



ETSI

A European Standards Organization, setting International Standards

Adrian Scrase

CTO, ETSI



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ETSI

- A European standards organization
- Officially recognised by the EC
- Active in all areas of ICT
- Setting globally-applicable standards for
 - telecommunications
 - radiocommunications
 - broadcasting
 - related topics
- An independent, not-for-profit organization, created in 1988
- Offering direct participation
- We have 15,000 publications - freely available!



<http://www.etsi.org>

<http://portal.etsi.org>

ITU-T Workshop on "Mobile Telecommunications and Fixed/Mobile
Convergence – the realities going forward "

12-14 Sept 2005, Kiev, Ukraine



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ETSI

We are the home of the GSM™ standards...



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ETSI

...and a founding Partner in



A GLOBAL INITIATIVE

The 3rd Generation Partnership Project

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ETSI 's Three Primary Roles

- As a European Standards Organization (ESO)
 - Only ETSI can produce Harmonised Standards (Telecoms) used to satisfy EC Directives
 - ETSI is directly involved in EC RSPG, RSCOM and TCAM (influencing Spectrum allocation and requirements to place products on the market)
 - ETSI is directly involved in CEPT ECC, (influencing Spectrum harmonisation)



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ETSI 's Three Primary Roles

- o As a Global Standards Organisation (GSO)
 - ETSI prepares standards intended to meet International needs (e.g., GSM, IMT2000, DECT, DVB)
 - ETSI works in close collaboration with other worldwide standardization bodies (via specific Agreements, Global Standards Collaboration, and Partnership Projects)
 - Market acceptance is proof of ETSI's International success (e.g., GSM, IMT2000, DECT, DVB)



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ETSI 's Three Primary Roles

- o ETSI as a Service Provider (SP)
 - Providing an Interoperability service (Plugtests™) open to all
 - Providing Forum hosting and secretariat services (Forapolis)



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Changes during ETSI's lifetime

- Monopoly → Competition
- Hardware & Technology → Software & Applications
- Telecoms → Internet
- Subscriber → Client
- Industry Convergence/Integration

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ETSI 's Mission

The mission of ETSI is to develop globally applicable deliverables meeting the needs of the Information and Communications Technologies (ICT) community, whilst supporting EU and EFTA regulation and initiatives.

In order to achieve its mission, ETSI favours international collaboration.

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ETSI 's innovations

- Direct representation in standards-making
- Specialist Task Forces (Project Teams)
- An open process
- ISO 9001:2000 certification
- Standards for free
- Products matched to market needs
- Competence Centres
- Electronic working

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Positioning ETSI

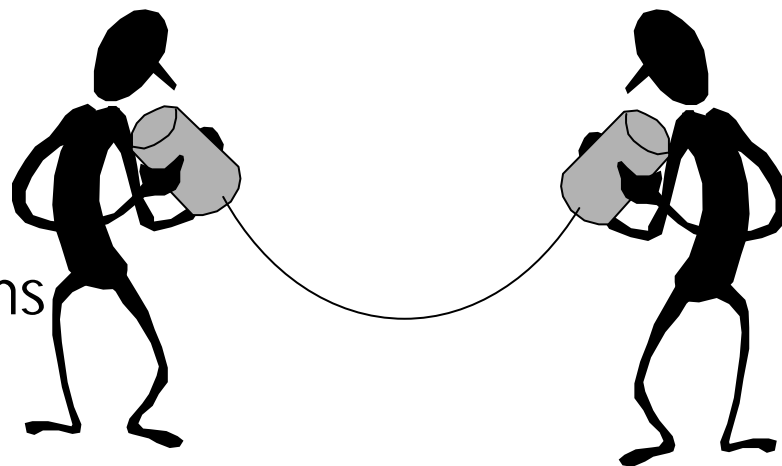
- Globalization, convergence
- The ITU remains *ETSI's* global partner of choice
- *ETSI* is ready for international partnerships
- *ETSI* is ready to broaden its scope, preferably in good partnerships
- "Time to market" remains a critical issue



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ETSI 's fixed network work includes...

- Plain Old Telephone Service (POTS)
- Fax, modems, etc
- Telecoms networks
- ADSL etc
- Cable distribution systems
- Exchange equipment
- Protocols
- Power line telecommunications
- Safety
- Speech recognition
- SMS for fixed networks



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ETSI 's wireless work includes...

