

The open, global ICT standards organization...

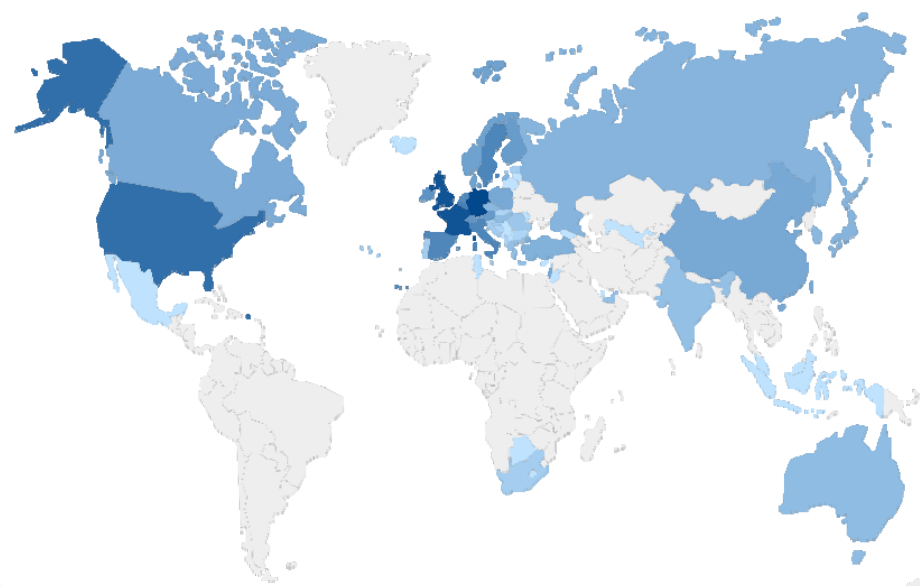
- ✔ Open, inclusive environment
 - ✔ To support the development and testing of globally applicable standards
 - ✔ For ICT systems and services across all sectors of industry and society
- ✔ Independent, non-profit organization
- ✔ Renowned IPR policy
- ✔ 30-years track record of technical excellence in the ICT sector
- ✔ Available to all, our standards are free of charge

- ❖ **Over 48 000 standards published to date**
- ❖ **Over 2 600 standards published annually**
- ❖ **17.5 million downloads annually**



Bringing people together...

- ✔ More than **900** member organizations worldwide
- ✔ Drawn from **64** countries and five continents
- ✔ Diverse community: private companies, research entities, academia, government and public bodies, societal stakeholders
- ✔ Large and small member organizations
 - ✔ Work together to create state of the art standards
 - ✔ Enabling interoperability in a multi-vendor, multi-network, multi-service environment



- ❖ 25% SMEs
- ❖ 20% membership growth over the last 10 years
- ❖ Over 90 technical groups engaged in more than 4 000 meetings
- ❖ More than 50 conferences and interop events per year
- ❖ More than 6000 participants to physical meetings per year

Recognized in Europe: influencing the world...



- ✔ Officially recognized by the European Union to support EU regulation and policies
- ✔ Our standards are key enablers for the Single European Market
 - ✔ Recognized regional Standards body
 - ✔ Support European regulations
 - ✔ Harmonized European Standards
 - ✔ Global impact

At the heart of digital...

- ✓ At the forefront of emerging technologies
- ✓ To design tomorrow's digital world
 - ✓ 5G
 - ✓ IoT
 - ✓ Network Virtualization
 - ✓ Artificial Intelligence
 - ✓ Multi-access Edge Computing
 - ✓ Smart Cities
 - ✓ Blockchain
 - ✓ Cybersecurity
 - ✓ ..and many others



Encouraging innovation...



- ✔ Close relationships with research bodies
 - ✔ Addressing the technical issues of tomorrow's digital economy
 - ✔ Improving life for future generations
- ✔ Open approach
 - ✔ Collaboration with open source projects
 - ✔ Bringing fresh innovation and industry insights to our working methods
- ✔ Organization of workshops, summits and webinars
 - ✔ To share our latest developments and innovations
 - ✔ To explore new technologies in different sectors

Accelerating time to market...

