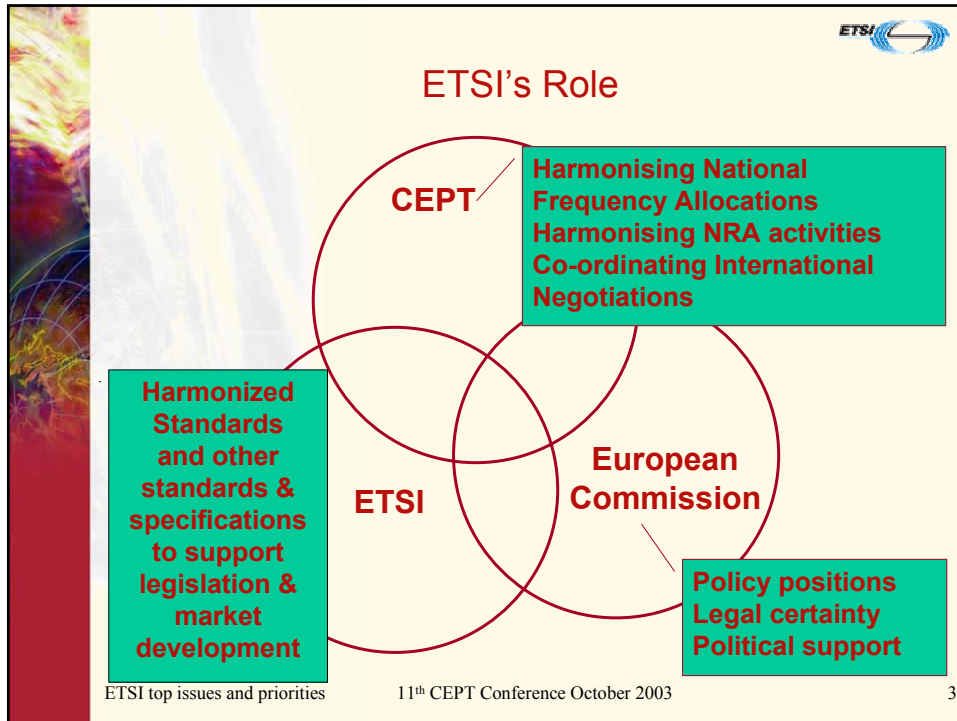




## CEPT Conference Agenda

- ETSI's role
- International involment
- Technology change
- Policy matters
- Spectrum management
- The future



- 
- ## Basic characteristics
- One of the three recognised European Standards Bodies**
  - Global membership**
  - Direct representation by market players and regulatory bodies**
  - Use of fast deliverable types where appropriate**
  - Responsive to a changing marketplace**
- ETSI top issues and priorities
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## ETSI International

- Enlargement of the European Union**
- Arab States (AIDMO)**
- South America (@LIS)**
- Global Standards Collaboration (GSC)**



## EU enlargement

- NSOs already members of ETSI**
- Industry in many acceding countries already plays an active role**
- Matchmaker programme: to explain the role of standardisation in the new legal environment**
  - Explain opportunities and threats
  - Encourage greater participation
- Beginning of an ongoing process**
- Move from “Standards Taker” to “Standards Maker”**



**AIDMO** 

- ❑ **New MoU signed with Arab States on 20 Oct. 2003**
- ❑ **AIDMO represents a very important player in region 1**
- ❑ **ETSI agreed with CEN & CENELEC & signed parallel MoUs for the 3 ESOs to exchange views on matters of common interest with AIDMO**
- ❑ **MoU between ETSI & AIDMO is a further development of the MoU signed with ATCM / LAS (Arab Telecommunications Council of Ministers League of Arab States) in June 2002**
- ❑ **Cooperation areas include:**
  - **Harmonization of Standardization in Arab region**
  - **Information Technology & Networking**
  - **Awareness of the benefits of European & International standards**


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**@LIS** 

- ❑ **@LIS (Alliance for the Information Society), a co-operation programme between Europe and Latin America**
- ❑ **18 countries in Latin America**
- ❑ **Promoting the ETSI way in South America**
- ❑ **Emphasis on ETSI way, rather than ETSI products**
- ❑ **Five Project Areas have been identified:**
  - **Dialogue on Policy and Regulation**
  - **Dialogue on Standardisation issues**
  - **Stakeholders networks**
  - **Interconnection of Research networks**
  - **Demonstration projects**

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## Global Standards Collaboration (GSC)






CCNT  
 TSACC (Canada)


TELECOMMUNICATIONS  
**TIA**  
 INDUSTRY ASSOCIATION  
 TIA (USA)

  
 T1 Committee  
 (USA)


  
 ITU  
 (International)

  
 TTC  
 (Japan)

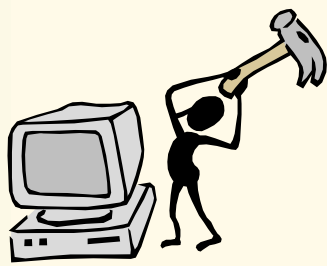
  
 TTA  
 (Korea)

  
 ACIF  
 (Australia)



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## Technical developments





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## Telecommunications isn't just about providing ubiquitous systems

- ❑ **Third Generation, of course**
- ❑ **Wireless LAN offering Public Access**
  - 5 GHz frequency harmonisation
  - ETSI Harmonised standards to avoid harmful interface to protect other services (mil. radar) (TCAM)
  - Supported by Plugtests TM



