Welcome to the World of Standards

ETSI World Class Standards

PROPOSAL FOR MISSION CRITICAL PUSH TO TALK (MCPTT) PLUGTEST

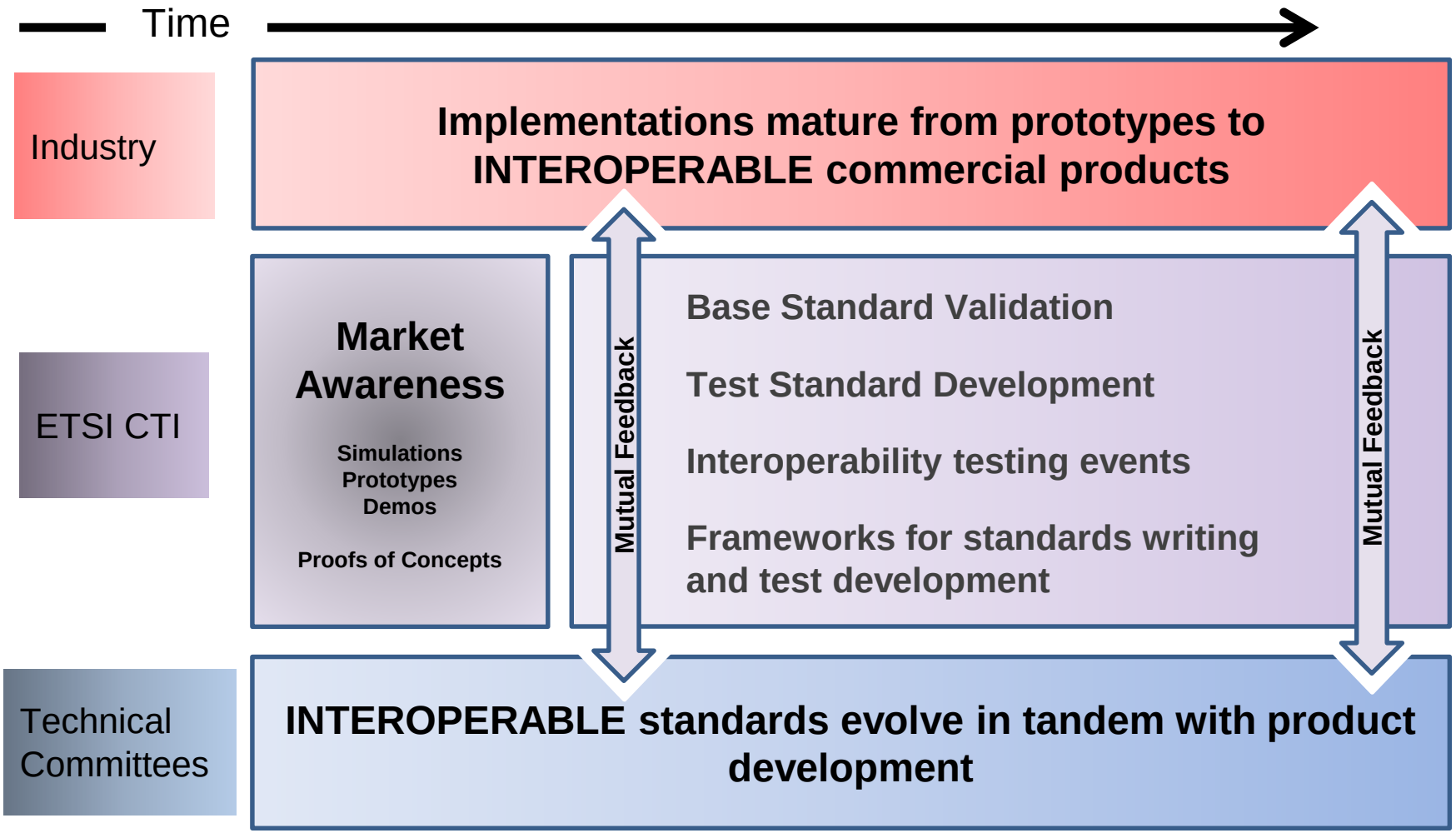
PLUGTESTS INTEROP EVENTS

Sebastian Müller, ETSI CTI

Broadband PPDR Workshop, ETSI, France

29.9.2016

Centre for Testing and Interoperability (ETSI CTI)



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What is a Plugtests™ event?

