Mapping Interoperable EU PPDR Broadband Communication Applications and Technology

PSCE Conference
Athens
23th November 2016

EC's Horizon2020 project call

H2020-DRS-2014-2015   ×

Extras ?

Topic: DRS-18-2015:Communication technologies and interoperability topic 1: interoperable next generation of broadband radio communication system for public safety and security   **Closed**

Publication date: 11 December 2013

Types of action: CSA Coordination and support action
lineModel: single-stage
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Topic Description

Scope:

Specific challenge:

The users/potential buyers participating in the action should agree on specifications, and set standards for the next generation of an EU interoperable radio communication system considering at least three markets: one for broadband network system technology/setup/operation, one for end-user devices and one for applications, taking into account previously EU funded R&D project on the same issues.

Scope:

Different organisation schemes, such as a dedicated EU Mobile Virtual Network Operator for law enforcement agencies, a European Economic Interest Group, national interoperable networks, or any other way will have to be studied.

The participants will propose the best suitable architecture/solution in order to establish the desired EU-interoperable system.

The action will develop the core set of specifications, roadmap for research or tender documents to be used as a basis for national procurements, or the legal setting of alternate organisational solutions taking into account the above-mentioned requirements for interoperable next generation PPDR broadband

PSCEurope
Public Safety Communication Europe

Website : w

A Cornerstone for future Critical Mobile Broadband Communications

BROADMAP
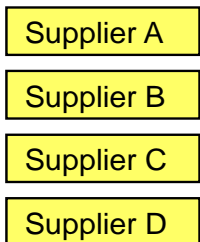Co-ordination and Support Action (CSA)

BROADWAY

BROADNET

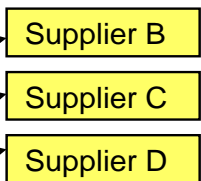Applied R&D / Pre-commercial Procurement (PCP)

Public Procurement of Innovative Solutions (PPI)
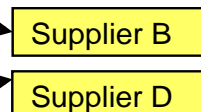
Phase 0
Requirements
Solutions
Transition
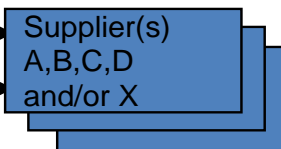Roadmapping

Phase 1
Solution design

Phase 2
Prototype development

Phase 3
Original development
of limited volume
of first test products /
services

Phase 4
Deployment of commercial
volumes of end-products
Wide diffusion of newly developed
solutions

Supplier A
Supplier B
Supplier C
Supplier D

Supplier B
Supplier C
Supplier D

Supplier B
Supplier D

Supplier(s)
A,B,C,D
and/or X

Also normally multiple sourcing here
to keep competition going

2016   **2018**   **Circa 2020-2022**   **2025**

2025 – Commercially Deployed Interoperable Broadband Applications, Services, Networks, Devices for PPDR

Our goal

Establishing the **PPDR requirements**, a **core set of specifications** and the **roadmap for procurement** to achieve future evolution of European broadband applications and **interoperable** radio communication solutions

Objectives

- To **collect**, **assess and validate** the PPDR's wireless broadband communication requirements

- To **establish** a core set of specifications to fulfil the requirements

- To **define** transition roadmaps for research and standardisation for future evolution of European interoperable radio communication solutions, within legal procurement constraints

