



Welcome to the World of Standards



THE ETSI IPR POLICY - BASIS FOR A SUCCESSFUL ECO-SYSTEM

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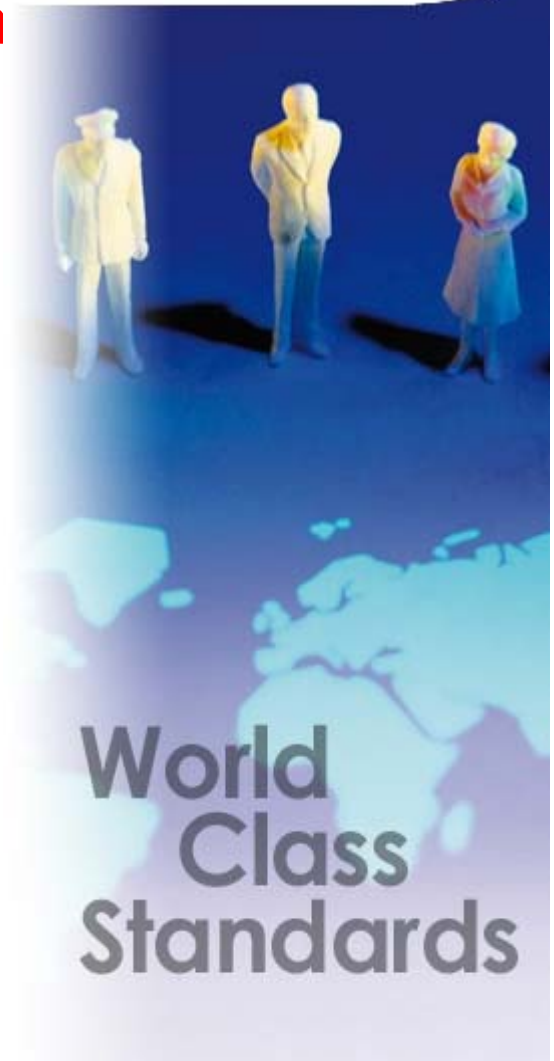
*The views expressed are personal to the respective speaker
and do not necessarily represent those of ETSI*

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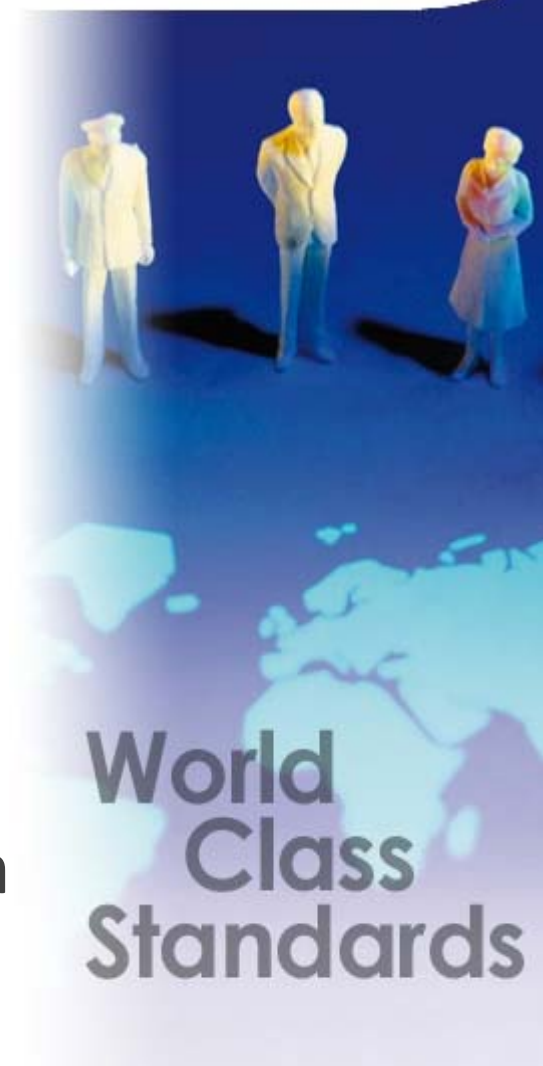
- 🌐 **Standardization vs. proprietary solution**
- 🌐 Why stakeholders participate in or contribute to standardization
- 🌐 Interests of standards contributors and standards users
- 🌐 Decision making in ETSI
- 🌐 Objectives of ETSI's IPR policy
- 🌐 ETSI's IPR policy