- A test event
  - Organized and run by ETSI (as neutral body) in collaboration with industry partners
  - Scope, test infrastructure and test plan based on standards
  - Feedback to the ETSI technical group
  - A tool for the ETSI technical group to validate and enhance the quality of their standards
- An opportunity for implementers
  - To validate their understanding of the standard
  - To test with (many) other real implementations
  - To debug their implementation: early bug fixing, saving time
- An opportunity for the community
  - To promote the technology and the eco system
  - To demonstrate end-to-end interoperability

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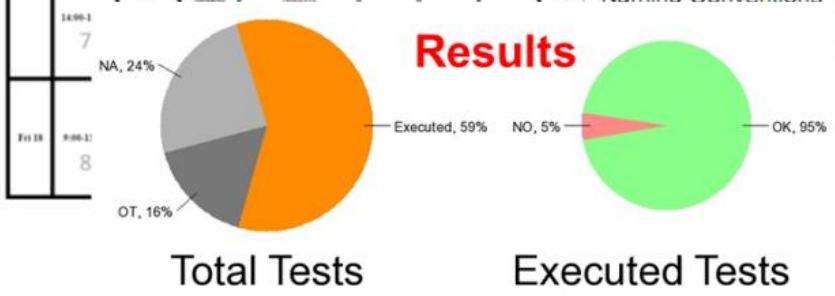
How do we Organise Plugtests?

- Event Co-ordinators
  - Registration
  - NDA
  - Hotels
  - Finance
  - Shipping of equipment

- CTI
  - Management
  - Testing Expertise
- Subject Matter Experts
- Technical partners (e.g., Com4Innov)
- Hosts
- IT Support

A typical Plugtest looks like this …



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Motivation

- Rel-13 frozen for Mission Critical Push To Talk (MCPTT) features in 3GPP
- To support industry in the deployment of 3GPP Rel-13 Mission Critical Communication Networks
- To organize a series of MCPTT Plugtests in collaboration with TETRA + Critical Communications Association (TCCA)
- To develop a standardized Interoperability Test Specification
- Plugtest Results will be used to improve the specifications

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Topics for Plugtests

- MCPTT application servers
- MCPTT Client running on UEs
- LTE networks supporting mission critical QCIs
- eMBMS support for group communication
- Off-network operations (Device to device)
- interworking between TETRA and MC LTE
- Identity and Group management servers
- Location
- Security

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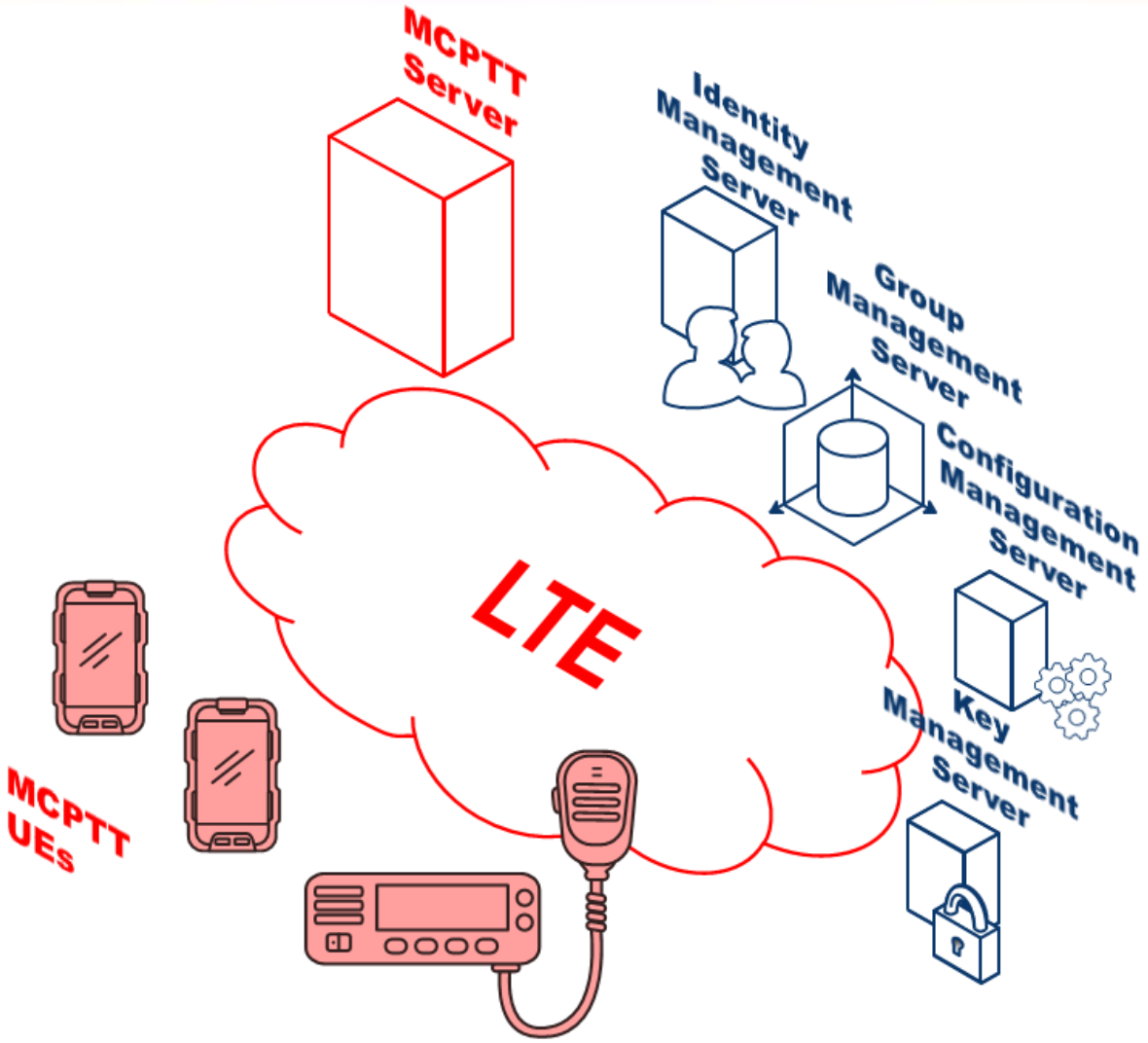
Potential Scope of the first Plugtest



