



Federal Ministry
of the Interior

German objectives towards Broadband PPDR

PSCE/BroadMap, Brussels

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Preliminary remarks

- Various national and international studies verify the demand and need for mobile broadband services for PPDR
- There is a shortage of appropriate radio spectrum bands for mobile broadband communication in Germany (due to the auction of most of the 700 MHz band)
- Ongoing preparations for a mid-life update of the PPDR network (TETRA-Technology)
- Conversion to an IP-based technology in consideration of the subsequent realization of PPDR broadband services

Political Decision Making in Germany

- The implementation of mobile broadband services requires a resolution by the Joint Conference of the Home Secretaries (representatives of 16 federal states in Germany)
- The objective: a resolution for a joint and nation-wide standardized broadband infrastructure
- Activities to be lead by the Federal Ministry of Interior in cooperation with the states and other Ministries (Defense, Economy etc.)
- The Federal Agency for Public Safety Digital Radio (BDBOS) supports the activities

Decision Making Process

The introduction of future nation-wide broadband PPDR services requires national decisions on:

- The development of a state-owned *dedicated* PPDR LTE-network
 - *How to get the required frequencies?*
 - *How to run and organize the operations? – state-based organization or outsourcing to a commercial operator?*
- The utilization of commercial networks
 - *Possibility of a specific separation between PPDR critical communication and commercial “best-effort” datas?*
- *Possible hybrid solutions with an own dedicated LTE network?*
- The ideal time to migrate from PPDR voice communication services to 4G/5G?

Thank you for your attention!

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Backup

Organizational options

Authority model

Own network, build and operated by a single agency, paid by federal government and states.

General contractor model

Own network or using a commercial network. Only one contractor is responsible.

Coordination model

Own network with central coordination and central defined standards but local operation and responsibility.

Competition model

Contracts with multiple commercial network providers.