

Function and role of European organisations in conformity assessment

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Content

DG INFOSOC (RSC)
DG ENTERPRISE (TCAM)
TRIS and NANDO
R&TTECA
ETSI
CEPT
ERO
ECC
EFIS

DG INFOSOC

**Most important
organisation is the**

Radio Spectrum Committee

- ◆ **Gives insight in spectrum developments**
- ◆ **All publicly available documents relating to RSC meetings may be found at:**

<http://forum.europa.eu.int/Public/irc/infso/radiospectrum/home>

Go to Library and select documents per meeting

Radio Spectrum Committee

**Examples of
Major items
discussed**

Radio Spectrum Committee

Examples of items under discussion

UHF Radio Frequency Identification Devices (RFID):

The RSC gave a positive regulatory opinion on a draft Commission Decision on the harmonisation of radio spectrum for use by RFIDs in the UHF band. This opens the way to the adoption of the Decision by the Commission, expected by end 2006.

Multimedia services:

A draft EC Mandate to CEPT was given a positive advisory opinion by the Committee. Its aim is to harmonise the band 1452-1479.5 MHz to allow flexible use by mobile multimedia technologies.

Mobile communications on board aircraft:

RSC gave a draft EC Mandate to CEPT a positive advisory opinion. The definition of harmonised technical parameters ensuring the compatibility between on-board mobile networks and other spectrum users is required to provide a supportive regulatory environment for the introduction of commercial mobile phone services in airplanes.

Ultra-Wideband (UWB):

The final CEPT report on UWB specific applications was presented. The main elements for a Commission Decision on the harmonisation of radio spectrum use for UWB above 6 GHz were discussed, but were not ready to go for regulatory opinion by RSC. The matter will be revisited in December 2006.

RSC Items under discussion

Mobile Satellite Systems (MSS):

The final CEPT report under the EC Mandate on 2 GHz MSS. Agreement was reached on the main elements for a draft EC Decision on harmonised 2 GHz spectrum allocation for MSS. A draft Decision is planned to be submitted to RSC for its regulatory opinion.

Radio Local Area Networks (RLANs) at 5 GHz:

The need to amend the Decision 2005/513/EC on 5 GHz RLANs was agreed, with the aim to avoid discrepancies on technical provisions with the corresponding ETSI Standard, thus removing uncertainties from the market. A draft Decision will be submitted to RSC.

Spectrum information:

A final CEPT report on the EC Mandate on spectrum information was presented. Administrations supported the enhancement of the current EFIS information system set up by the ERO Office to cover the complete set of relevant information elements. The aim is to establish an EU single portal providing information on spectrum usage.

Short Range Devices (SRDs):

A final report on the second EC Mandate on SRDs was presented. Follow-up actions on "collective use of spectrum" will be discussed.

DG ENTERPRISE

**Responsible for daily
operation of the
R&TTED**

TCAM

TCAM

Telecommunications Conformity Assessment and Market Surveillance Committee

TCAM assists the EU Commission:

- ◆ **composed of representatives of the MS,**
- ◆ **chaired by an Commission representative.**

TCAM was set-up to facilitate the exchange of documents between Member States and the Commission.

R&TTE Directive:

TCAM (formal committee) = Member States
General Policy Issues and advice to the Commission

CENELEC / ETSI

**ERC TG2, WG RR
ERC FM SRD MG**

Equipment classification subgroup

Radio interface subgroup

**ADMINISTRATIVE COOPERATION
(ADCO) Market surveillance**

**R&TTE Compliance
Association
Notified Bodies**

Example of TCAM Groups

TCAM RIG *Radio Interface Group*

The group deals with Classification of products and notification issues.

TCAM CAPD *Communications Access for People with Disabilities*

This group has been established to ensure that Telecom Products are accessible to people with special needs.

Example of TCAM Group

ADCO

ADministrative Co-Operation Group

**Will be dealt with separately in the
presentation.**

Examples of some recent TCAM activities

- ◆ **introduction of Article 3.3f essential requirements to ensure e-Accessibility;**
- ◆ **new directive affecting radios for use on inland waterways;**
- ◆ **RFID tags;**
- ◆ **classification of graphics tablets as being outside R&TTED;**
- ◆ **FM relay devices (currently Class 2 and now usable in Estonia, Finland, Germany, Iceland, Liechtenstein, Spain & Switzerland);**
- ◆ **Acoustic safety.**

Information from TCAM

TCAM provides very important information for CAB's

How to get access to this information at an early stage?

Become member of R&TTECA!

R&TTE CA
(Compliance
Association)

R&TTE CA (Compliance Association)

◆ AIM:

- Information exchange
- Framework for Co-ordination between CAB
- Problem solving

ANYBODY CAN JOIN WHO IS INTERESTED

◆ Interested?