- Mobile
 - GSM, UMTS, Railway communications, PMR
- Cordless (DECT)
- Spectrum matters & electromagnetic compatibility
- Wireless Local Area Networks
- TETRA & other public safety systems
- Broadcast
- Satellite communications
- Short range devices
- Aeronautical and marine radio
- Wireless medical devices
- Ultra wideband (UWB)



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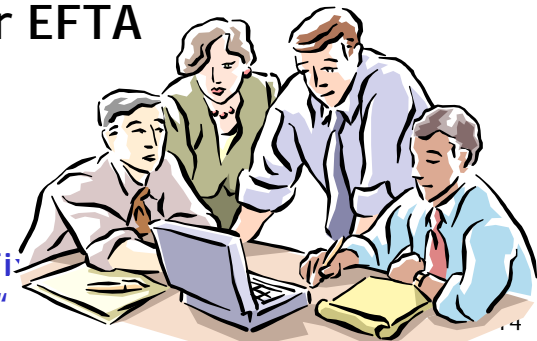
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Four types of Member

- Full member
 - Established in geographical area of Europe (as defined by CEPT)
 - Committed to ETSI Statutes and Rules of Procedure
- Associate member
 - Committed to ETSI's work, but without a presence in the CEPT geographical area of Europe
- Observer
 - Entitled to be full member, but not wishing to participate in ETSI's technical work
- Counsellor
 - Representative of European Commission or EFTA Secretariat



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Five Categories of Member

- Administrations, Administrative Bodies and National Standards Organizations
- Network Operators
- Manufacturers
- Users
- Service Providers, Research Bodies, Consultancy Companies/Partnerships, and others



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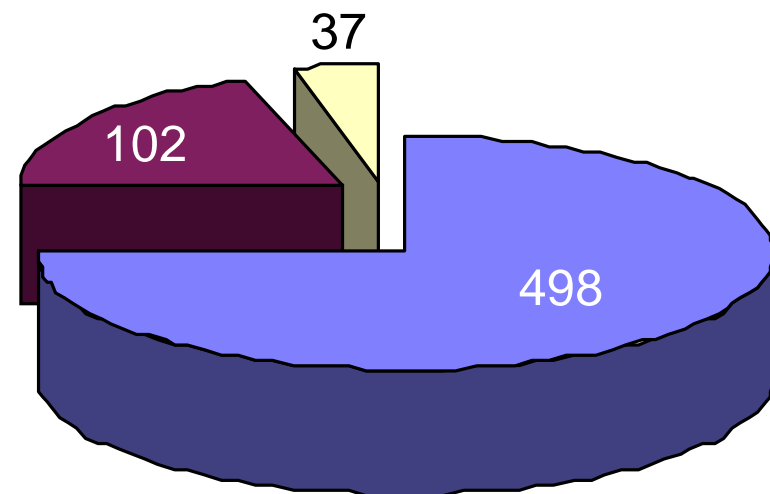
ETSI Membership

(April 2005)

- 498 Full Members from 36 European countries
- 37 Observers
- 102 Associate Members from 20 non-European countries

637 TOTAL from 56 countries

- Full Members
- Associate Members
- Observers



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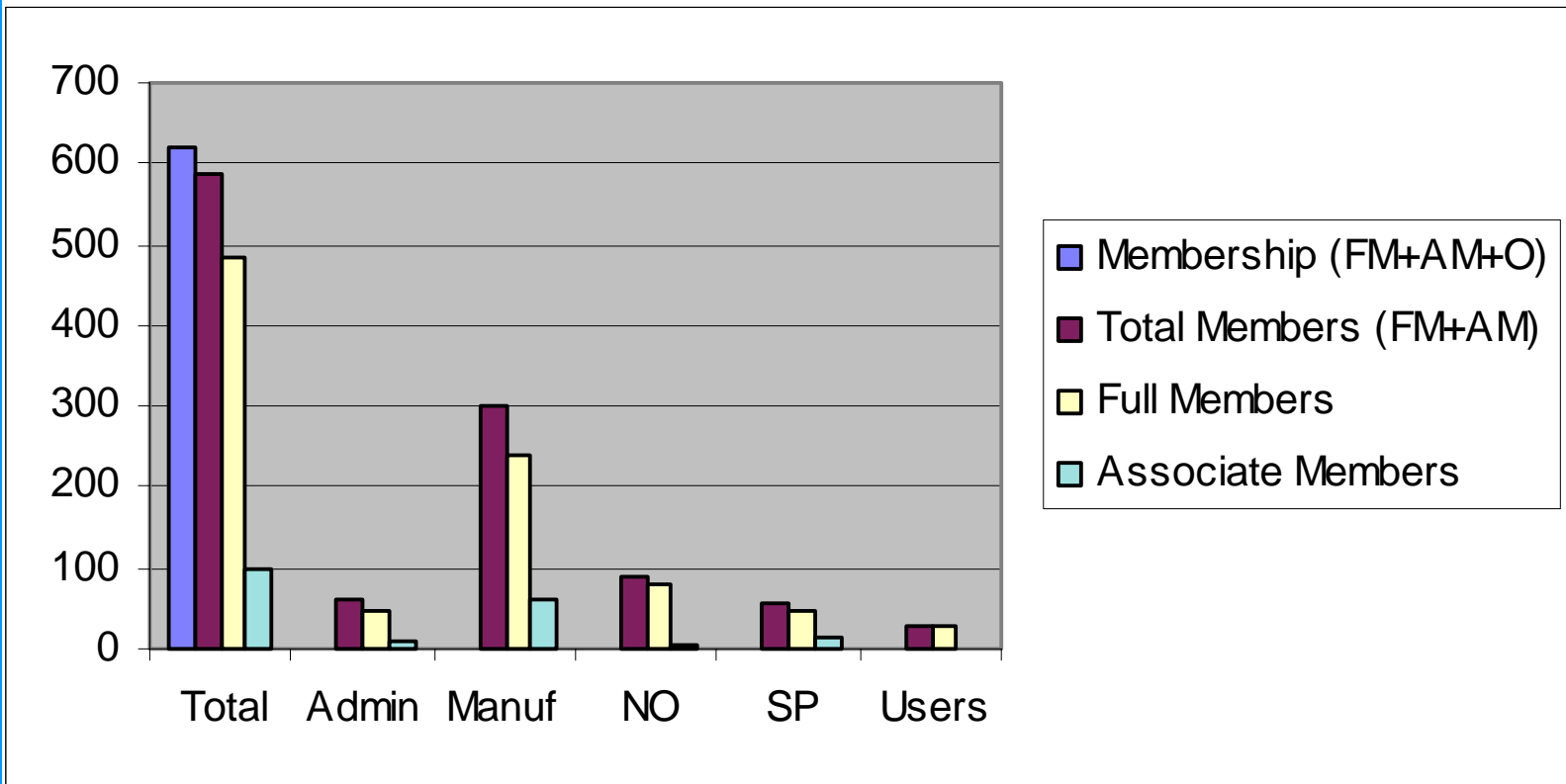
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Membership by Category