- To **prepare** the ground for a new eco-system to catalyse new applications, services and processes making use of broadband capabilities for Public Safety and Security
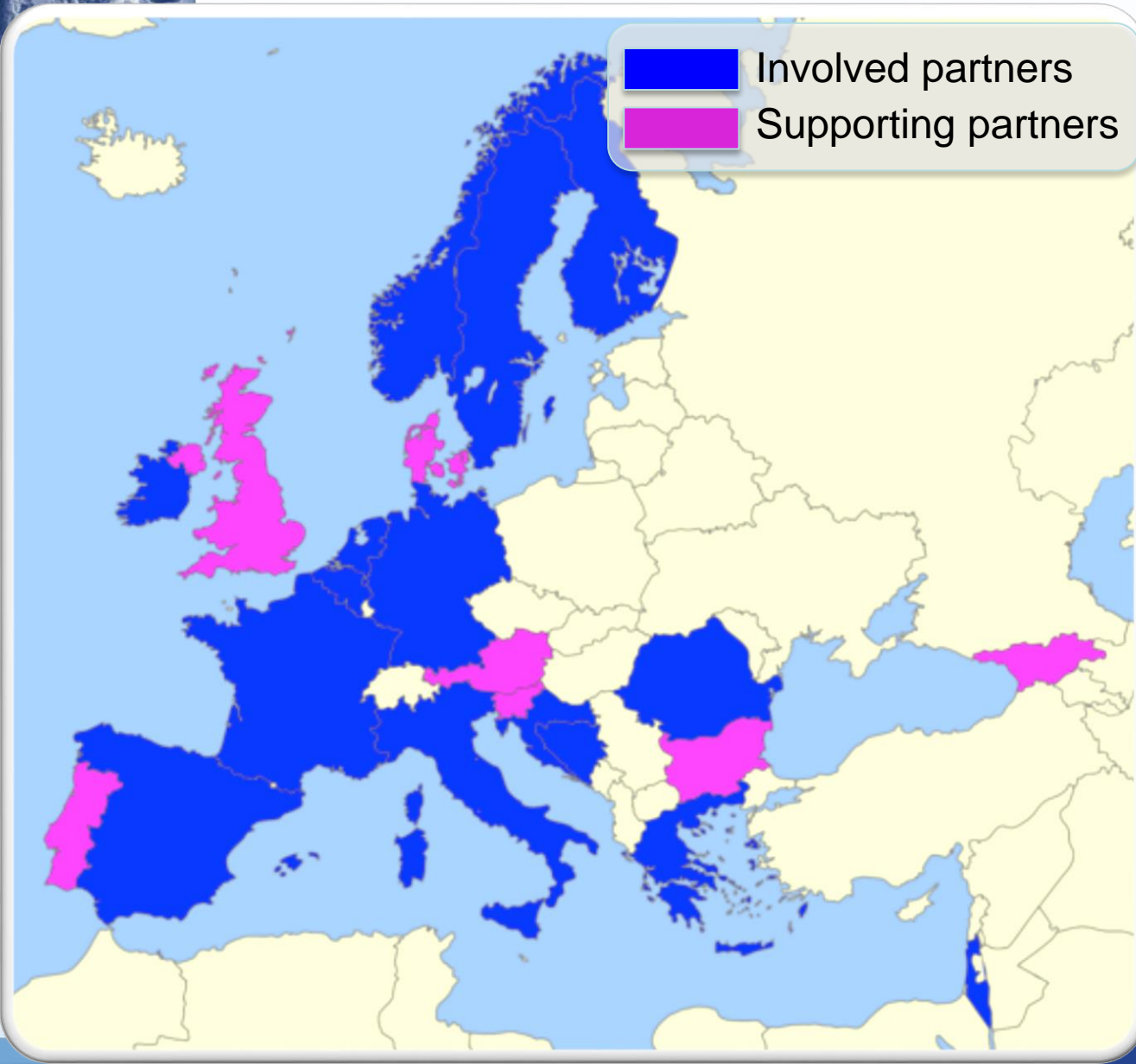
Consortium

Participant	Participant organisation name	Country
1 PSCE	Public Safety Communication Europe Forum *(Coordinator)*	Belgium
2 FRMOI	Ministère de l'Intérieur	France
3 BEMOI	Service Public Fédéral Intérieur	Belgium
4 BHMOS	Ministry of Security	Bosnia and Herzegovina
5 CRMOI	Ministry of Interior	Croatia
6 FIMOI	Ministry of Interior	Finland
7 DEBRK	Bayerisches Rotes Kreuz - Bavarian Red Cross	Germany
8 SEMSB	Swedish Civil Contingencies Agency	Sweden
9 IEAGS	An Garda Siochana – National Police Service of Ireland	Ireland
10 ESMIR	Ministerio Del Interior	Spain
11 ILMDA	Magen David Adom	Israel
12 GRMOI	Centre for Security Studies – Ministry of Citizen Protection & Public Order	Greece
13 NODNK	Directorate for Emergency Communication	Norway
14 ITMOI	Ministry of Interior	Italy
15 ROSTS	Special Telecommunications Services	Romania
16 NLPOL	The National Police of the Netherlands	The Netherlands
17 DGFLA	De Gaulle Fleurance & Associés	France

A Broad Map

Involved partners
Supporting partners

PSCE providing project coordination and support, *Consortium Leader:*
   Dr. David Lund, PSCE

15 potential buyers/end users, of which
- 12 represent EU Member States
- 3 represent Associated Countries
- 8 represent the responsible Ministry within their country
- 7 represent end user organizations and/or operators of emergency service networks

48 external supporters
- 7 extra countries

DGFLA providing legal expertise

Principles

- **All output** is generated from a PPDR **end user perspective**

- The views of the **widest possible reach across Europe of** Critical Communications needs and use.

- To utilise all **existing and relevant materials from previous and on-going activities**

- To utilize the **combined experience** on PPDR communications

- To foster **cross fertilization and avoid duplication** of ideas and plans between Member States and associated countries

- To **influence EU Policy and standardisation** to support the future roadmap of future evolution of EU broadband applications and interoperable radio communication solutions

- To take account of **legacy investment in state of the art** radio communications by PPDR

Work-Packages

WP 1 - Ethical and Social issues

WP 2 - Project Management

WP 3 - Requirement Consolidation

WP 4 - Candidate Solutions

WP 5 - Transition Roadmap

WP 6 - Outreach and Dissemination

Time line

Aug 2015	proposal submitted
Jan 2016	EC decision
10-12 May 2016	Kick-off Meeting
May – Aug. 2016	National User Workshops
10th Nov. 2016	European <u>User</u> Workshop
Autumn 2016	Interim reporting
6th April 2017	Final Project Conference
30th April, 2017	Project end
2018	SEC-04

15 project partner countries

25 workshops - validate user requirements

276 PPDR organisations from 18 countries

600+ practitioners (users) involved

Results ?

