Welcome to the World of Standards

ETSI

World Class Standards

AN OVERVIEW OF THE EUROPEAN TELECOMMUNICATION STANDARDS INSTITUTE (ETSI)

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Director EC/EFTA Relations

EDA Materiel Standardisation Conference 12 March 2014

European roots, global outreach

- ETSI is a world-leading standards developing organization for Information and Communication Technologies (ICT)

- Founded initially to serve European needs, ETSI has become highly-respected as a producer of technical standards for worldwide use

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Products & services

- **Technical specifications and standards** with global application
- Support to industry and European **regulation**
- Specification & testing **methodologies**
- **Interoperability** testing

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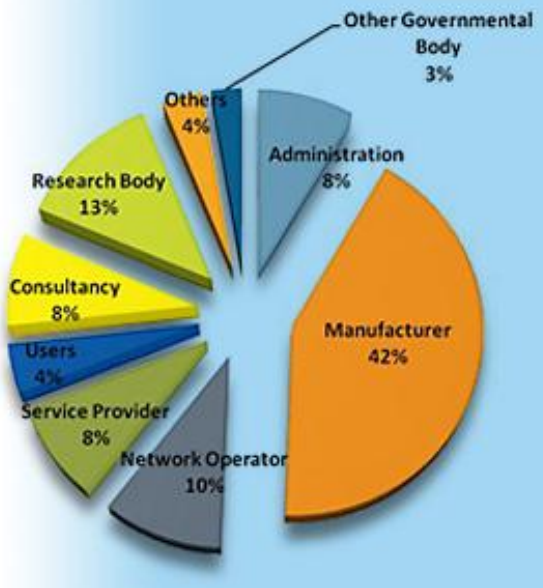
Membership

- Over **750 companies**, big and small, from **62 countries** on **5 continents**

- Manufacturers, network operators, service and content providers, national administrations, ministries, universities, research bodies, consultancies, user organizations



A powerful and dynamic mix of **skills, resources and ambitions**

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Independence

- **Independent** of all other organizations and structures
- Respected for **neutrality** and trustworthiness
- Esteemed for our world-leading **Intellectual Property Rights** (IPR) Policy

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Collaboration

- Strategic collaboration with numerous global and regional standards-making organizations and industry groupings
- Formally recognized as a European Standards Organization, with a global perspective
- Contributing technical standards to support regulation
- Defining radio frequency requirements for the technologies we standardize

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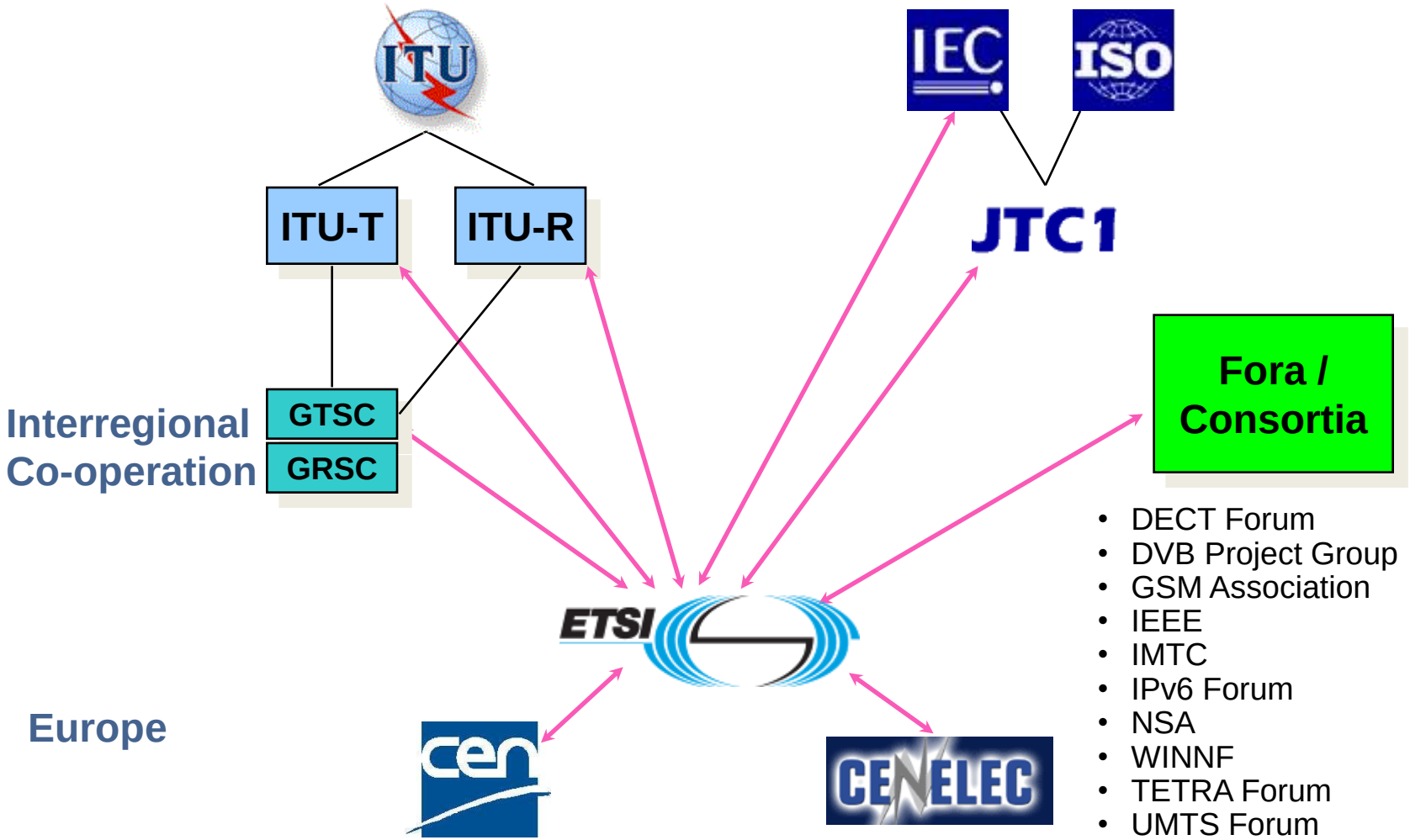
ETSI's relations with ITU, IEC & ISO...