(April 2005)



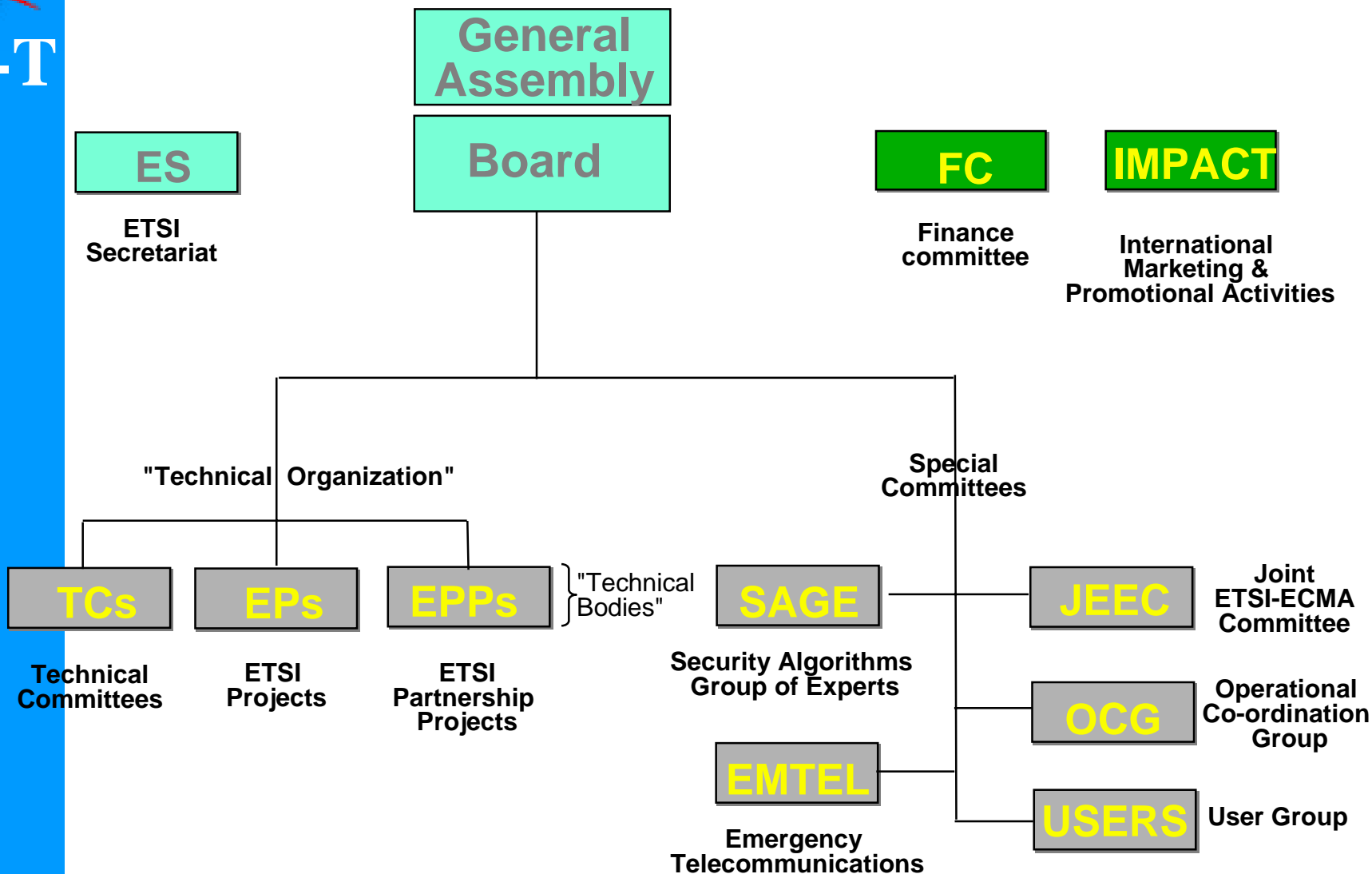
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ETSI Structure



