



Czech Republic  
Ministry of Transport



# “eCall integration into the PSAPs infrastructure”

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# Responsibility for the eCall issues



## Ministry of Transport

- National Road Safety Strategy
- Satellite Navigation and related applications
- Transport Research and Development
- Brussels activities (Transport Council WG, EC, GSA partner of ERTICO, eSafety)

# Responsibility for the eCall issues

## Directorate General for Fire Rescue Services

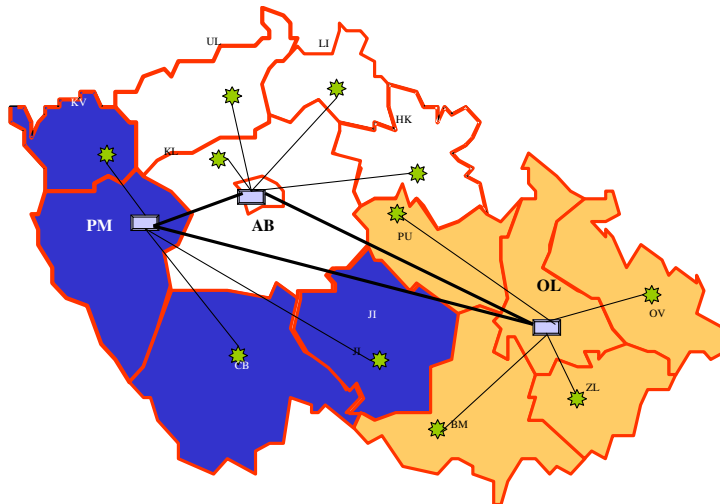
- Rescue interventions
- 112 implementation
- Brussels activities (eCall implementation platform)



# eCall Czech Pilot

Description of the pilot site structure:

- Decentralized PSAP architecture

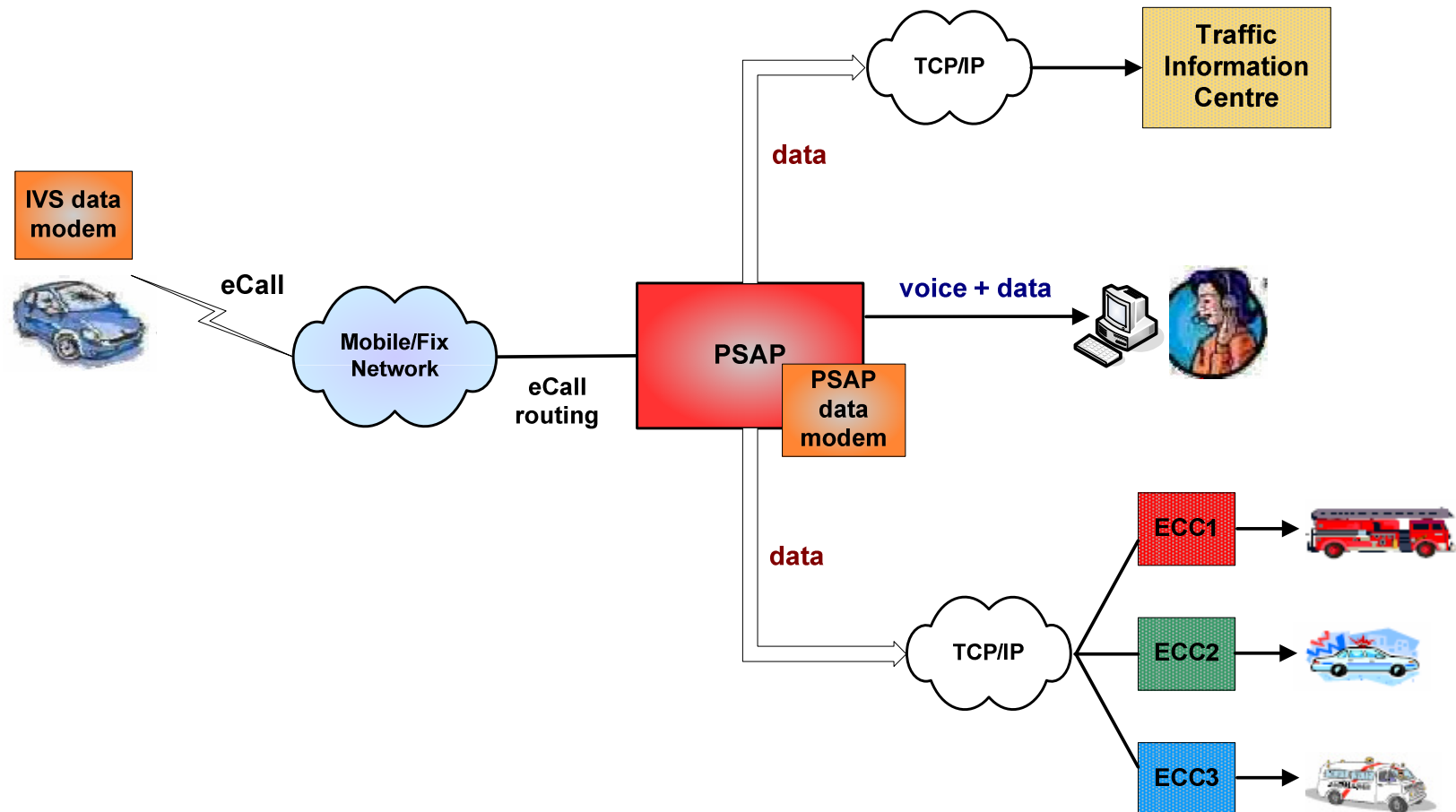


- PSAP technology already upgraded for E112

# eCall Czech Pilot

- Strict implementation of European eCall Standards
  - Pan-European eCall Operating Requirements
  - Minim Set of Data
  - In-band modem transmission protocol
  - High level Application Protocols
- eCall service on the PSAP side integrated into the existing technology of E112 as much as possible
- eCall Pilot project will be realised on “testing platform”