- www.rtteca.com
- jan.coenraads@brynyago.com
- barry.cartman@cartman

chairman
secretary

R&TTE CA (Compliance Association)

- ◆ **Members:**
 - **Notified Bodies + MRA CAB**
 - **Manufacturers**
 - **Consultants**
 - **Test Laboratories**
 - **Authorities**
 - **Other interesting parties**

- ◆ **Observers, such as:**
 - **European Commission**
 - **ECACB**
 - **TCB Council (USA) JVLATE (Japan)**

Example of R&TTE CA TGN

R&TTE CA TGN 10

R&TTE Compliance Association

Guidance on the Minimum Content of a Notified Body Opinion Document

Introduction

Annex IV of Directive 1999/5/EC provides for a notified body to give an opinion on a technical construction file but without guidance on the format and content of such an opinion. In practice, some opinions have been found to be misleading.

Guidance

The table below sets out minimum criteria for a notified body opinion. In all other respects, a notified body is free to choose its own format and may include additional information such as the manufacturer's details, conformity assessment procedure, reference standards, intended purpose & other remarks/observations.

Title	"Directive 1999/5/EC – Notified Body Statement of Opinion" or similar text using the word "opinion" and avoiding use of words such as "certificate" and "declaration".
Notified body details	Name, address etc, logo. NB number
Opinion number	Unique number of opinion. Revision number and / or copy number if applicable.
Date	Date of issue.
Applicant details	Name, address etc of the party seeking the opinion.
Scope of opinion	Whether the opinion is in respect of health & safety ¹ (Article 3.1a), EMC (Article 3.1b), radio spectrum use (Article 3.2) and/or special features (Article 3.3a-f).
Identification of apparatus	The goal is to give the <u>minimum</u> information from the following list such that a third party would be able to uniquely identify the item in question. Description of apparatus including brand/trade name, model/type designation, software revision. Serial number if opinion was based on test/examination of a specific physical sample. Reference of any build status / design documentation taken into account. For TTE, network interface compatibility. For radio equipment (as appropriate): <ul style="list-style-type: none"> o Frequency band(s)/range o Transmit power / power range o Modulation type ...etc.
TCF Identification	Unique identification of the documentation etc. taken into consideration irrespective of the actual physical format of the TCF.
Opinion text	The text stating whether the apparatus complies or not. (See example.)
Authorised signatory	Signature block including printed name of the signatory.

Example of opinion text:

Our opinion in accordance with Annex IV of Council Directive 1999/5/EC on radio equipment and telecommunications equipment and the mutual recognition of their conformity is that the apparatus identified above complies / does not comply with the requirements of that directive stated in the above scope.

