

# Designing Tomorrow's World with The Standards People



ETSI at a glance



# The open, global ICT standards organization

ETSI is a leading international ICT standards organization. We offer our members an 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.

We are an independent, non-profit organization with a 30-year track record of technical excellence in the ICT sector, and with a widely respected non-discriminatory IPR policy. Available to all, our standards are freely accessible on our website.

- Over 48 000 standards published in total
- Over 1 800 standards published annually
- 19 million downloads annually

ETSI has more than 900 member organizations worldwide, drawn from 65 countries and five continents.

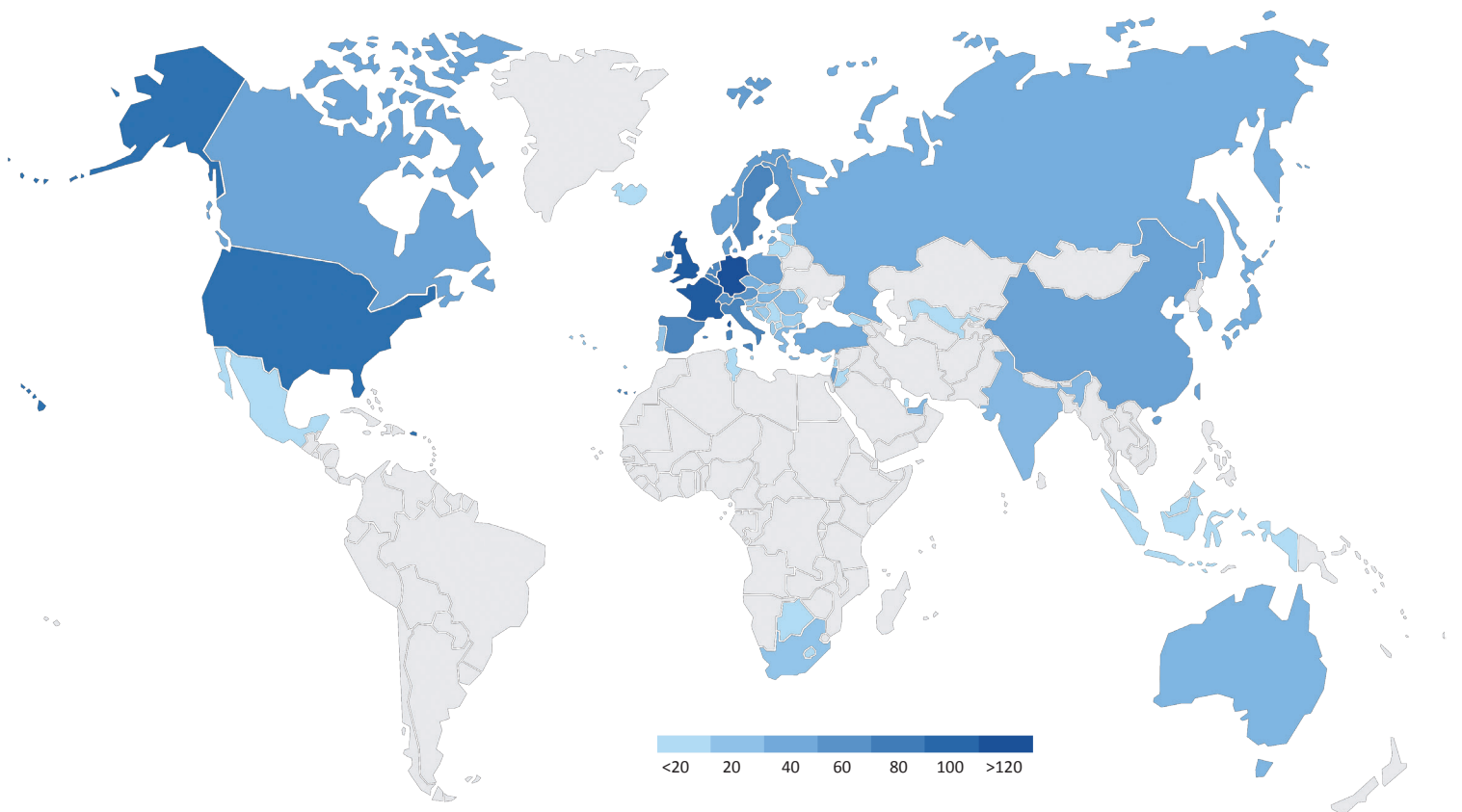
Our diverse community includes private companies, research entities, academia, government and public bodies as well as societal stakeholders.

At ETSI, large and small member organizations work together to create high quality standards – enabling interoperability in a multi-vendor, multi-network, multi-service environment.

