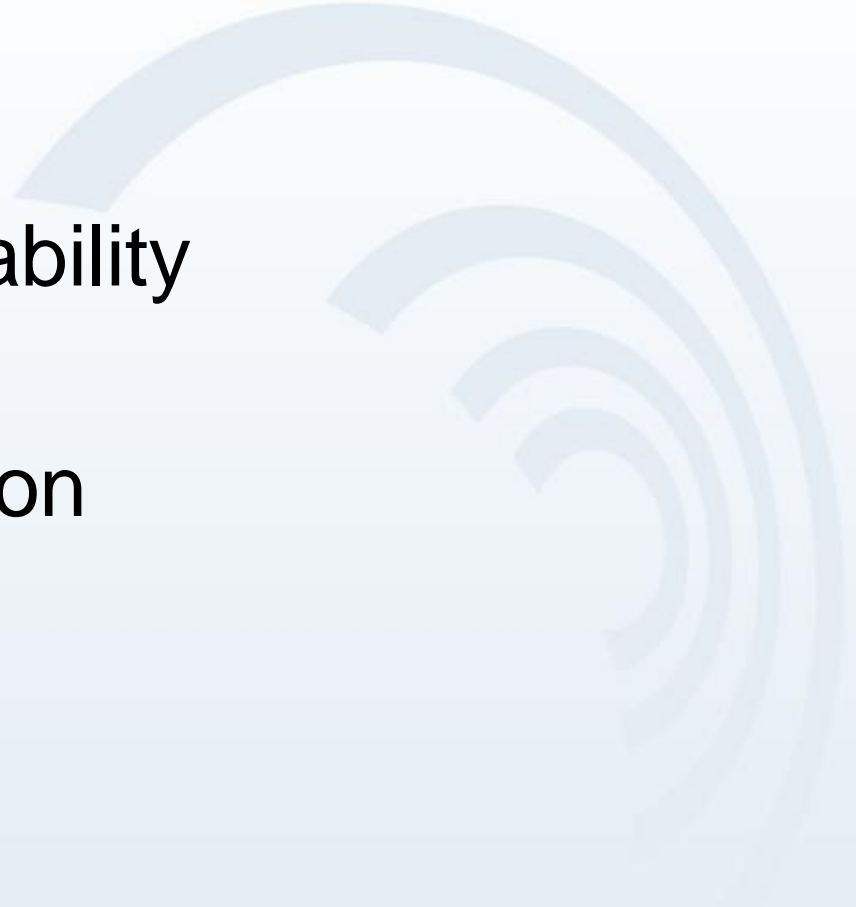# Standardisation Activity

PSCE Conference
2016-11-23, Athens, Greece

Why Standards ?

- ✓ Interoperability

- ✓ Competition

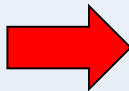- ✓ Cost

Which are applicable ?

- National

- ETSI
- CEN / CENELEC
- IEEE
- 3GPP

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- National

- ETSI
- CEN / CENELEC
- IEEE
- **3GPP**

PSCEurope
Public Safety Communication Europe

BroadMap

Why ?

- ✓ Standardisation
- ✓ Interoperable
- ✓ Global
- ✓ Mobile
- ✓ Technology

Why ?

"Commercial" 4G and 5G, but:

"Mission Critical" standardisation is already active

- Mission Critical Push To Talk ("MC-PTT")
  - ✓ Release-13,
  - ○ ETSI Plugtests June 2017

Why ?

"Mission Critical" is already active

– MC-PTT

✓ Release-13,

o ETSI Plugtests June '17

– MC-Data, MC-Video, MC-Core

✓ Release-14   ~50% standardised today

o Release-15   = "5G"

How ?

New Partners at London 3GPP meeting

October 24, 2016

3GPP has exhibited at the Broadband World Forum (BBWF), held this year at the Excel in London, with both ETSI and 3GPP providing speakers on the 4G/5G theme;

- Adrian Scrase (ETSI CTO) on the 'Why, when, where, what & how of 5G standards'
- Dino Flore (3GPP RAN Chairman) on 'LTE evolution and 5G'

The BBWF week at the Excel also hosted the 3GPP Project Coordination Group (PCG) & Organizational Partner (OP) meetings, at which the group officially decided that the 3GPP system will be known by the name "5G" from Release 15 onwards.

In addition to that formality, the OP also approved the applications of three new Market Representation Partners in 3GPP:

- Wireless Broadband Alliance
- Public Safety Communication Europe (PSCE) Forum
- 5G Infrastructure Association

READ MORE...

How ?

A GLOBAL INITIATIVE

Market Representation Partners

The 3GPP Organizational Partners may invite a Market Representation Partner to take part in 3GPP, which:

- Has the ability to offer market advice to 3GPP and to bring into 3GPP a consensus view of market requirements (e.g., services, features and functionality) falling within the 3GPP scope;
- Does not have the capability and authority to define, publish and set standards within the 3GPP scope, nationally or regionally;
- Has committed itself to all or part of the 3GPP scope;
- Has signed the Partnership Project Agreement.

What ?

SA   Service and System Aspects

   SA1 – Services

   SA3 – Security

   SA6 – Mission Critical Applications

CT   Core Network and Terminals

PCG   Project Coordination Group

What now, next ?

Requirements Validation from BroadMap:

✓   Priorities (SA6) R-14 ➜ Nov. 2016 +

○   Gaps   (SA1) R-15 ➜ Jan. 2017 +

SA / CT   ➜ 2017+

Continuous tracking and contributing !

3GPP Standards

Rel-13 SA6
MC Push to Talk
Technical Specifications

Rel-15 SA1
5G Requirements Freeze

Rel-14 SA6
MC-Data/Video
Technical Specifications

Rel-15
5G
Technical Specifications

Rel-16
????

March '16   Feb '17   June '17

3GPP Interoperability Testing

ETSI Plugtests
MC Push to Talk

Further Interop Testing

EU BroadX

2021/2022   2025+

May'16   April'17   May'18

BroadMap   **BroadWay**   **BroadNet**

**EU Interoperable Broadband for PPDR
First Pilots**

**EU Interoperable BroadBand for PPDR
Live**

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