ETSI EMTEL initiative

ITU Seminar on Public Protection & Disaster Relief Communications 2002-09-24

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www.emtel.etsi.org
European Telecommunications Standards Institute
Not-for-profit organization
Created in 1988

Standardization body
for
- telecommunications
- areas common to:
  - radiocommunications;
  - IT; and
  - broadcasting

Purpose
“… to produce … the technical standards and other deliverables … required by its Members.”
912 members from 54 countries...

- Manufacturers 53%
- Other 23%
- Network operators 14%
- Administrations 7%
- Users 3%

672 Full Members 35 countries
191 Associate Members 19 countries
49 Observers 18 countries

... on 5 continents

www.emtel.etsi.org
14 Technical Committees
8 ETSI Projects
2 ETSI Partnership Projects
6 Special Committees
ETSI general EMTEL activities up to 2002

- **TC SPAN** - International emergency preference schemes and multimedia services
- **TC SES** - Satellite communications
- **TC SEC** - Security
- **TETRA** - Mobile narrowband and wideband communications for public safety applications
- **TIPHON** - Emergency telecommunications services in IP based networks
- **Project MESA** - Mobile broadband communications for public safety applications
- **3GPP** - Priority services and Location services for GSM and W-CDMA systems
ETSI EMTEL activity over the past year

- EMTEL Workshop (25-27 February 2002)
- Creation of EMTEL web site and e-mail discussion list
- TC SPAN workshop
- Creation of an SPAN EMTEL ad-hoc working group
- TC/EP review of all work items
- ETSI Board creates ad hoc group OCG EMTEL for the horizontal coordination of emergency telecommunication activities
- Project MESA meetings
- EP TETRA meetings
Contents

- Emergency management
- Public sector requirements
- Implementation issues
- Standardization activities
- Scenarios for the future
Different types of emergency need different solutions
- day-to-day emergencies
- disasters

Two routes need to be explored
- use of existing specs, functions, services
- define requirements for the future (e.g. Project MESA)

Not clear who sets requirements (not “market-driven”)

Fixed and mobile networks must co-operate
OCG EMTEL Terms of Reference (1)

- to coordinate the setting of emergency telecommunication requirements and undertake measures to efficiently continue and stimulate further co-coordinated work

- to identify relevant work outside ETSI, inform and stimulate appropriate activity in ETSI

- to provide mechanisms for the effective liaison between ETSI TB bodies and with external organizations

- to co-ordinate ETSI representation in external bodies

- to assist the Technical Organization in the development of a consistent set of deliverables
OCG EMTEL Terms of Reference (2)

The group shall concentrate on definition of requirements for:

- Communication of citizens with authorities/organisations in case of distress (emergency call handling)
- Communication between authorities/organisations during emergencies
- Communications from authorities/organisations to the citizens during emergencies
Workshop on Broadband Wireless Networks
12 – 13 September 2002

To Provide a forum for researchers, industrial partners and regulators to discuss advances in technologies applicable in broadband public safety wireless networks

- System Aspects
- Air Interface
- Protocols
- Satellite
- Quality of Service
- Ad Hoc Networking
- Future research

www.projectmesa.org/workshop2002/
STF - Specialist Task Forces

- Preliminary analysis of EMTEL and Local Emergency Service requirements for IP networks and Next Generation Networks
- Architectural Model and Concepts of EP TIPHON for critical Emergency Telecommunications Services providing Multimedia Communications and to ensure Interoperability in evolving network environments
- Next Generation Networks at home
Future Activities

- Coordination (OCG EMTEL)
- Enhancement of Location Services within GSM and W-CDMA Specifications
- Specification for Priority access
- Study to be performed on request of the European Commission
- Standardization actions resulting from STF recommendations
- Publication of Project MESA Statement of user Requirements
- Work on TETRA Wideband Solutions
- Work with the car industry
- Home networks

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Welcome to work with ETSI on Emergency Telecommunications

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