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Technical Organization

- Produces and approves technical standards
- Work programme determined by ETSI members
- Consists of Technical Bodies (TB)
 - Technical Committees (TC)
 - ETSI Projects (EP)
 - ETSI Partnership Projects (EPP)
- More than 200 groups
- More than 3500 experts



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ETSI Secretariat

- Mission:
 - To serve ETSI Members and help them maximize the return on their standardization investments, by anticipating their needs and responding rapidly and efficiently to their requests

- Around 100 staff, based in Sophia Antipolis
 - Providing technical, project, administrative and logistical support to the ETSI community



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ETSI Secretariat

- Supports all activities of the Institute
- Around 100 staff, which comprise:
 - 'Mobile Competence Centre'
 - 'Fixed Competence Centre'
 - 'Radio Competence Centre'
 - 'Protocols and Testing Competence Centre'
 - Plugtests™ service
 - Forapolis service
- Additional technical experts on a full time basis in Specialist Task Forces (STF)
 - based at ETSI headquarters
 - at any time, about 30 STFs, 100 experts



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ETSI Deliverables

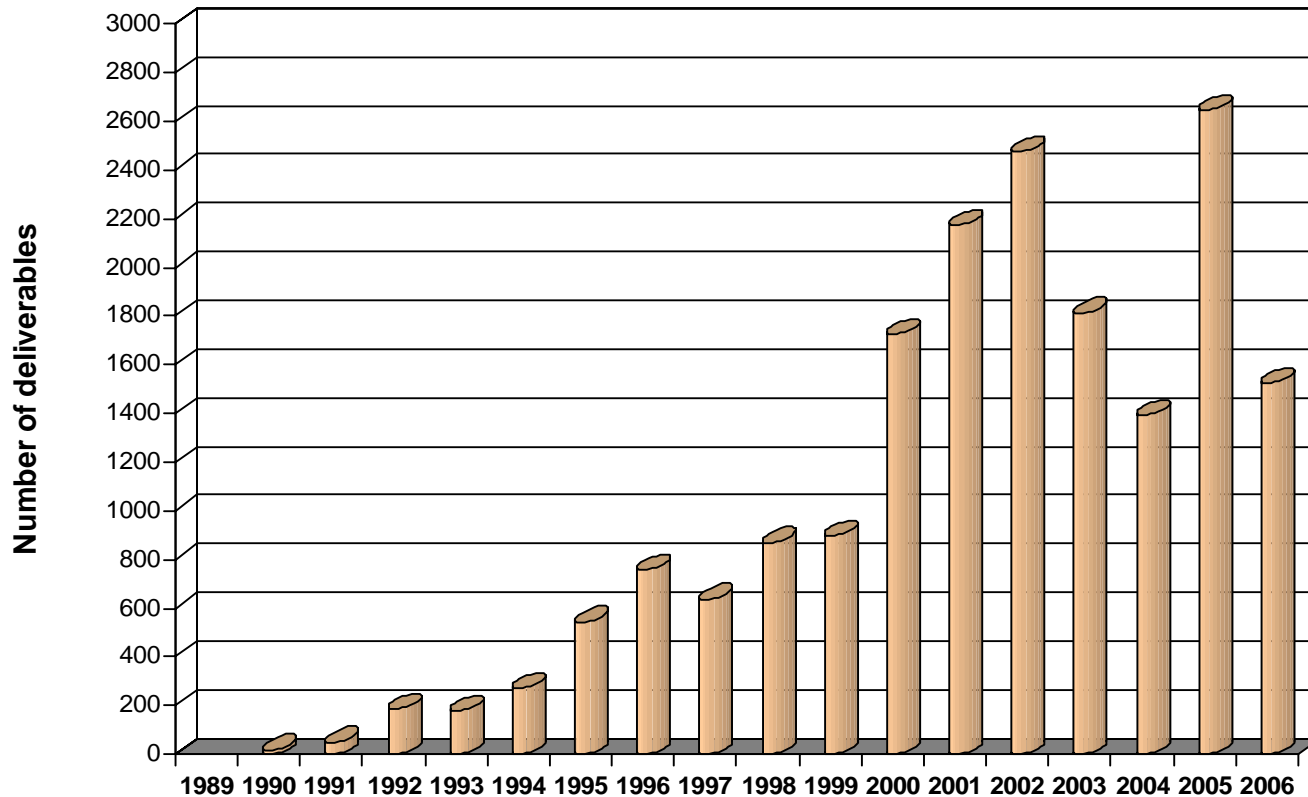
- ETSI Technical Specifications (TSs)
- ETSI Technical Reports (TRs)
 - Approved by the TC or Project concerned
 - Traditional or web-based voting
- ETSI Standards (ESs)
- ETSI Guides (EGs)
 - Approved by the full ETSI Membership
 - Web-based voting tool
- European Standards (ENs, telecommunications series)
 - Approved by National Delegations, through the National Standards Organizations (NSOs)
 - Web-based voting tool