- ✔ ETSI's Centre for Testing and Interoperability
 - ✔ Conducts interoperability test events
 - ✔ For a wide range of ICT implementations
- ✔ Plugtests™, Hackathons and Hackfests
 - ✔ To support the efficient validation and implementation of standards
 - ✔ To help industry bring new products and services to market faster and with greater confidence of success



The power of global and local partnerships...



- ✔ Over 100 strategic partnership agreements
 - ✔ With other fora and consortia
 - ✔ With international and regional Standards Developing Organizations around the world
- ✔ Driving global standardization

3GPP

- ✔ Over 600 members from worldwide telecommunications SDOs
- ✔ Provides system specifications for cellular telecommunications network technologies up to 5G



oneM2M

- ✔ Over 200 players from worldwide telecommunications SDOs
- ✔ Provides a horizontal layer of functions to support applications and services for the Internet of Things



Teaching and learning...

- ✔ ETSI has developed educational materials on ICT standardization
- ✔ In collaboration with the European Commission and the European Free Trade Association
 - ✔ Set of 380+ slides
 - ✔ Textbook, “Understanding ICT Standardization: Principles and Practice”
 - ✔ Modular design to suit different education levels and study programmes
 - ✔ Download for free from: www.etsi.org/standardization-education



The home of ICT standards...



Committees, Projects & other groups

Access, Terminals, Transmission and Multiplexing (ATTM)	Broadband Radio Access Networks (BRAN)	EBU/CENELEC/ETSI on Broadcasting (BROADCAST)
Integrated broadband CABLE telecommunication networks (CABLE)	Cyber Security (CYBER)	Digital Enhanced Cordless Telecommunications (DECT)
Environmental Engineering (EE)	eHEALTH (eHEALTH)	Emergency Communications (EMTEL)
EMC and Radio Spectrum Matters (ERM)	Electronic Signatures and Infrastructures (ESI)	Human Factors (HF)
Core Network and Interoperability Testing (INT)	Intelligent Transport Systems (ITS)	Lawful Interception (LI)
Mobile Standards Group (MSG)	Methods for Testing & Specification (MTS)	Network Technologies (NTECH)
OpenSource MANO (OSM)	Reconfigurable Radio Systems (RRS)	Railway telecommunications (RT)
Safety (SAFETY)	Smart Card Platform (SCP)	Satellite Earth Stations & Systems (SES)
Smart Body Area Network (SmartBAN)	Smart M2M (SmartM2M)	Speech and multimedia Transmission Quality (STQ)
TETRA and Critical Communications Evolution (TCCE)	User Group (USER)	

ETSI Partnership Projects

Third Generation Partnership Project (3GPP)	oneM2M (oneM2M)

Industry Specification Groups

Augmented Reality Framework (ARF)	European Common information sharing environment service and Data Model (CDM)	City Digital Profile (CDP)
cross-cutting Context Information Management (CIM)	Experiential Networked Intelligence (ENI)	IPv6 Integration (IP6)
Multi-access Edge Computing (MEC)	millimetre Wave Transmission (mWT)	Network Functions Virtualisation (NFV)
Next Generation Protocols (NGP)	Operational energy Efficiency for Users (OEU)	Permissioned Distributed Ledger (PDL)
Quantum Key Distribution (QKD)	Zero touch network and Service Management (ZSM)	



ETSI in a nutshell

- ✔ ICT standards organization, European roots, with global reach
 - ✔ At the forefront of emerging technologies
 - ✔ NFV, IoT, smart cities, quantum safe cryptography, AI, edge computing...
 - ✔ Global partnership projects: 3GPP and oneM2M
 - ✔ Direct participation; consensus based
 - ✔ Unique Centre for Testing and Interoperability (CTI)
 - ✔ Renowned IPR policy
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- ❖ Over 900 members of various sizes
 - ❖ From 64 countries & 5 continents
 - ❖ More than 45 000 free publications
 - ❖ More than 100 partnerships
 - ❖ Over 90 technical groups engaged in more than 4 000 meetings
 - ❖ More than 50 conferences and interop events per year
 - ❖ 25% of our members are SMEs