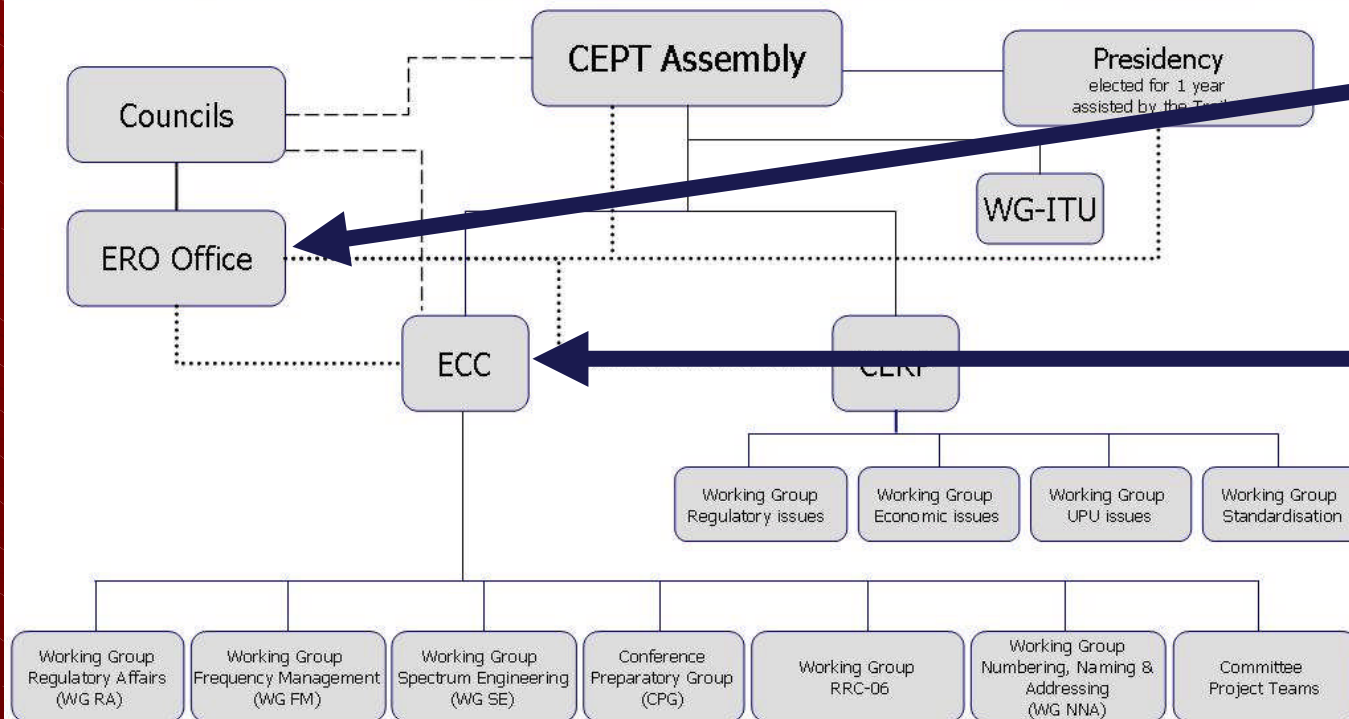
Disclaimer

This guidance document does not replace the text of the R&TTE Directive and is for guidance only. In legal disputes the text of the Directive, or its implementation in National legislation, takes precedence.

¹ Note that "health & safety" includes EMF as well as electric shock and other hazards. The opinion should be clear about which hazards are included if Article 3.1a is referenced in its scope.

CEPT Organisation

CEPT organisation



Note: ERO is the permanent office established in Copenhagen

Updated: Sep 2005

..... Support from ERO

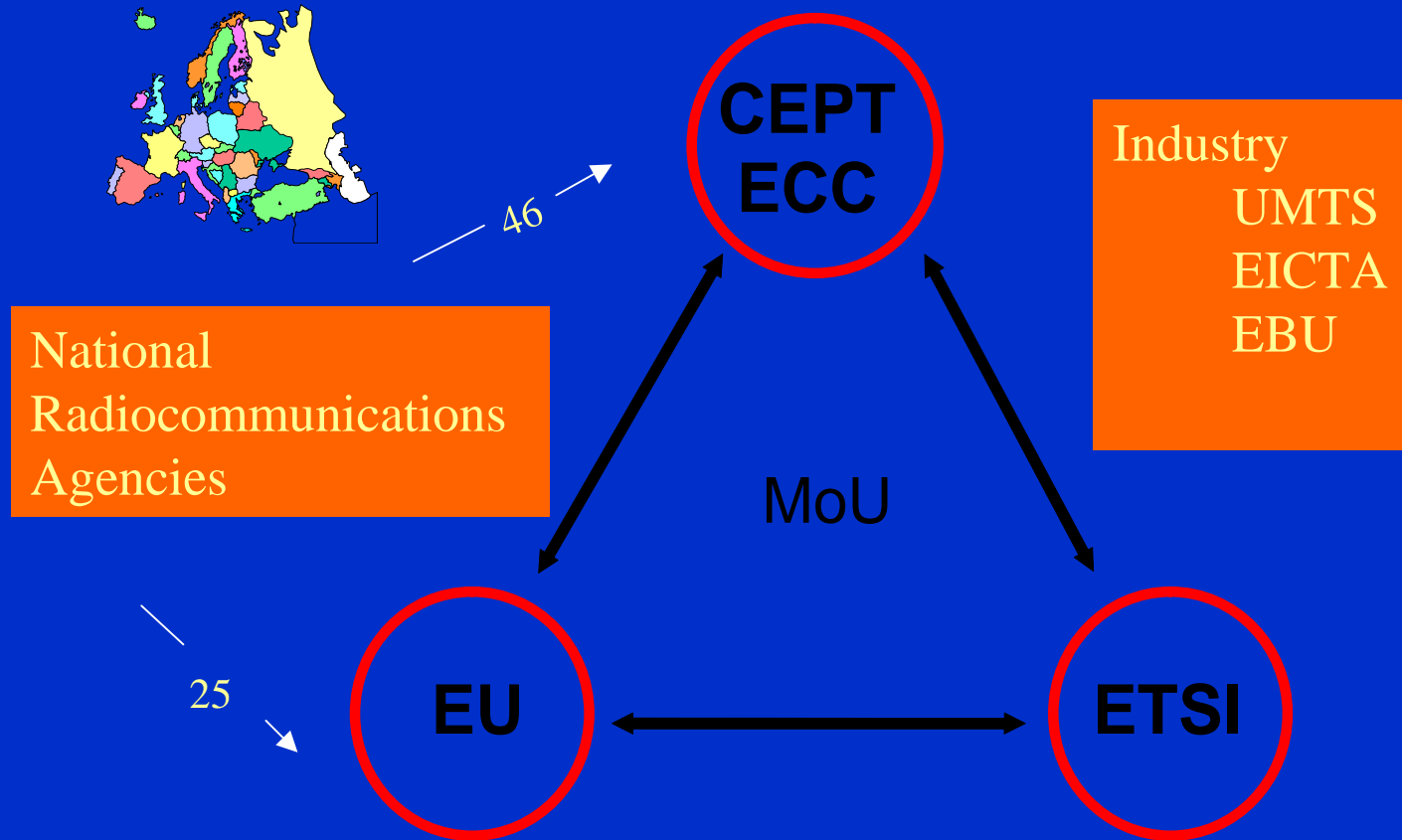
----- Consultation with Councils

Important

Electronic Communications Committee (ECC)