Annual PRODUCTION

(Values for 2005 onwards are predicted values)

All Technical Bodies/all deliverable types to end 2006



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ETSI in the World



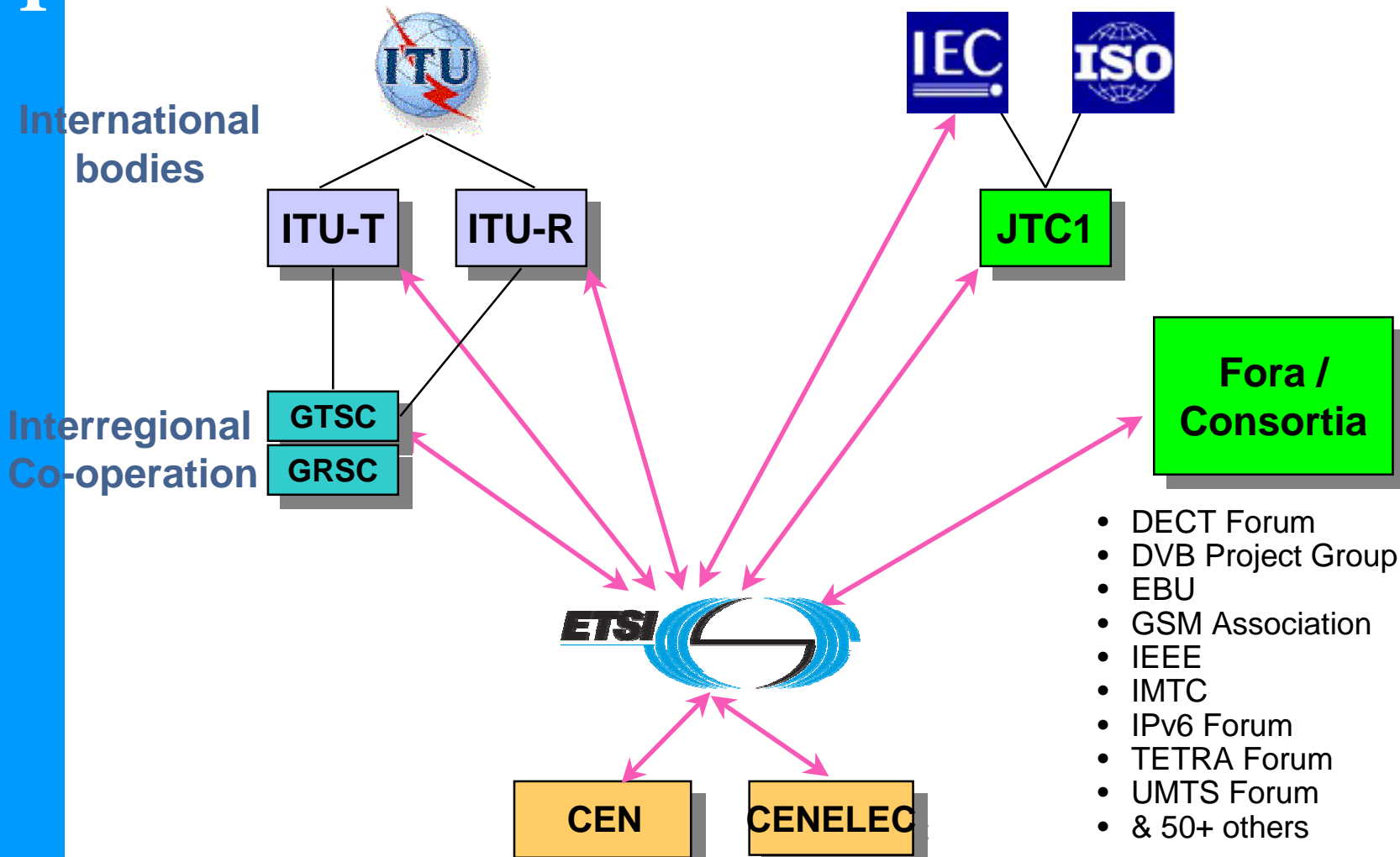
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ETSI's relations with ITU, IEC & ISO and Standards Bodies



