# Spectrum Harmonization Initiative

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Founding member of PSC-Europe

# Spectrum Actors

- ECC
  - FM 38
  - WG FM

  HB,RT,TC, JJ

- ETSI
  - TC TETRA & ERM
  - SRDoc

  HB,RT, JJ

- PSC-Europe
  - 581 individuals & Industry
  - Nartus (FP6) completed
  - Roadmap
  - Spectrum group -> ECC

- TETRA Association
  - 150 members
  - Spectrum group

  HB,RT, JJ

- PSRG                                    HB, EL
  - Officials from 14+ countries
  - Meets bi-annually
  - Forum for information exchange
  - Forum to agree actions

PSC Europe
Public Safety Communication Europe

Website : www.psc-europe.eu

E-mail : consortium@psc-europe.eu

# Resolution 1
## PSC-Europe endorsement of Spectrum Petition.

- Public Protection and Disaster Relief is a priority subject for the citizens, the National Governments and the European Union and that effective communication are an essential element for Public Safety operations.

- Public safety services **bring value to society** by creating a stable and secure
- environment; that this can only be done by building robust, secure and reliable,
- modern Public Safety mobile communications networks. To fulfill this requirement, it is **essential for Public Safety services to have access to appropriate spectrum** in all parts of the territory sufficient to meet their evolving operational needs.

- Building these modern essential services requires a long project lead time, for example, today's national digital radio system for emergency services, often part of Critical National Infrastructure, **typically take 10 years in planning** before they are operational.

- The mandatory services and facilities required by public safety organizations can only **partially be provided on networks designed for commercial use**. There remains a critical need for dedicated Public Protection and Disaster Relief networks and spectrum to support future operational requirements which will now include video and other picture applications.

- **Resolution for consideration by Members**

- The PSC Europe Forum Assembly Meeting 10th – 11th June 2008 expressed support for spectrum to be allocated from the Digital Dividend for PPDR Services for the European Union.

# EU wide actions since 2008

- PSC-Europe liaision to ECC
- Motorola / EADS commisioned white paper – Public Safety First.
- Spectrum Petition
- ETSI wi – SRDoc
- Letters of support from several Minister´s.
- Participation in RSPG – Public use of Spectrum
- Representation to RSPG; ECC;
- Established Spectrum group in TETRA Ass.
  - Consensus building with other parts of industry and user communities.

- Westminster Forum Seminar: Emergency Services Spectrum
- Policy Tracker Seminar on spectrum for Emergency Services
- Coordinated responses to various hearings and questionaires.
- Participation in FM38 / WGFM.
- Police Corporation – Radio expert group on initiative from France.
- Council Recommendation on radio communication.
- Consultation with EC Spectrum Policy Unit.

Westminster eForum Keynote Seminar

# Emergency Services & Public Safety Spectrum
## 11th June 2009

Website : www.psc-europe.eu    E-mail Public Safety First

# The Case for Blue Light Spectrum
## Jeppe Jepsen, Chairman, Spectrum Harmonisation, PSC-Europe

Good morning ladies and gentlemen. I'm Jeppe Jepsen, Chairman of the Spectrum Harmonisation Group of the Public Safety Communications Europe.

PSC-Europe was established a couple of years ago with funding from the European Commission to provide a forum for consensus building of people in the public safety communication arena and today more than 550 individuals and organisations are a member of that.

- Westminster Forum Seminar: Emergency Services Spectrum

- Policy Tracker Seminar on spectrum for Emergency Services

- Coordinated responses to various hearings and questionaires.

- Participation in FM38 / WGFM.

- Police Corporation – Radio expert group on initiative from France.

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# Mission Critical → Dedicated

- Public networks do not meet PS user requirements
  - Coverage, Availability, Security, Resilience, Interoperability,
  - Control, Functionality.
  - PSS organisations expects same functionalities as general public – but on mission critical network.
- Public network operators are able to prioritize PS users, but.....
  - When the public cannot communicate, who do they call?