European Radiocommunications Office (ERO)

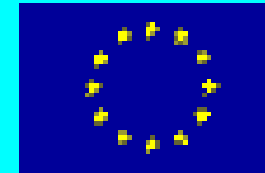
Main Players in Europe



Use of Radio Spectrum in Europe

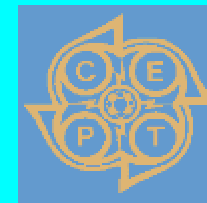
Spectrum policy:

- ◆ Identifying spectrum need
- ◆ Initiating harmonisation
- ◆ Setting priorities
- ◆ Defining regulatory environment



Spectrum management:

- ◆ Planning allocation
- ◆ Technical conditions of usage
- ◆ Assignment



EU R&TTE Directive/Spectrum Decision

R&TTE Directive:

- Deals with **placing on the market and use** of radio equipment
- Imposes legal obligations (EMC, non interference etc.)
- Refers to **harmonised standards** mandated to ETSI
- Requires publication of **radio interfaces**
- **Replaces** national regimes

Spectrum Decision:

- Harmonisation of **spectrum usage**, based on mandates to CEPT
- Framework for defining **spectrum policy**
- Framework for deciding on **technical implementation measures**
- Availability of **information on spectrum usage**

CEPT

- **46 European countries**
- **Regional Telecommunications Organisation with no legislative powers**
- **Decisions/Recommendations**
- **Aims:**
 - **To strengthen relations between members**
 - **To promote co-operation**
 - **To contribute to dynamic & competitive market**

Mandates to CEPT

- ◆ **EU Radio Spectrum Committee advises EU Commission on mandates to CEPT**
- ◆ **Mandates issued to CEPT for technical implementation measures (tasks/timetable):**
 - **Harmonisation of radio frequency allocations**
 - **Information availability**
- ◆ **Commission decides on application of mandates results through Decisions (legally binding)**
- ◆ **If work progress / mandate results not satisfactory, Commission may adopt measures to achieve objectives of the mandate**

Some CEPT Deliverables

- ◆ **ECC Decisions are “primary method of ensuring the provision of the necessary frequencies for new Europe-wide radio services”**
- ◆ **Over 50 ECC Decisions on spectrum harmonisation**
- ◆ **European Table of Frequency Allocations and Utilisations (ECA)**
- ◆ **Comparison of radio fees and charges in CEPT countries (Satellite, PMR etc.)**

Some CEPT Deliverables (2)

- ◆ **~ 15 ECC Decisions on free circulation & use**
- ◆ **~ 30 ECC Decisions on licence exemption**
- ◆ **Traditionally based on specific types of terminals operating within particular frequency band**
- ◆ **Current move towards generic Decisions that apply in general way to terminals and associated services which operate in specified harmonised frequency bands**

Transparency and Information

- ◆ **Harmonise information and make it accessible in user-friendly way**
- ◆ **Obligation for Member States to publish and keep up to date:**
 - **National Tables of Radio Frequency Allocation**
 - **Information on rights, conditions, procedures, charges and fees related to spectrum use**

EFIS principles

European Frequency Information System

- **To illustrate extent of frequency harmonisation within Europe**
- **To allow users to quickly search and compare spectrum information for a number of CEPT administrations**
- **To meet requirements of R&TTE Directive and Spectrum Decision**

EFIS principles based on:

◆ CEPT:

- **Decision ERC/DEC(97)01**
 - ◆ *publication of national frequency tables*
- **Decision ECC/DEC(01)03**
 - ◆ *EFIS*

◆ EU:

- **Decision 676/2002/EC**
 - ◆ *(radio spectrum decision, article 5)*
- **DIRECTIVE 1999/5/EC**
 - ◆ *(R&TTE Directive, article 4.1)*
- **DIRECTIVE 2002/20/EC**
 - ◆ *(authorisation Directive, article 15)*

EFIS today

- ◆ **Frequency oriented**
- ◆ **Available:**
 - **Allocations (searchable)**
 - **Applications (searchable)**
 - **Radio interfaces (just started; searchable)**
 - **Related documents and NTFA's**
- ◆ **Links to national NTFA's**

EFIS tomorrow

- ◆ New software incl. user interface
- ◆ Right of use information added
- ◆ Active maintenance
- ◆ Tools for administrations available including support