## Recognized in Europe: influencing the world

We are officially recognized by the European Union to support EU regulation and policies, and our standards are key enablers for the Single European Market.

By using ETSI standards, manufacturers and suppliers gain access to the largest unified marketplace in the world.



■ Over 900 members

■ 20% membership growth over the last 10 years

■ 65 countries

■ 25% SMEs

# The home of ICT standards

At ETSI our standardization activities address a wide range of Information and Communications Technologies. Our work is consensus driven, with members directly contributing to meetings either face-to-face or remotely.

## Committees, Projects & other groups

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

Designing Tomorrow's World with The



## ETSI Partnership Projects

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

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**oneM2M (oneM2M)**

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## Industry Specification Groups

**Augmented Reality Framework (ARF)**

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**European Common information sharing environment service and Data Model (CDM)**

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**cross-cutting Context Information Management (CIM)**

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**Europe for Privacy-Preserving Pandemic Protection (E4P)**

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**Experiential Networked Intelligence (ENI)**

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**Encrypted Traffic Inspection (ETI)**

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**5th Generation Fixed Network (F5G)**

● ● ● ● ●

**IPv6 integration (IP6)**

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**Multi-access Edge Computing (MEC)**

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**millimetre Wave Transmission (mWT)**

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**Network Functions Virtualisation (NFV)**

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**Non-IP Networking (NIN)**

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**Operational energy Efficiency for Users (OEU)**

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**Permissioned Distributed Ledger (PDL)**

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**Quantum Key Distribution (QKD)**

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**Securing Artificial Intelligence (SAI)**

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**Zero touch network and Service Management (ZSM)**

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**OpenSource MANO (OSM)**

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# Standards People



# At the heart of digital

At the forefront of emerging technologies, our members collaborate to design tomorrow's digital world. 5G, cybersecurity, machine-to-machine communications, edge computing, network virtualization, artificial intelligence, quantum safe cryptography, augmented reality, blockchain and smart cities are just some of the areas where ETSI is driving digital transformation.

## Encouraging innovation

We foster close relationships with research bodies, addressing the technical issues that will drive tomorrow's digital economy and improve life for future generations.

We organize workshops, summits and webinars to share our latest developments and innovations, and to explore new technologies in different sectors.

## An open approach

We are continuously improving processes to support our standardization activities – ensuring that we deliver even more value to our members and tomorrow's standardization communities.

As an example we collaborate with open source projects and communities, bringing fresh innovation and industry insights to our own well-established working methods.

## Accelerating time to market

Our Centre for Testing and Interoperability conducts interoperability test events for a wide range of ICT implementations.

Our Plugtests™, Hackathons and Hackfests support the efficient validation and implementation of standards – helping industry bring new products and services to market faster and with greater confidence of success.

## Teaching and learning

ETSI has developed a comprehensive suite of educational materials on ICT standardization. This project was funded by the European Commission and the European Free Trade Association.

## Bringing people together

More than 100 technical groups engaged in more than 4 000 meetings

More than 50 conferences and Plugtests™ per year

More than 32 000 participants per year to physical meetings and more than 35 000 participants per year via e-meetings

# The power of global and local partnerships

ETSI members benefit directly from over 110 partnership agreements with other fora and consortia, as well as international and regional Standards Developing Organizations around the world.

## Driving global standardization of 5G and IoT

ETSI is a founding partner of two major international partnership projects, 3GPP™ and oneM2M, bringing together standardization bodies from Europe, China, India, Japan, Korea and the United States.

The original scope of 3GPP™ was to produce globally applicable specifications for a system based on evolved Global System for Mobile communication (GSM™) core networks and the radio access technologies that they support.

With over 680 members, 3GPP™ today provides complete system specifications for cellular telecommunications network technologies up to 5G.

Bringing together around 200 players from diverse business sectors, oneM2M was created to consolidate standardization of machine-to-machine and Internet of Things functions.

The group provides a horizontal layer of functions commonly needed across different market sectors as well as a framework to support applications and services for the IoT.

In April 2020 oneM2M was named 'Top IoT Standards Body of the Year' for the second year in a row at the 7th Annual Compass Intelligence Awards.



## Engaging with wider markets

ETSI is present through local representatives together with the European Standards Organizations CEN and CENELEC in China (SESEC) and India (SESEI) to enhance the visibility of European standardization activities (co-financed with the European Commission and the European Free Trade Association).

With engagement in six partner countries – Brazil, China, India, Japan, South Korea and the USA – the InDiCo\* project led by ETSI aims at developing international cooperation on policy and standardization activities in the fields of IoT, 5G, cloud computing, big data, cybersecurity, intelligent transport systems and distributed ledger technologies.

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