## Availability & Resilience, Control.

# "There is no Business Case?"
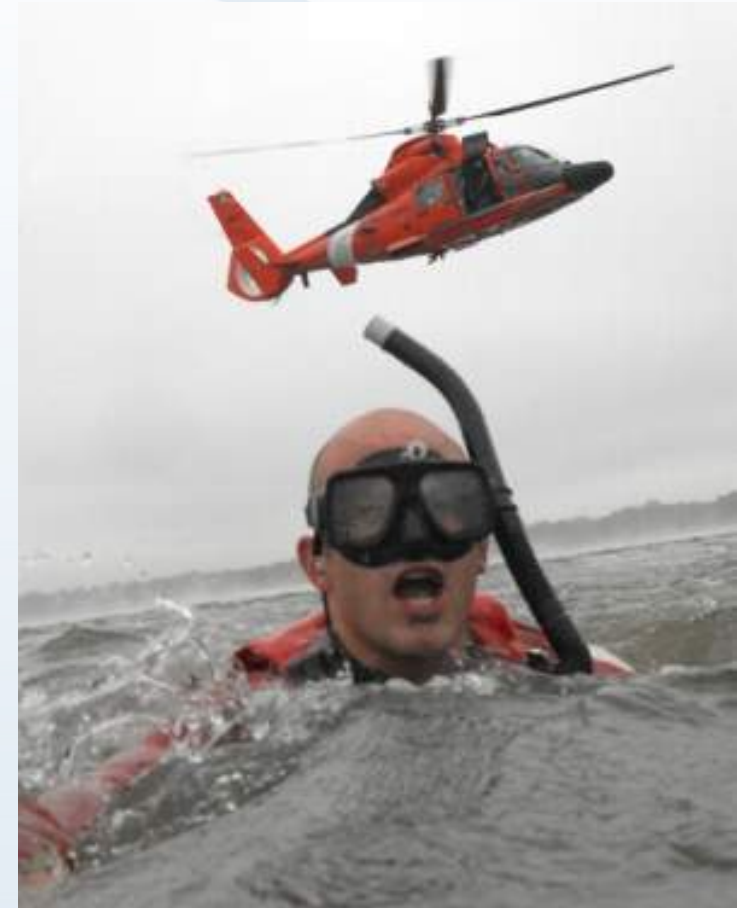## Says mobile operators.

- How do you value this Service?

# How do you consider this in your Business Case?

- How do you value this Service?

- Is a market mechanism right for this

- situation?

# Consider this in your Business Case

PSCEurope
Public Safety Communication Europe

Website : ww

# Effective Public Safety is a societal value and a responsibility.

- Those planning future wireless digital motorways also needs to consider spectrum needs of Public Safety organisations.

- Future wireless digital motorways will also be used by criminals and organised crime.

- Governments have a responsibility to their employees who protect our societies – risking their lives.

  – They value spectrum!!

# Public Safety spectrum requirements

- Hans Borgonjen - Head of Unit, International Relations, Dutch Police
- Etienne Lezaack, Belgian Federal Police
- Risto Toikkanen, Manager Spectrum, EADS
- Lizanne Scott, Global Government Affairs Europe and Country Management
- Jeppe Jepsen, Director of International Business Relations, Motorola
- Tim Cull, Manager EU Affairs, Motorola

# Status

- Additional spectrum for Mission critical voice (2x3 MHz. and wideband data (2x3 MHz).

- Broadband spectrum (2x10 MHz.)

- PPDR Spectrum meeting in Mainz 11-12 March 2010.

- Digital Dividend (790-862 MHz.) was all given to operators.

# Conclusion

- Mission Critical voice will remain on TETRA for 10+ years.

- Dedicated harmonized spectrum for Broadband (BB) data are not expected next 5 years.

- Public networks can be used for non-mission critical BB solutions.

- Local BB solution may be expected.

- The future will a mix of solutions.