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Potential Scope of the first Plugtest

- Connectivity (CONN): Basic connectivity between functional elements at different levels including Access Network (LTE), IP Network, SIP and Application
- Policy (PCC): LTE bearer signaling and allocation (MC QCIs)
- Unicast Media (UNM): Voice over unicast flows Additionally location information
- Multicast Media (MCM): Voice over multicast flows Additionally location information

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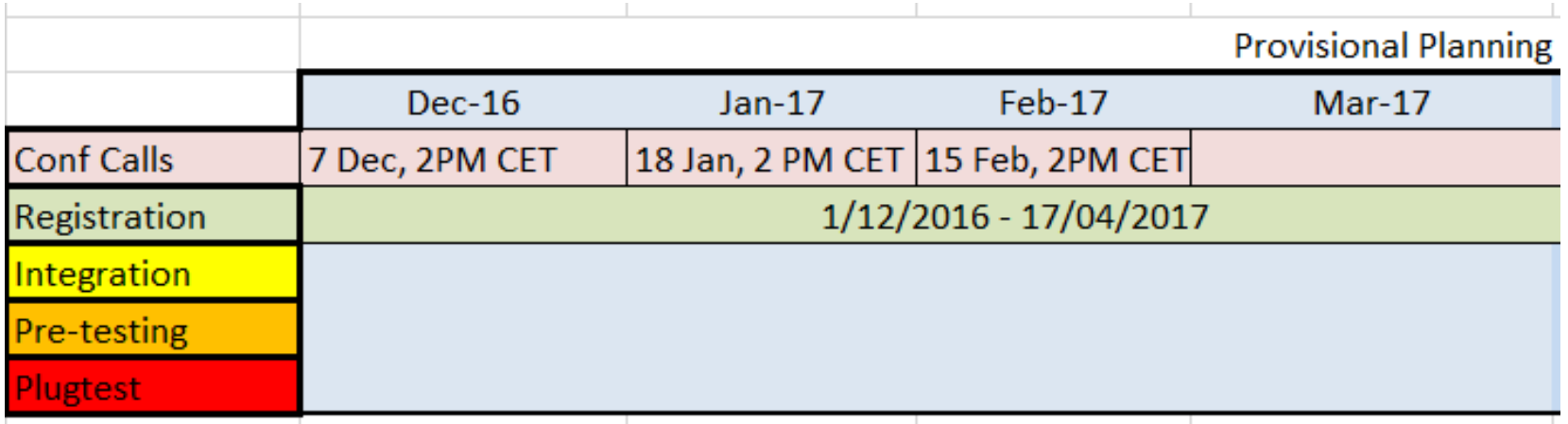
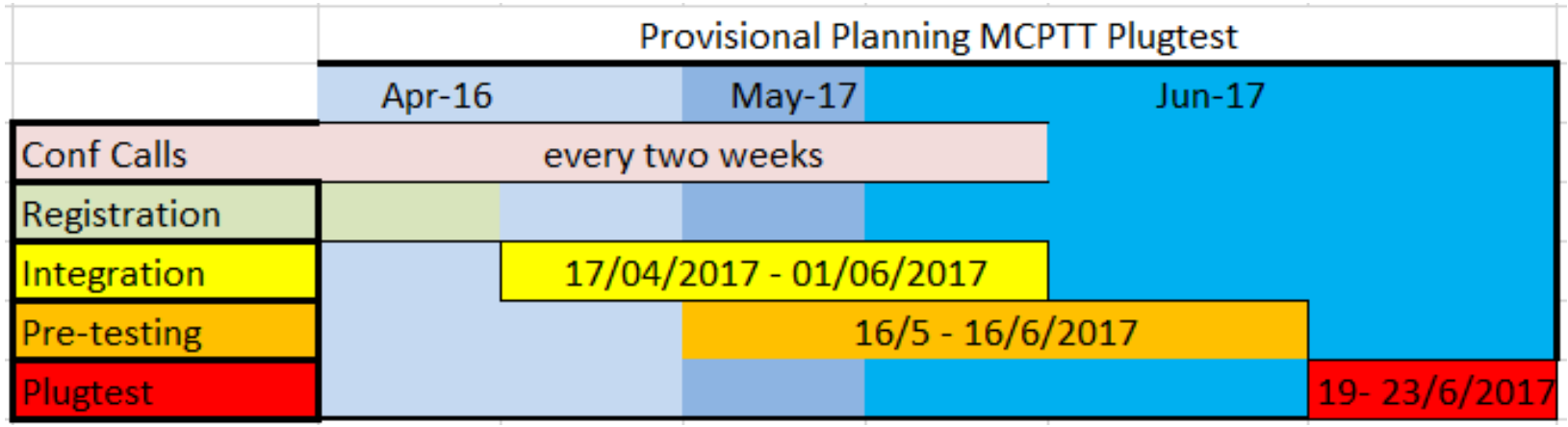
Provisional Planning