EFIS Search applications

ERO Frequency Information System - Microsoft Internet Explorer

Address: http://www.efis.dk/compare/applications

Frequency	Radio Interface	recommended ECA	 AUT	 EST	 ISL	 HOL	
862.0 - 864.0 MHz	Land mobile	Cordless telephones, Defence systems				Land mobile	
864.0 - 864.1 MHz	Radio Microphones	Cordless telephones, Defence systems, Radio Microphones, Wireless Audio Applications	Radio Microphones, Wireless Audio Applications	Radio Microphones, Wireless Audio Applications	Consumer radio microphones, Wireless Audio Applications, CT2	Radio Microphones, Wireless Audio Applications	
	Wireless Audio Applications	Radio Microphones		Wireless Audio Applications		Radio Microphones	Radio Microphones
		Wireless Audio Applications		Wireless Audio Applications		Wireless Audio Applications	
864.1 - 865.0 MHz	Radio Microphones	Cordless telephones, Defence systems, Radio Microphones, Wireless Audio Applications	Radio Microphones, Wireless Audio Applications	Radio Microphones, Wireless Audio Applications	Consumer radio microphones, Wireless Audio Applications, CT2	Radio Microphones, Wireless Audio Applications, Cordless telephones	
	Wireless Audio Applications	Radio Microphones, Wireless Audio Applications		Wireless Audio Applications		Radio Microphones	
	CT2	Radio Microphones		Radio Microphones		Wireless Audio Applications	
	Cordless telephones	Wireless Audio Applications		Wireless Audio Applications		Cordless telephones	
		Wireless Audio Applications		CT2		Wireless Audio Applications	

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Find radio interfaces

ERO Frequency Information System - Microsoft Internet Explorer



Address: [http://www.efis.dk/search/interfaces?&submitSearch=1&compare=1&searchTable=-%20Europe%20\(ECA\)%20-,Austria,Estonia,Iceland,Netherlands&searchFrequencyUn](http://www.efis.dk/search/interfaces?&submitSearch=1&compare=1&searchTable=-%20Europe%20(ECA)%20-,Austria,Estonia,Iceland,Netherlands&searchFrequencyUn)

ERO Frequency Information System

SEARCH: General, Allocations, Applications, Documents, Interfaces, COMPARE: Allocations, Applications, HELP

Search Radio Interfaces

Frequency Range: 868.0 to 868.6 MHz Frequency Table: - Europe (ECA) - Search

Table	Frequency Band	Application	Allocation	Channeling	Transmit PowerLimit	Channel Occupation	Duplex Direction	Licensing Regime	Art 3.3 requirements	Frequency Planning	Reference	R
recommended	868-868	Non-specific SRDs		No spacing	25 mW e.r.p.	up to 1.0%		No		ERC/DEC/(01)04	EN 300 220	SRD Recoi ERC/
	868-869	Non-specific SRDs		No spacing	25 mW e.r.p.	up to 0.1%		No		ERC/DEC/(01)04	EN 300 220	SRD Recoi ERC/
	868-868	Non-specific SRDs		No spacing	25 mW e.r.p.	1.0%		No		ERC/DEC/(01)04	EN 300 220	SRD Recoi ERC/
	868-868	Non-specific SRDs		All K	25 mW e.r.p.	lower than 1,0%		No				

ERO cannot be held responsible for any wrong information in the EFIS system.

Information EFIS/ERO

Find requirements for use of radio:

- www.efis.dk
- Search tables for applications
- Compare applications between countries
- www.ero.dk ,deliverables, check ECC Recommendations & Decisions
- Check appendices for implementation

