

ETSI EMTel initiative



ITU Seminar on
Public Protection &
Disaster Relief Communications
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ETSI Standards Making Support (SMS) department
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European Telecommunications Standards Institute

Not-for-profit organization

Created in 1988

Standardization body

for

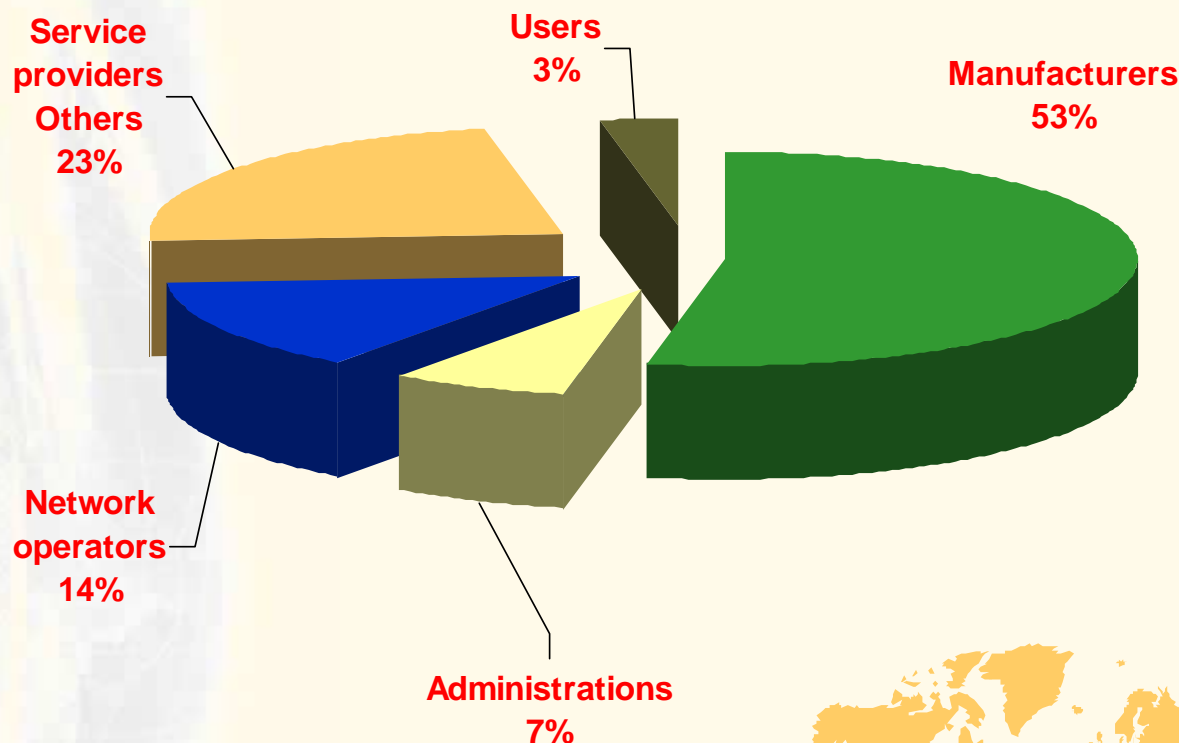
- telecommunications
- areas common to:
 - radiocommunications;
 - IT; and
 - broadcasting



Purpose

“... to produce ... the technical standards and other deliverables ... required by its Members.”