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Interested Vendors – 15.9.2016

- AIRBUS
- AIR-LYNX
- ATHONET
- BITTIUM
- ETELM
- FREQUENTIS
- GENAKER
- HUAWEI
- HYTERA
- NEMERGENT
- SEPURA

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Users and Observers

- French Interior Ministry
- UK Home Office
- BT
- Police NL
- ASTRID, Belgium Public Safety Network Operator
- PSC-E (Public Safety Communications Europe)

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Next Steps

- Complete the ongoing interviews
- Agree test scope with interested vendors, users and observers
- Confirm host location
- Create Plugtest web page
- Announce Plugtest via the ETSI and Partner Channels

PLUGTESTS INTEROP EVENTS

NG112 Emergency Communications Plugtests #2

Latest News
ETSI Newsletter
Upcoming Events
Recommended Events
Webinars
Videos
5G Summit videos
ETSI Seminar
Media Resources
Past Events
News & Events Contacts

6-10 MARCH 2017 ADD THIS TO MY CALENDAR

THIS EVENT IS FREE OF CHARGE

ETSI, SOPHIA ANTIPOLIS, FRANCE EXPAND

ETSI in cooperation with the European Emergency Number Association (EENA) is organizing the second emergency communications interoperability Plugtests™ event to be held in Europe with the support of ETSI SC EMTEL. This event will be located in Sophia-Antipolis from 06 to 10 March 2017.

NG112 Emergency Communications Plugtest

The concept of "Next Generation 112" (NG112) has been identified as a potential answer to the increasing requirements and demands of content-rich emergency calling.

This second NG112 Emergency Communications Plugtests™ event will see a testing campaign based on the use cases developed by ETSI and EENA and is a unique chance for vendors of emergency communication equipment to test their product against different implementations and scenarios.

While the first NG112 Emergency Communications Plugtest focused on voice and geo-localization, in this second edition, the scope is extended to content-rich emergency calling with existing IMS/RCS services such as:
- video calling
- instant messaging (1:1 chat, group chat)
- file transfer (ex: video,etc...).

Please note that the event is covered by a Non-Disclosure Agreement which sets out the terms of a fair and non-discriminatory participation, i.e. vendors are free to publish

REGISTER

Partners

Supporters

European Commission

Related Documents

Next Generation 112 Long term definition document

EENA LTD Primer_v1.1

Interoperability Best Practices Handbook

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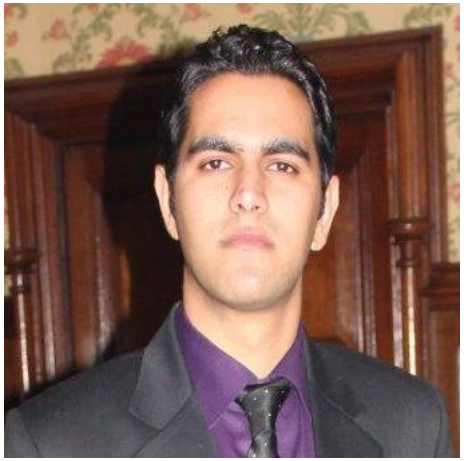

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