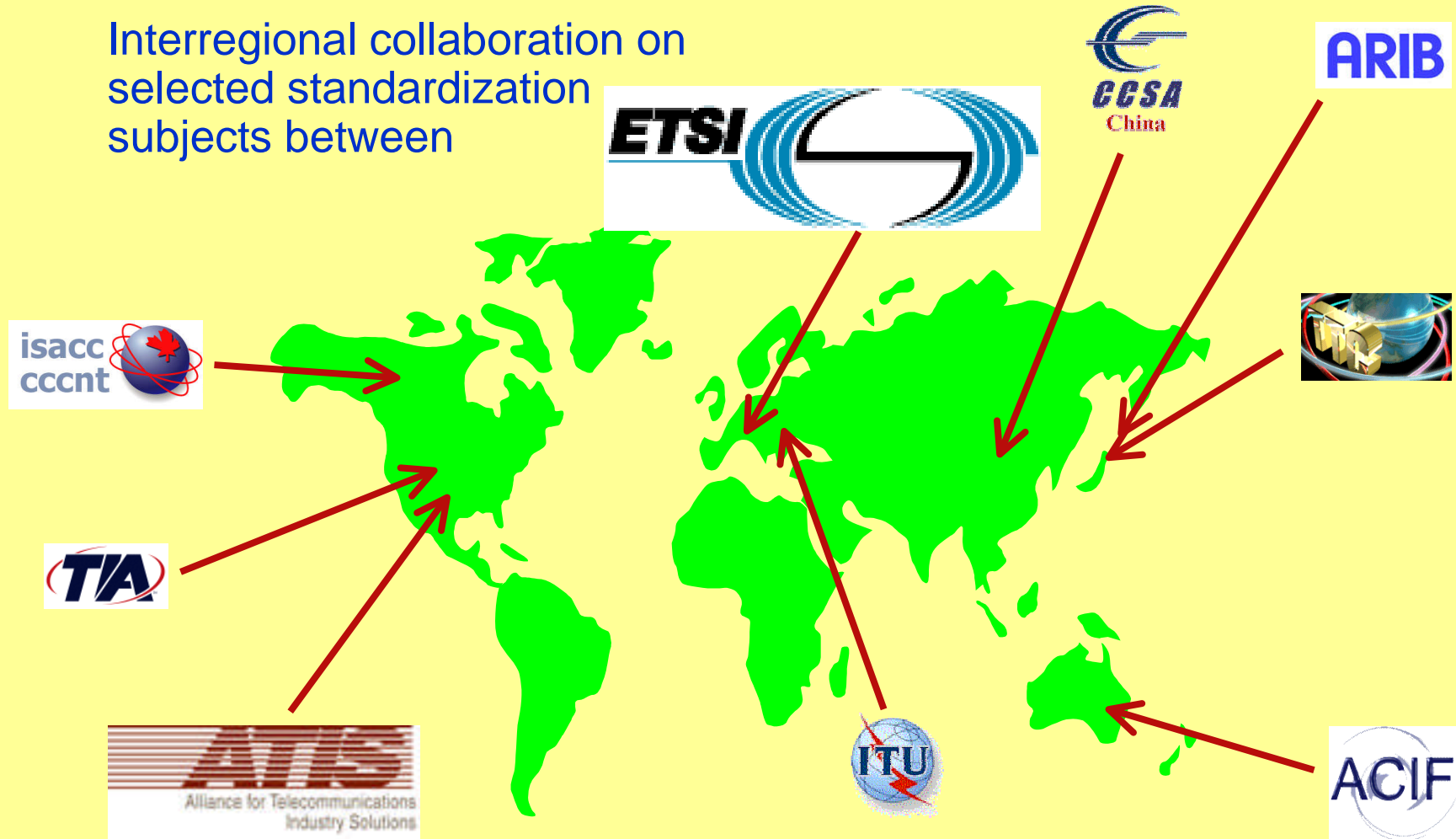
ETSI

ETSI's Mission

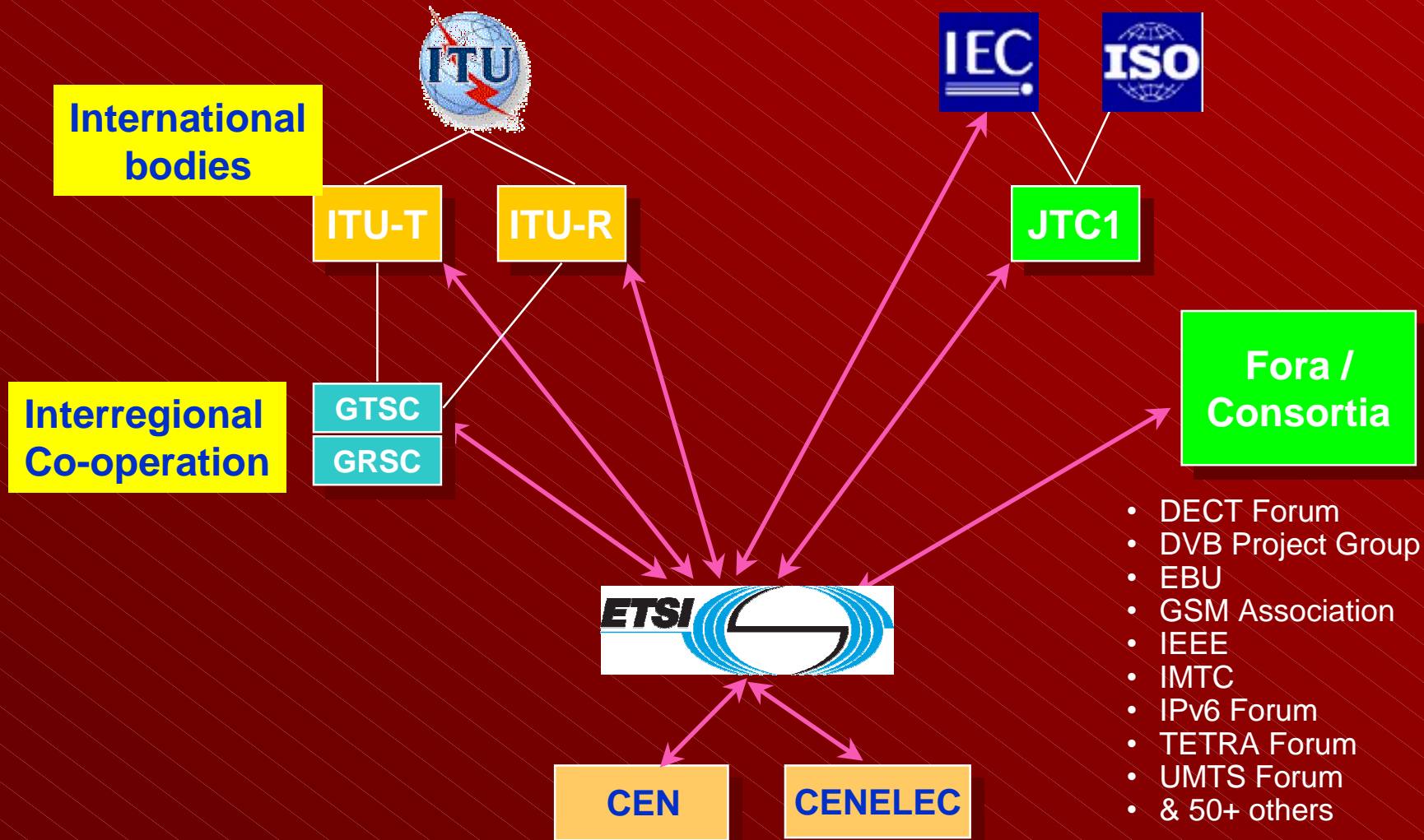
To develop globally applicable deliverables meeting the needs of the ICT community, whilst supporting EU and EFTA regulation and initiatives.