# eCall Czech Pilot



*High level architectural design*

# eCall Czech Pilot

- **Pilot streams:**
  1. IVS, MSD
  2. Network
  3. PSAP upgrade
  4. (eCall certification)
  5. Cross-border interoperability

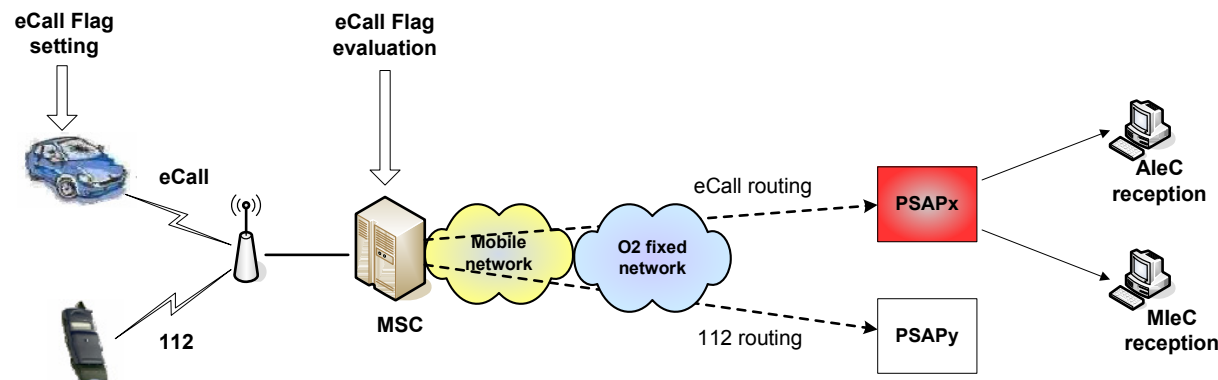
## **Pilot stream: IVS, MSD**

- To test functionality of IVS from MSD, transport protocol and HLAP requirements
- Some of tests can be performed in an isolated mode, some of them requires interworking with a respectively upgraded PSAP

# eCall Czech Pilot

## Pilot stream: Network

- eCall discriminator / eCall Flag evaluation and provision of proper eCall routing
- Testing the Mobile Network Operator configuration



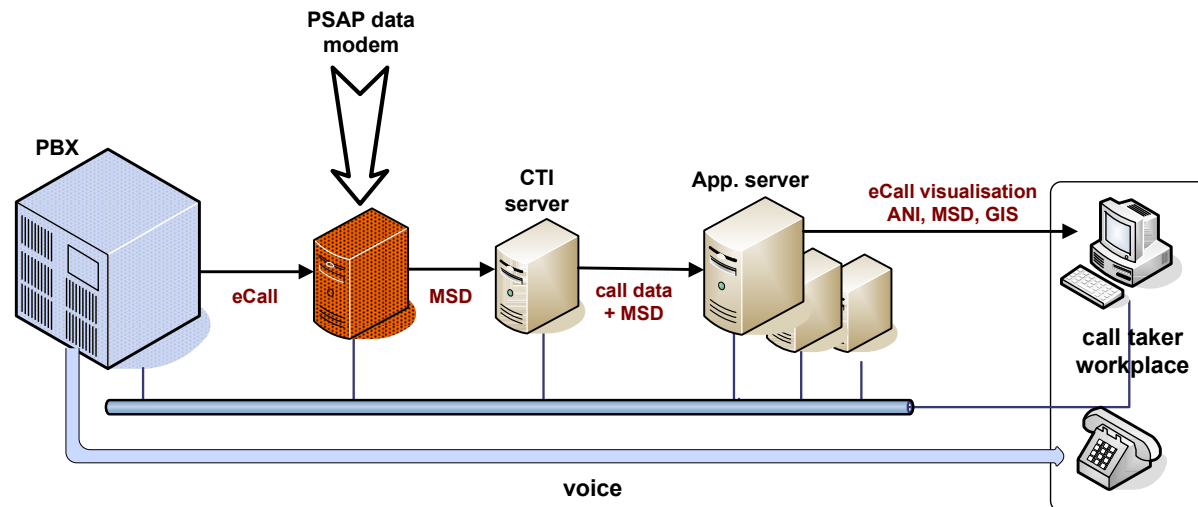
*Principle of eCall discriminator qualified routing*



# eCall Czech Pilot

## Pilot stream: PSAP

- PSAP upgrade
- Operation and Processes
- Full chain Emergency Management



*Principal scheme of PSAP upgrade*



Thank You !

<http://www.spacedepartment.cz>