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## Road Transport

- ❑ **Providing information to the vehicle (navigation, local traffic information)**
  - Navigation
  - Local traffic information
  - Local interest
- ❑ **Traffic management (access to autoroutes)**
- ❑ **Emergency communications (e.g. position reporting in case of accidents)**
- ❑ **Personal Locator Beacons**
  - Developed in co-operation with RTCM (USA)
  - Based on COSPAS-SARSAT system
  - Used in Paris-Dakar rally for location of lost vehicles



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## Aeronautical

- ❑ **Single European Sky**
- ❑ **European Union drive to introduce formal standardisation into the field of Civil Aviation**
- ❑ **EUROCAE to form relations with ETSI for Aeronautical communications**
- ❑ **ETSI standards on VHF Digital Link for air traffic control applications**
- ❑ **Airborne satellite earth stations for passenger communications**



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## Maritime

- ❑ **SOLAS (working with IEC)**
  - ETSI & IEC standards cited in Marine Equipment Directive
- ❑ **Non-SOLAS**
  - EU requirements for reliable communications in an emergency
  - ETSI has produced Harmonized Standards under R&TTE Directive
- ❑ **Automatic Identification System**
  - Technology developed for Aeronautical use (STDMA)



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## New technologies

- ❑ **Ultra wide band**
- ❑ **Power Line**
- ❑ **Short-Range Devices**
  - Very active sector
  - Big event in ETSI last week for a low-power radio exhibition & conference


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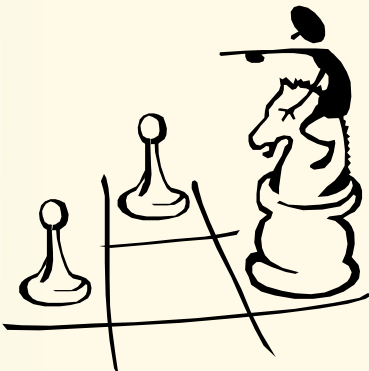
## Research & Standardization

- ❑ **COPRAS**
  - Co-operative Platform for Research and Standardization
  - EC funded project under FP6 (SSA)
- ❑ **Bringing research results into the marketplace through standardization**
- ❑ **Establish generic guide towards standardization**
- ❑ **3 ESO's + Open Group + W3C**

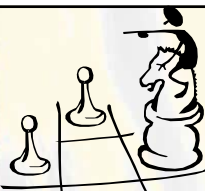

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# Policy



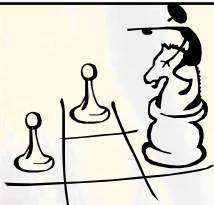

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## Some EU policy areas which need telecommunications

- Broadband Availability**
- Accessibility for all**
- Air traffic management**
- Maritime policy**
- Judicial co-operation**
- Road transport**
- Public protection / disaster relief**
  
- All benefit from standards and (where necessary) radio spectrum access**

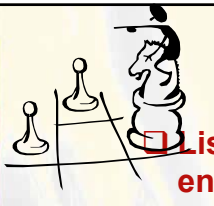

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## R&TTE Directive

- ❑ **ETSI Harmonised Standards show presumption of conformity for radio and terminal equipment**
- ❑ **ETSI Technical Reports and Guides provide guidance for Network Operators in declaring interfaces**
- ❑ **ETSI representation at TCAM to ensure:**
  - continuing relevance of ETSI standards to meet EU policy objectives
  - Communication between the Commission and industry as implementation of the Directive is clarified



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## Framework Directive

- ❑ **List of standards to serve as a basis for encouraging the harmonised provision of networks, services and associated facilities (article 17).**
  - ETSI STF 254 under contract to examine the current list and propose modifications
- ❑ **Standards for Interactive Digital TV (article 18)**
  - ETSI STF 255 under contract to develop a list to support interoperability and facilitate deployment
  - Open meeting in Brussels, November 2003
- ❑ **Harmonisation measures (article 19)**
  - ETSI standards can be used as a technical basis
- ❑ **ETSI representation at COCOM**



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## Radio Spectrum Policy

- ❑ Radio Spectrum Policy Group defines EU policy areas where harmonisation of radio spectrum management may be beneficial
- ❑ Radio Spectrum Committee integrates CEPT Decisions into Community legislation
  - Legal certainty
- ❑ ETSI representation in RSPG and RSCOM to ensure continuing relevance of ETSI standards to EU policy initiatives



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## Example: Radio LAN

- ❑ EC Recommendation (Framework Directive) for provision of RLAN services – COCOM
- ❑ ETSI Harmonized Standards for 2,45 GHz and 5 GHz RLANs – TCAM
- ❑ Harmonisation measure for the use of the 5 GHz band for RLAN - RSCOM

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## Spectrum management



ETSI top issues and priorities

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## We've run out of frequencies!

- ❑ **Previously use of RF spectrum was limited by the capability of the technology to deal with RF economically**
- ❑ **At high frequencies, limited by propagation characteristics of radio waves**
- ❑ **Need to re-allocate spectrum**
  - **Stop existing users, start new ones**

ETSI top issues and priorities

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# The Future

?

## *ETSI's Success Stories*

- UMTS
- GSM EVOLUTION
- DECT
- TETRA
- SATELLITE COMMUNICATIONS
- DVB
- NGN
- VOICE OVER IP
- HYPER ACCESS, ~ MAN, ~ LAN2
- SMART CARD PLATFORM
- POWERLINE
- CABLECOM

## Flexible, rapid, responsive standardisation machine