Global Standards Collaboration

Interregional collaboration on selected standardization subjects between



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



ETSI IS

- ❑ A not-for-profit association created in 1988
- ❑ Independent
- ❑ Secretariat located at Sophia Antipolis, France
- ❑ Global standards
14000+ publications – freely available
- ❑ Market driven (users, administrations, manufacturers, operators, service providers, others)
- ❑ 26 Technical bodies (125+ working groups) active in ICT



Four types of Member

❑ Full member [498]

- Established in geographical area of Europe (as defined by CEPT)
- Committed to ETSI Statutes and Rules of Procedure

❑ Associate member [102]

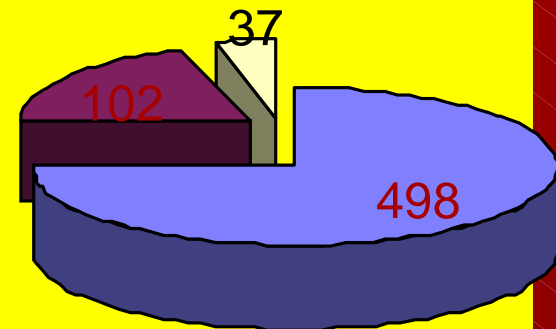
- Committed to ETSI's work, but without a presence in the CEPT geographical area of Europe

❑ Observer [37]

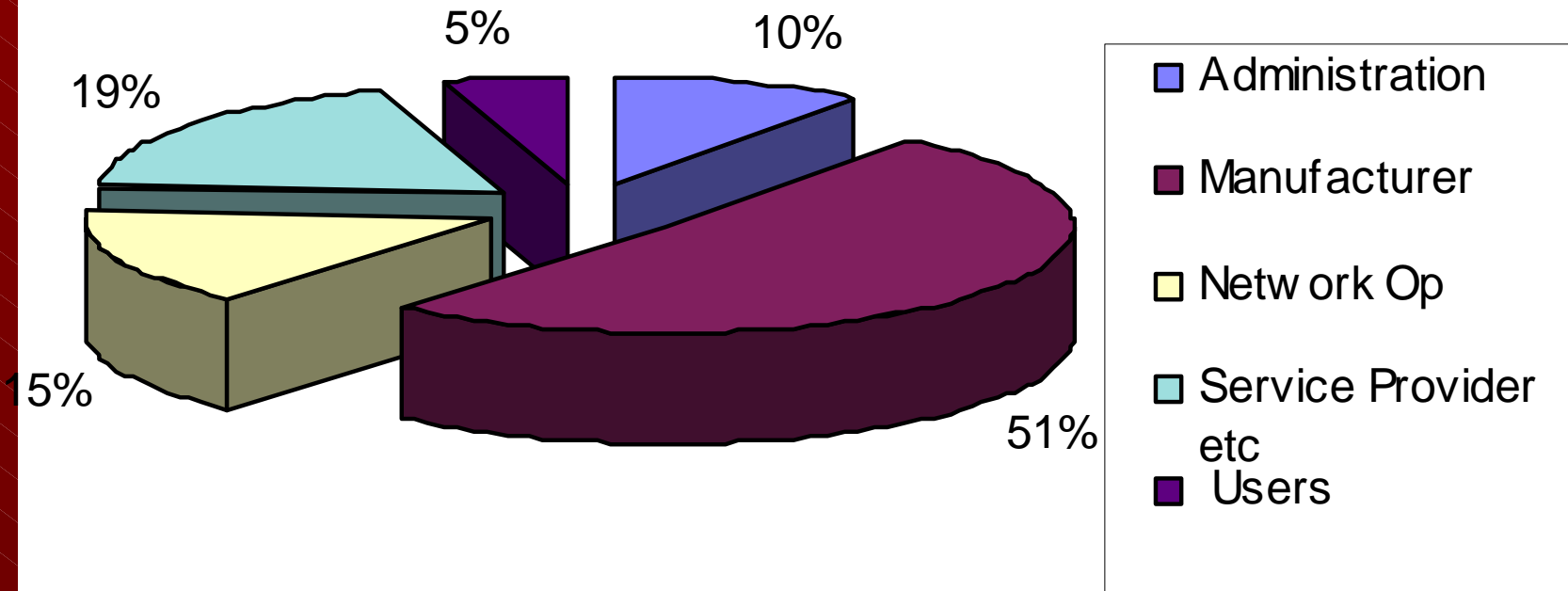
- Entitled to be full member, but not wishing to participate in ETSI's technical work