912 members from **54 countries...**



672 Full Members

35 countries

191 Associate Members

19 countries

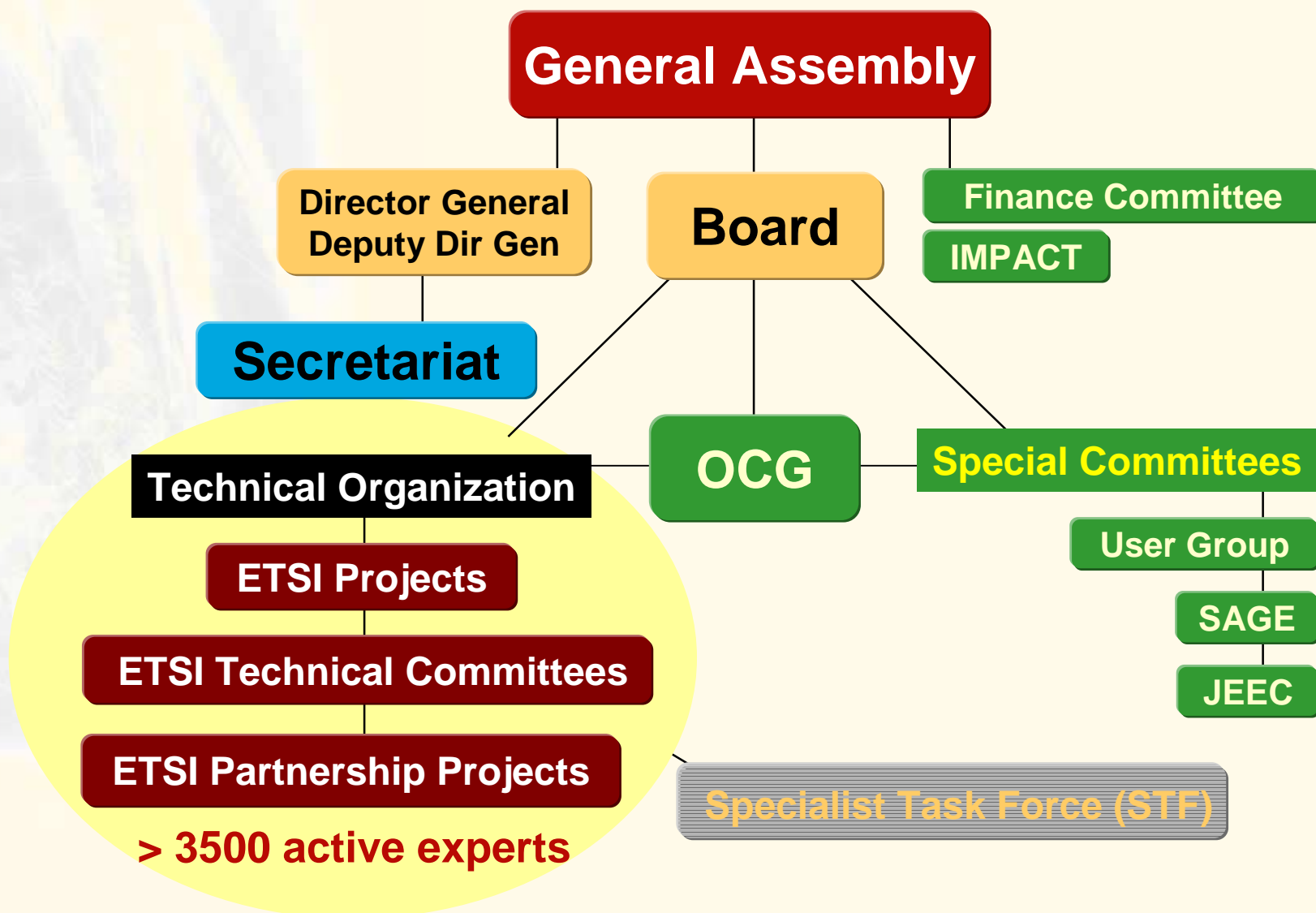
49 Observers

18 countries

... on 5 continents



ETSI organization



TECHNICAL COMMITTEES

TC AT
Access and Terminals
Ch: Nuno Encarnação
OFCOM
CP: Ted Laverack

ECMA TC 32
Communication, Networks
& Systems Interconnection
Ch: John Elwell Siemens
CP: Christian Julien

