

“European Integrated Cross Standard Public Safety Communication and Information System”

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Motivation

- Number of public safety communications systems in Europe that are not capable to talk with each other at regional, national and international levels
- Budget constrains and costly complex technology
- Some European countries showing increased interest toward reuse of public communication systems in emergency situations
- The public safety applications that could be supported by communication systems are not sufficiently developed and will require further user requirements studies and substantial work on their standardization

=> The interoperable **cross standard** communication system **integrated** with applications



Efforts required

- Software defined radio (SDR) technology
- Intelligent approach to spectrum management based on reuse of spectrum that is assigned for public systems
- Political harmonization efforts, extensive work on cooperation with standardization organizations and cooperation with public safety users and authorities are necessary
- Emerging activities in this area are WIDENS project, European public safety communications officials forum – EPPCO
- The work started in these projects have to be extended and will contribute new projects in this area



Research challenges

- Cross standard system (CSS) concept and applicable technologies for future public safety communication in cooperation with research, industry and standardization organizations
- Further user studies that will contribute new application and user interface development
- Road mapping activities that will help to harmonize technology development with users-authorities interests and political consolidation in European public safety
- Further work on SDR with emphasizes on public safety system requirements
- Establishing European or transatlantic network of industrial, research organizations and users to consolidate efforts in this area and to achieve critical mass of expertise



Instruments

- Integrated project (IP) on European Cross Standard Public Safety Communication and Information System
- STREPs on the key elements of the system
- NoE or SSA on networking and road mapping