- DECT Forum
- DVB Project Group
- GSM Association
- IEEE
- IMTC
- IPv6 Forum
- NSA
- WINNF
- TETRA Forum
- UMTS Forum
- & 70+ others

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Innovations

- Efficient and speedy standards-making
- Free download of all our standards
- Electronic working to boost efficiency and reduce cost and environmental impact
- Quality certified to ISO 9001:2008

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Different users, different needs

- Standards and reports designed to serve a wide spectrum of needs
- **Standards available to anyone free of charge**
- Methodologies, tools and services for the entire lifecycle of technical innovation

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WHO joins ETSI?

Companies & organizations from all over the world:

- The **big players** in ICT
- **SMEs & microenterprises**, who find they can exist very happily within ETSI in the presence of the big names
- **Universities & research bodies** increasingly find themselves at home in ETSI

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WHAT does it cost?

- The annual fee is determined by size, nature and financial performance of the member organization
- All of our members have equal rights of direct participation in our standards-making activities and other services

Our working methods are designed to minimize cost and maximize efficiency

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Some ETSI members

- BAE Systems
- EADS (FR)
- Elektrobit Ltd. (FI)
- Federal Office of Civil Protection (DE)
- Federal Bureau of Investigation (FBI, US)
- Landesamt für Zentrale Polizeiliche Dienste Nordrhein-Westfalen (DE)
- MITRE Corporation (US)
- Motorola (US)
- NATO Communication and Information Agency (NCIA , NL)
- Police Netherlands (NL)
- Secrétariat Général de la Défense Nationale (SGDN, FR)
- Selex ES (IT)
- SEPURA (UK)
- THALES (FR)

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Standard Creation Process

- Standardization takes place in Technical Committees (TCs)
- A TC may establish Working Groups (WGs)
- The need to create a standard is identified by (an) ETSI member(s) who submit the proposal to the relevant TC
  - Work Item (WI)
  - 4 supporting members minimum
  - One rapporteur (responsible for drafting)
  - Work Item adopted by ETSI members
  - ETSI deliverables: EN, TS, ES, EG, TR, SR

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Approval level?

- Technical Committee
  - ETSI TR, TS
- Membership
  - EG and ES
  - MAP (Membership Approval Procedure) applied
- Public Approval (NSO)
  - European Norms (EN)
  - ENAP (EN Approval Procedure)

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Decision-making

- All decisions are based on consensus
- Consensus does not imply unanimity
- It is up to the Chairman to decide if there is consensus or not
- (Weighted) vote is possible but in practice consensus is always reached

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Decision-making

- It is always strongly advised that all the military stakeholders that intend to provide inputs to the related standardisation activities be present during the meetings where decisions are supposed to be taken.
- Only those who are active in the technical work will control the activities. In ETSI the standardization work is driven by the members.

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Defence Standardisation - proposal

- Set up European Defence Standardisation Coordination Group (EDSCG)
  - advisory role
  - Membership - representatives of EC, EDA, ESOs, NATO, OCCAR, NSBs, civil security and other relevant stakeholders
  - advises on the allocation of the standardisation work to the ESOs
  - discuss whether or not an hybrid standard as identified by the military, could have an interest for the civil security domain
  - discuss proposals for NATO standards and national standards for defence to become European Standards
  - endorse proposals related to standardisation needs to be transmitted to the ESOs
  - EC could also decide to issue a mandate for the development of the identified hybrid standards.

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ETSI Process

- ETSI can create a Special Committee (SC) for defence
- Propose the standardisation task to an existing ETSI TC
- Create a WG to perform the task if no existing TC has been identified
- Sometimes the TC can be identified directly in the EDSCG, once it has been agreed that ETSI is the responsible ESO
- Transfer EDA specification using ETSI PAS process if so decided

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