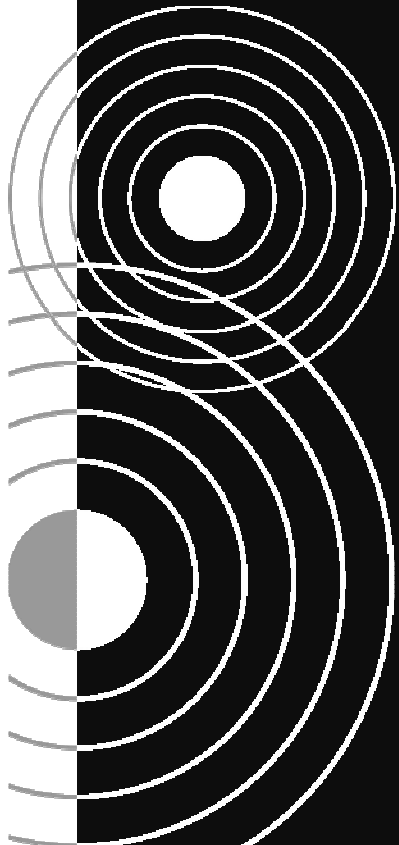


# PUBLIC SAFETY DATA COMMUNICATION ROADMAP

Proposal to setup a working group  
PSCE forum, Warsaw,  
December 1<sup>st</sup> , 2011



# CONTENTS

- Background
- Data Communication Working group
  - Objectives and Goals
  - Participants
- Next steps

05 December 2011

# BACKGROUND (1)

- Today's communication tools for public safety services cover only voice and low bitrate data
- There is a need for high data rate wireless communication
  - Situational awareness on site
  - Video transmission
  - Sensor information
  - Data access
- No "official" solution for high data rate wireless communication available
  - No dedicated spectrum available in this decade
  - No budgets available for dedicated broadband network
- Workarounds used:
  - Public networks e.g. UMTS, HSDPA
  - Wifi, WiMAX, wireless meshed Networks

# BACKGROUND (2)

- New wireless communication technology LTE (Long Term Evolution) is coming up this year
- LTE has interesting features and services that may make it attractive for public safety services to use

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# BACKGROUND (3)

- ... summary presentation of Manfred's Thesis ...

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# PSCE Data Communication Working group (1)

## Main Questions:

- Is LTE as communication technology generally usable for incident management for public safety services What has to be done to make it usable?
- Which operating models could be used?
- Timeframe: in the next 5 years

# PSCE Data Communication Working group (2)

Goal of the working group:

- Create a white paper that includes:
  - Roadmap and recommendations for the usage of LTE in public safety services
  - Advice to public safety organisation how to use LTE
  - Provides input for EC for FP8 program as a research topic
  - Provides input for industry: What is the technological gap that has to be closed to allow the usage of LTE for PSC?

# PSCE Data Communication Working group (3)

## Input:

- Public Safety User requirements
- Public safety scenarios for data communication
- LTE technological roadmap
- LTE commercial roadmap

## Timeframe

- Draft of Whitepaper in 12 months (December 2013), PSCE Conference Rome.
- Final in 18 Months (July 2014)



# PSCE Data Communication Working group (4)

## Requested Participants:

- Public Safety Users
- Industrial companies
- Research organisations

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# PSCE Data Communication Working group (5)

## Current list participants:

- Harold Linke – HITEC Luxembourg
- David Lund - HW Communications
- Frank Brouwer - WMC
- Roberto - HI-Iberia
- Robert Borgström - Ericsson
- Wojciech Dymowski, Adam Flizikowski - ITTI
- Manfred Blaha – Ministry of Interior, Austria
- Braam van den Ende – TNO
- Kate Yeadon – EPT

# Next steps

Call for participants and supporters:

- Public Safety Users
- Industry with LTE solutions
- Operators providing LTE services
- Research organisations interested in broadband communication

Kick-off January/February 2012.

Working tools:

- Phoneconferences, once a month
- Personal meetings at the PSCE- Forum