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Global Standards Collaboration

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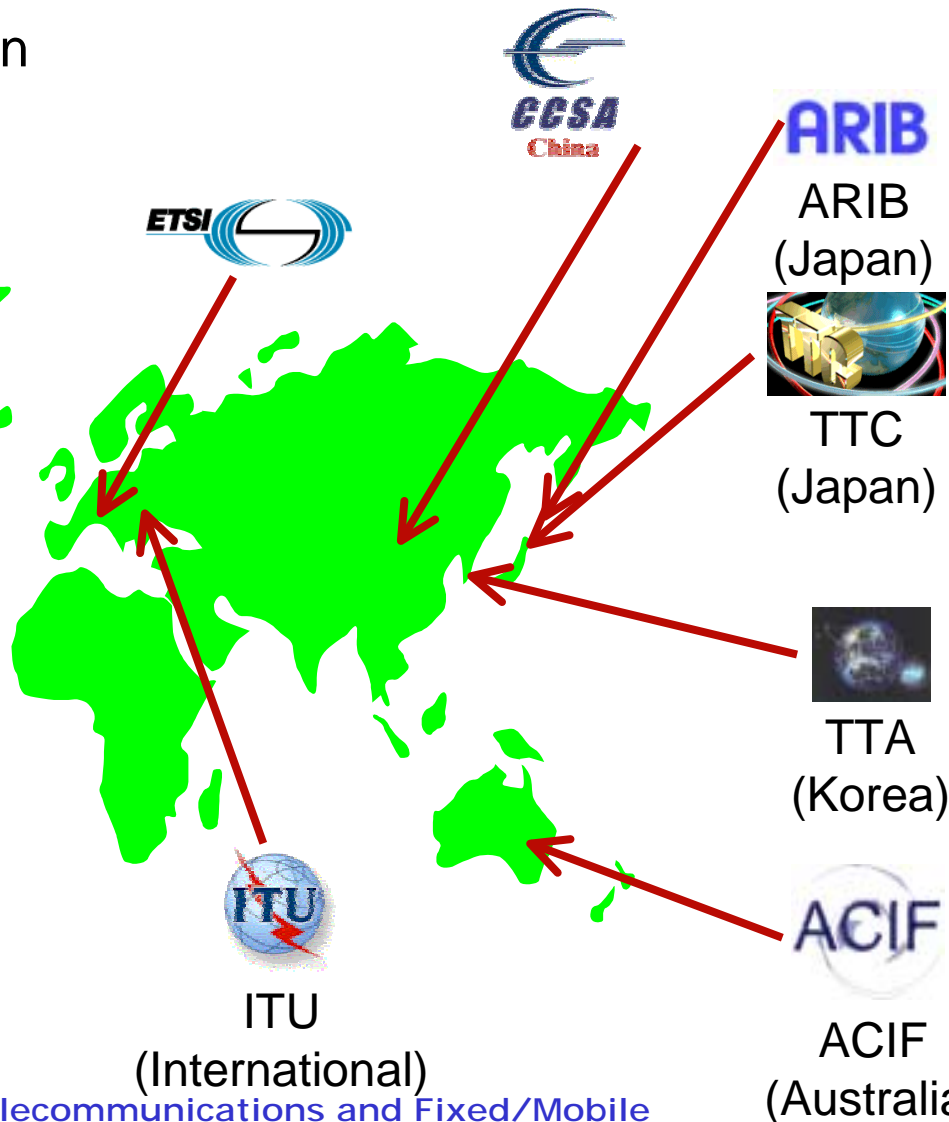
Interregional collaboration on selected standardization subjects between

 ISACC (Canada)

 TIA (USA)

 Alliance for Telecommunications Industry Solutions

ATIS (USA)



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ETSI Partnership Projects



3rd Generation Partnership Project

-specifying a W-CDMA system based on an evolution of the GSM core network, a member of the ITU's IMT-2000 family

Organizational Partners:

ARIB (Japan), CCSA (China), ETSI, TTA (Korea), TTC (Japan), ATIS (USA)

Market Representation Partners:

GSA, GSM Association, UMTS Forum, IPv6 Forum, 3G Americas, TD-SCDMA Forum

<http://www.3gpp.org>

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ETSI Partnership Projects

Mobile Broadband for Emergency and



Safety Applications

Formerly: **Public Safety Partnership Project**

- **initiated by ETSI Project TETRA (under the name of DAWS)**
- **and by TIA and the Association of Public-Safety Communications Officials (APCO) under APCO's Project 34.**