❑ Counsellor [2]

- Representative of European Commission or EFTA Secretariat



ETSI's Community



637 Total from 56 countries

(April 2005)



ETSI Deliverables

ETSI Technical Specifications (TSs)

ETSI Technical Reports (TRs)

ETSI Standards (ESs)

ETSI Guides (EGs)

European Standards (Ens),

- **Approved by National Delegations, through the National Standards Organizations (NSOs)**
- **Web-based voting tool**


Fast to publish

Fast + approved by all members

Wide, formal acceptance

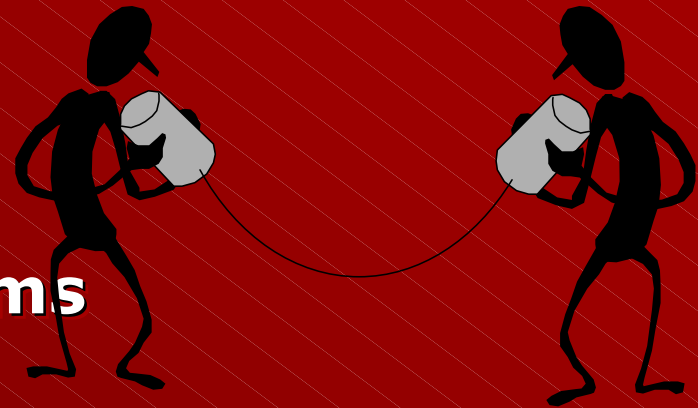
All ETSI deliverables

Publications from ETSI start - March 2005

Document type	14986 Published	320 Adopted awaiting publication	82 In process of adoption (after TB approval)
EN*	3982		50
ES	334		28
EG	155		4
TS	8916	302	
TR	1560	18	
SR	39		
			

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
- ◆ Testing
- ◆ SMS for fixed networks



ETSI's wireless work includes...

- ◆ **Mobile**
 - **GSM, UMTS, Railway communications...**
 - **private/professional land mobile radio systems**
- ◆ **Cordless (DECT)**
 - **In the past, analogue cordless & paging**
- ◆ **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)**



information...

ETSI web site: <http://www.etsi.org/>

- general public information concerning ETSI
- free standards download
- promotional aspects

ETSI portal: <portal.etsi.org>

- designed primarily for "standards practitioners"
- easy access to data for each technical body
- customized information retrieval for each technical body
- access to;
 - ◆ Working documents
 - ◆ ETSI applications and databases

ETSI Helpdesk: helpdesk@etsi.org

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



TRIS National Regulations Information System



- ◆ **Directive 98/34/EC sets up a procedure which requires Member States to:**
 - **notify to the Commission & to MS all the draft technical regulations concerning products before they are adopted in national law.**
- ◆ **Procedure aims at**
 - **providing transparency and control;**
 - **Diminish risk of unjustified barriers between MS;**

Draft regulation are published and can be evaluated.

Further information: See documentation package

NANDO



- ◆ **All Notified Body (CAB) data for All Directives and all Member states can be found on NANDO**

Nando (New Approach Notified and Designated Organisations) Information System

This site will enable you to find the European NB as well as third country bodies designated under formal agreements (MRAs), Protocols to the Europe Agreements on Conformity Assessment and Acceptance of Industrial Products (PECAs) and European Economic Area (EEA)] responsible for carrying out the conformity assessment procedures referred to in the applicable New Approach directives.

End of Presentation

Thank you for your attention



Any QUESTIONS ??