Business considerations



- For-profit organizations prefer monopoly over standard
- Proprietary solution – no need for consensus building
- Economies of scale
- More brain power
- Customer pressure for competition
- Government pressure against lock-in



Contribution of Standardization to GDP



Country	Publisher	Time frame	Growth rate of GDP	Contribution of standards
Germany	DIN (2000)	1960–1996	3,30%	0,90%
France	AFNOR (2009)	1950–2007	3,40%	0,80%
United Kingdom	DTI (2005)	1948–2002	2,50%	0,30%
Canada	Standards Council of Canada (2007)	1981–2004	2,70%	0,20%
Australia	Standards Australia (2006)	1962–2003	3,60%	0,80%

Source: The Economic Benefits of Standardization, DIN, 2011
http://alt.din.de/sixcms_upload/media/2896/GNN_2011_engl_FINAL.pdf

Further information (ISO/IEC)
http://www.standardsinfo.net/info/benefits/benefits_s1.html

Mobile Communication



Mobile connections, including M2M
Mar 2016

7,715,637,565

▲ 4.70%

Unique mobile subscribers
Mar 2016

4,701,310,292

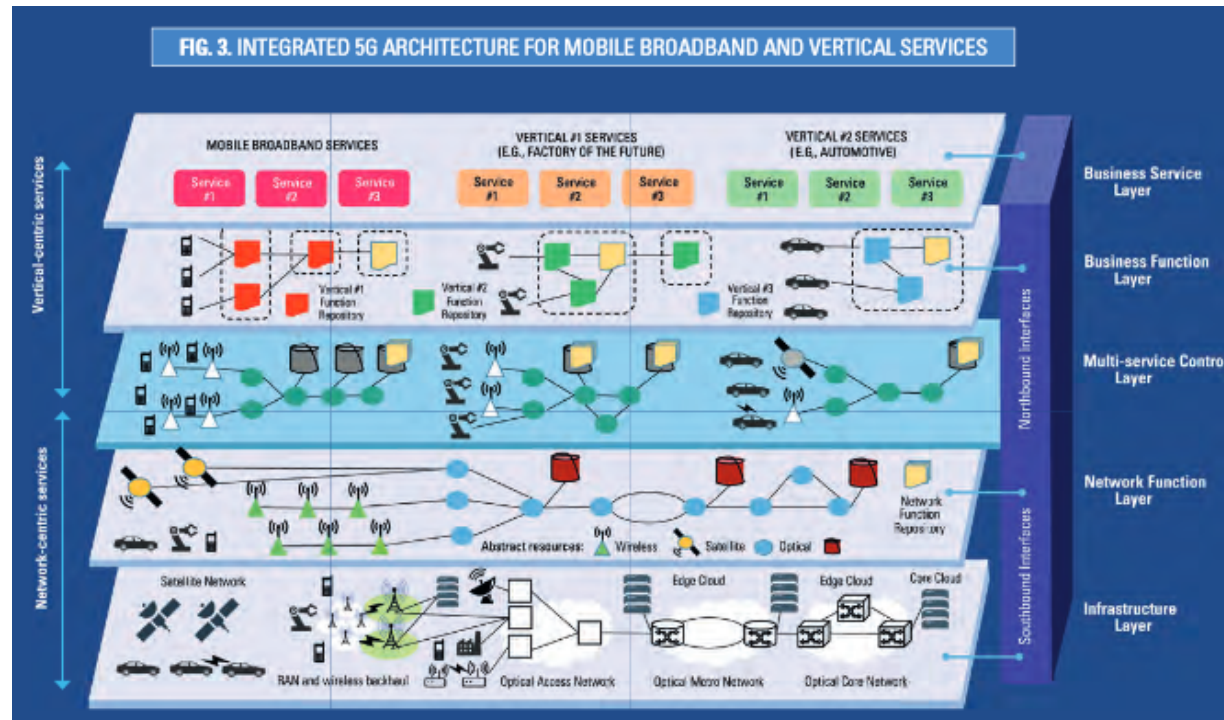
▲ 4.76%

Revenue/year
FY 2015

\$1.06T

▲ 2.18%

Source: GSMA Intelligence 2016, current year-end data except interpolated subscribers and connections



https://5g-ppp.eu/wp-content/uploads/2016/02/BROCHURE_5PPP_BAT2_PL.pdf



Organizational Partners (OPs):