Identification of gaps in standardisation

=> Input to 3GPP

Set of user requirements, potential solutions, plan for transition, ..

⇒Input for next project (PCP,
        tender for pilot/test systems)

=> „Restricted R-UE" info at the moment

Industry? Research?

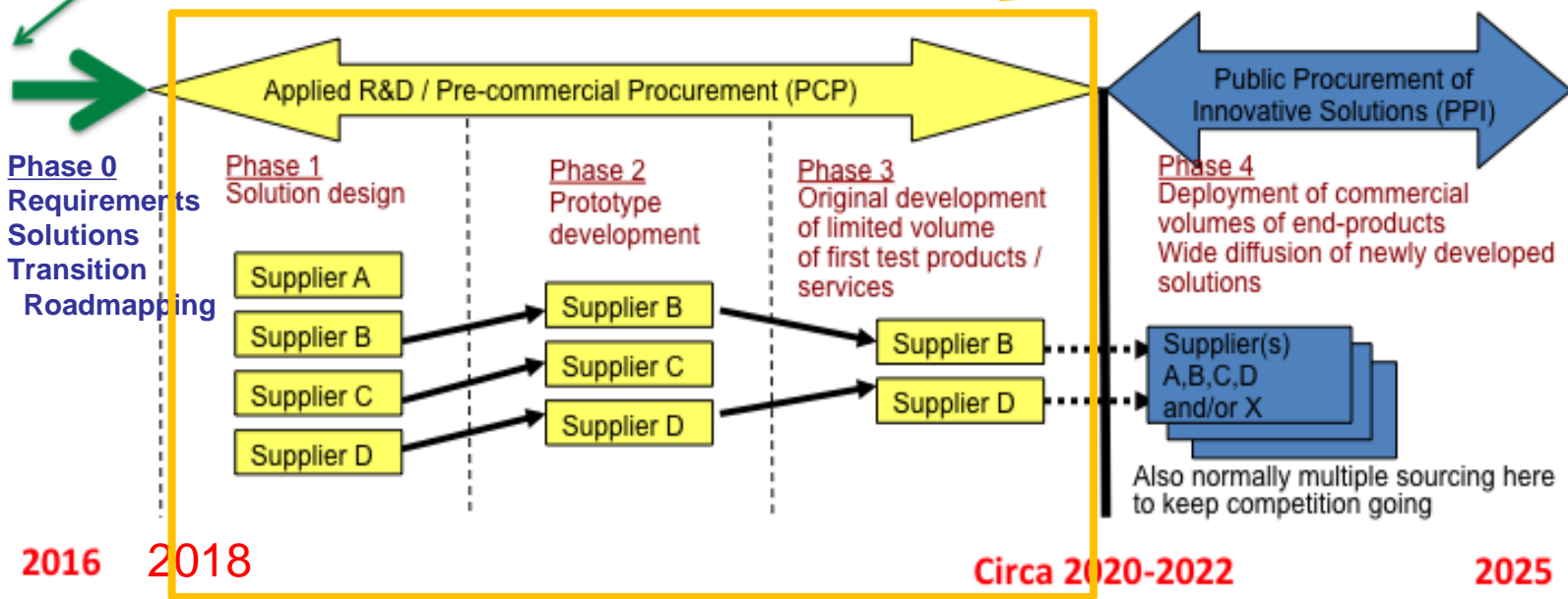Industry participation restricted – to avoid conflict with the tender process later

Project group decided: now **Users only**
Define open research issues

Final Conference April'16 open for **all** stakeholders

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Public Safety Communication Europe

BroadMap

Co-ordination and Support Action (CSA)

BroadWay

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www.broadmap.eu

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More Activities

Please see the PSCE Europe Website

www.psc-europe.eu

Horizon 2020

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 700380.

European Commission

BroadMap Invites You to the Stakeholder Workshop

The BroadMap consortium cordially invites you to the BroadMap Stakeholder Workshop, to be held on the 10th of

6th April 2017

...ect and

participants of the BroadMap workshops held in the summer of 2016 are, in particular, welcome to attend.

Preliminary programme: The Workshop will present the latest developments of the BroadMap project and the outcomes of the national BroadMap workshops, which were organised throughout the summer of 2016 and involved 242 PPDR organisations from 17 countries across Europe cumulatively gathering more than 600 participants.

Accommodation: Information on accommodation for participants will follow soon.

Registration: To register, please fill out this online form: http://www.broadmap.eu/stakeholder-event-registration

> Read more: BroadMap Invites You to the Stakeholder Workshop

A Wealth of Practitioners Validate Requirements for EU Interoperable Broadband Mobile

BroadMap Workshop in France

BroadMap workshops have also been held in Paris, France. Hosted by the French Ministry of Interior, the workshops took place on 15th June and

BroadMap Workshop in Bosnia and Herzegovina

The Ministry of Security of Bosnia and Herzegovina, a partner in the BroadMap project has held its