TC ERM
EMC and Radio
Spectrum
Ch: Oliver Völs
CP: Michael

TC M
Mobile Standards
Ch: François
Alcatel P
CP: Cesar

TC S
Telecommunications
Equipment
Ch: Richard H
CP: Claire d

TC S
Satellite Earth Stations
& Systems
Ch: Alain Richard Alcatel NV
CP: Balazs Kicz

TC STQ
Speech processing,
Transmission & Quality
Ch: John Horrocks DTI
CP: Claire d'Escleros

Telecom
Management
Ch: Franck P
CP: M

ETSI PARTNERSHIP PROJECTS

EP
Third Generation
CP: Jo

3GPP-CN
Core Networks
Ch: Stephen Hayes
Ericsson (T1)
CP: David Boswarthick

EP M.COMM

CP: Claire d'Escleros

MESA SA
Services and Applications
Ch: Craig M. Jorgensen
APCO Project 25
CP: Claire d'Escleros

ETSI PROJECTS

EP BRAN
Broadband Radio Access Networks
Ch: Jamsid Khun-Jush
Ericsson Eurolab
CP: Balazs Kicz

EP DECT

SPECIAL COMMITTEES

Finance Committee
Ch: Horst Domeier
Sepp Wolfelders

ETSAG
European Telecommunications
Standards Awareness Group
Ch: Michael Strauss, Siemens
Christopher Corbett

EC
EMA Committee
Ch: den Beld
EMA
Christian Julien

Group
Ch: Gebhard
Telekom AG
Pagnozzi

14 Technical Committees
8 ETSI Projects
2 ETSI Partnership Projects
6 Special Committees



<http://portal.etsi.org>

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

EMERGENCY TELECOMMUNICATIONS

Sophia Antipolis -----
----- 26-27 February 2002

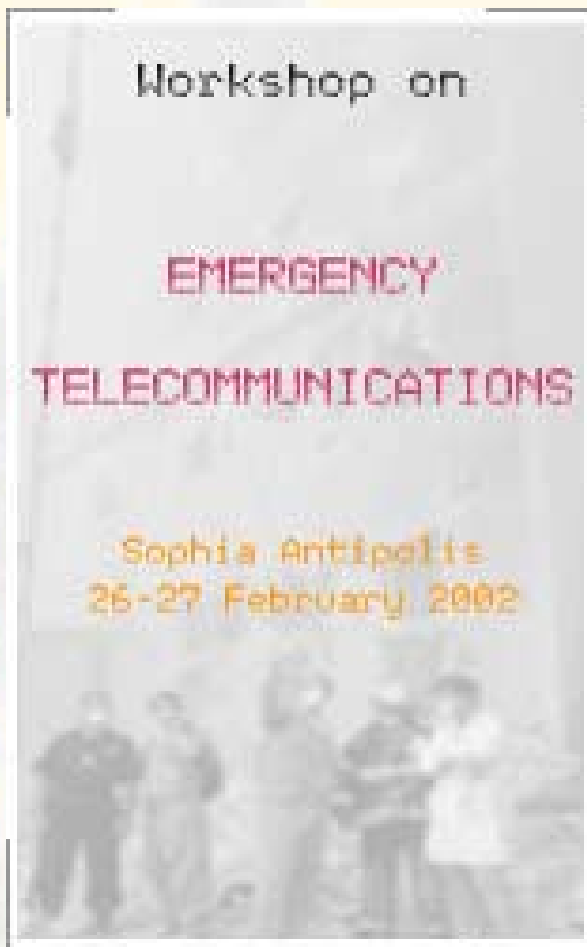
*Communications services
to assist public
safety and disaster
relief agencies in
minimizing risk to
human life and
property*

8

*to cover the
necessary general
public information
and communication needs*

Contents

- Emergency management
- Public sector requirements
- Implementation issues
- Standardization activities
- Scenarios for the future



Conclusions

- **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



**Welcome to work with
ETSI on
Emergency Telecommunications**

www.emtel.etsi.org