Organizational Partners:

ETSI, TIA (USA)

Observers:

ISACC (Canada), TTA (Korea)

<http://www.projectmesa.org>

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Co-operation with EC and EFTA

- EC: Green Paper on Telecommunications (1987)
- Counsellors of ETSI
- Contribution to the ETSI Work Programme
- ETSI official recognition by the EC in Summer 1992
- Framework Contracts
- "Mandated" (contracted) work in support of European regulation and legislation



Radio Spectrum and Market Access

- Marketing of radio equipment is regulated at the European level, BUT only National Governments can allocate spectrum
- European Commission can direct the allocation of spectrum by Member States (Directives, Commission Decisions)
- CEPT recommends & co-ordinates the allocation of spectrum by European Administrations on a voluntary basis
- Important National variations remain





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Radio Spectrum and Market Access

- o European Commission
 - Radio Spectrum Policy Group
 - Provides opinions to the Commission on spectrum matters affecting European policies
 - Radio Spectrum Committee
 - Enacts binding spectrum regulations (Commission Decisions)
 - TCAM
 - Member States Committee under R&TTE Directive, which sets requirements on equipment for placing on the market
- o CEPT
 - Electronic Communications Committee
 - Co-ordinates National radio Administrations
- o ITU
 - World Radio Conference
 - Maintains Radio Regulations (International treaty)

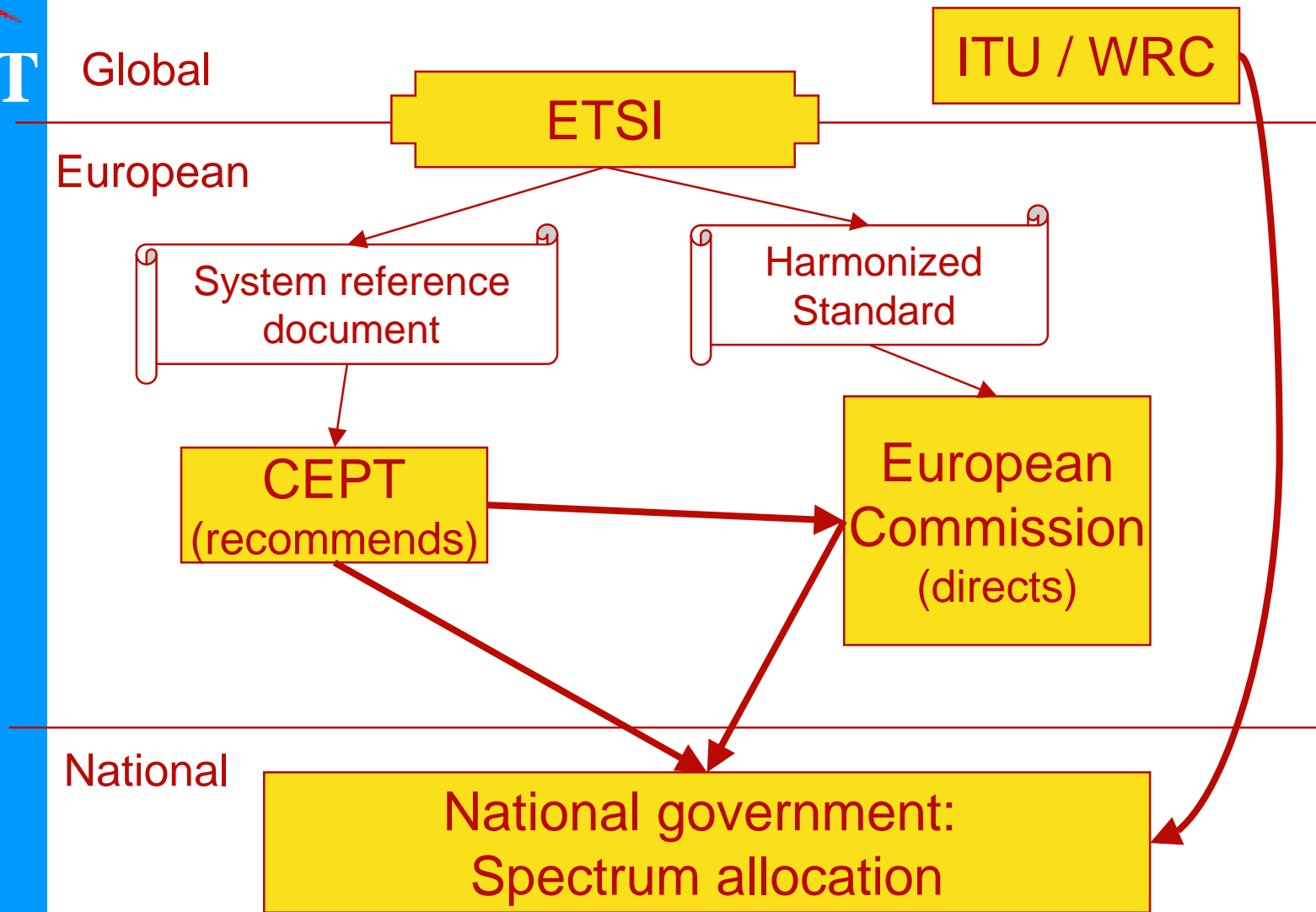
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Key relations



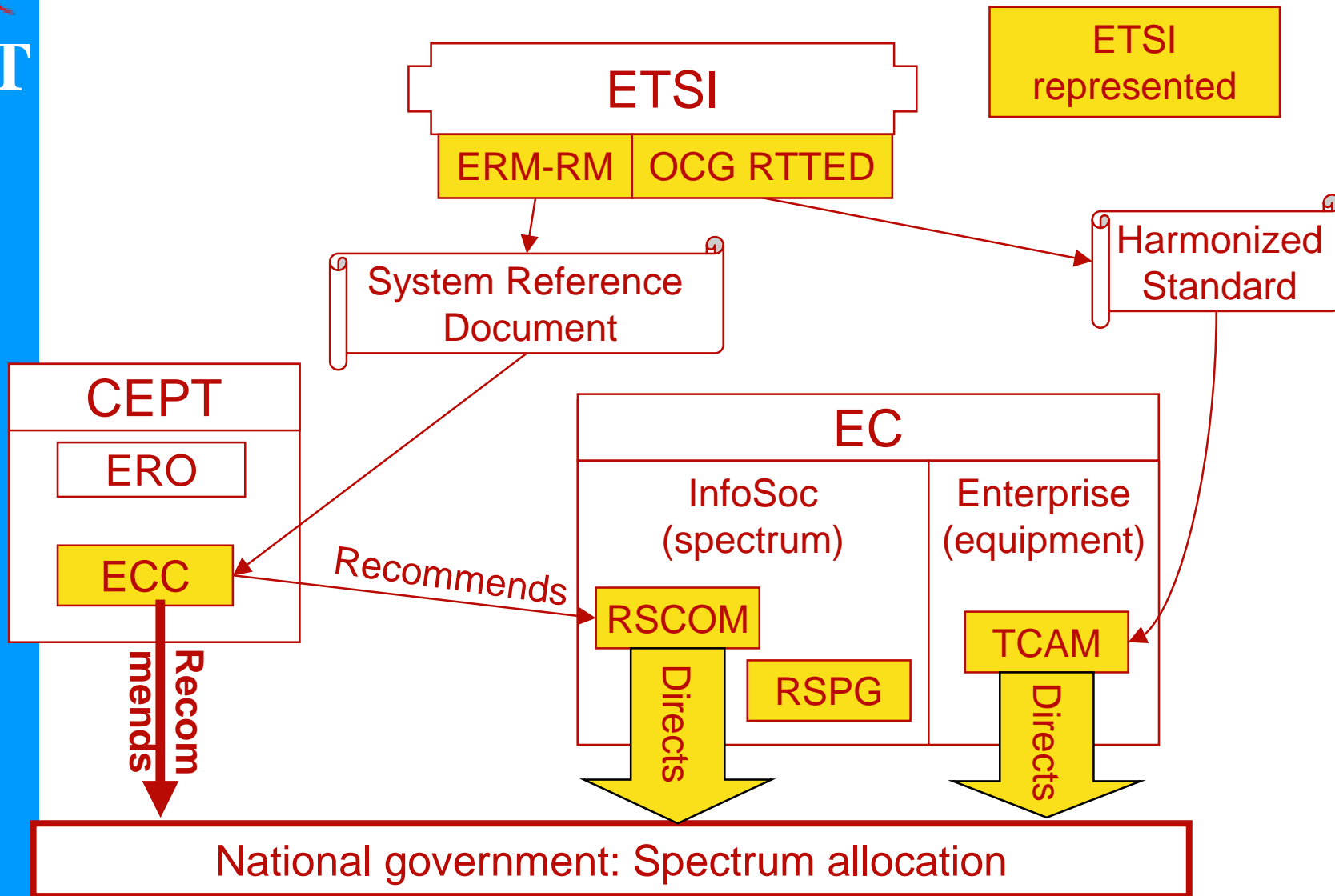
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Thank you for your attention

adrian.scrase@etsi.org



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Helpdesk

**For general enquiries about ETSI activities, deliverables
& IT questions**

Tel: +33 (0)4 92 94 49 00

Internet: helpdesk@etsi.org

**Address: ETSI helpdesk, 06921 Sophia Antipolis Cedex,
France**

www: <http://portal.etsi.org/Helpdesk/home.asp>

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