- Individual Members of 3GPP are bound by the IPR policy of the organizational partner through which they participate
- IPR policies of the seven OPs are compatible

ETSI is the home for many diverse technologies



- E-Accessibility
- DECT
- Smart cards
- Electronic signatures
- Content delivery, e.g. HbbTV
- Speech Quality
- Intelligent Transport
- E-Health
- Public Safety
- Cable Networks
- Network Functions Virtualization
- Mobile Edge Computing
- M2M
- eCall
- ...

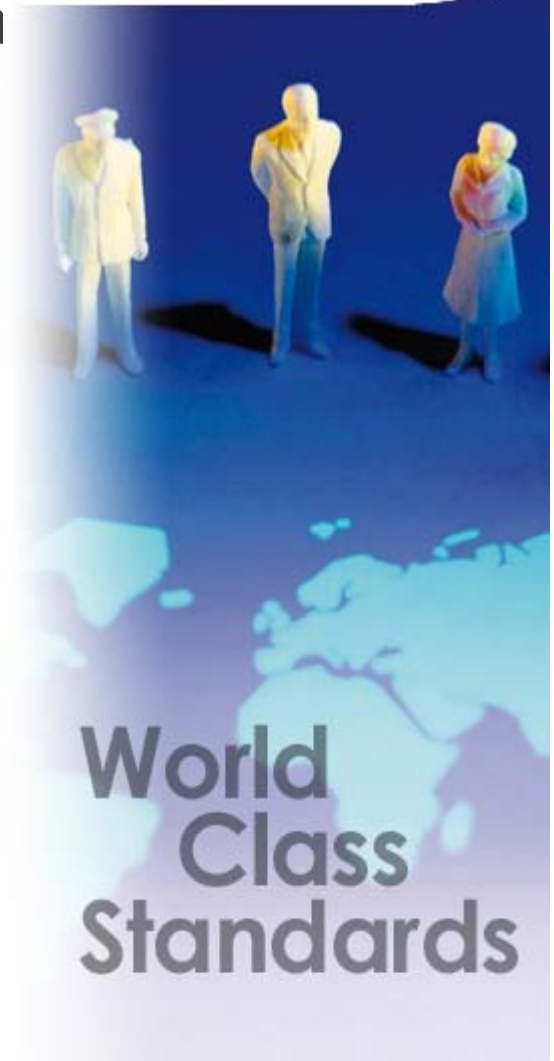


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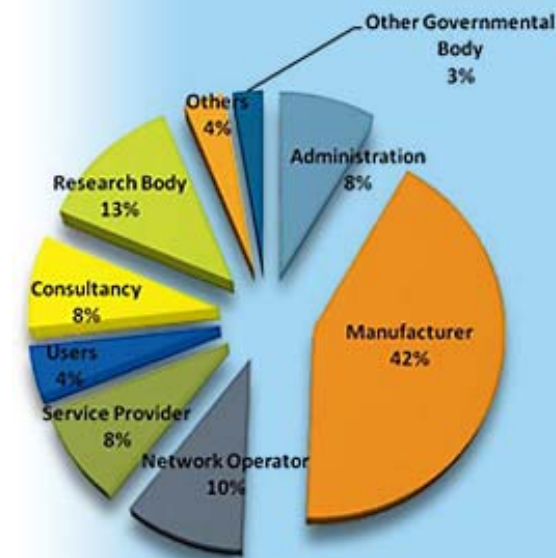
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Membership



- **800 companies**, big and small, from **64 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**

Some reasons to participate

- Ensure interoperability
- Drive your technology of choice into the standard
- Contribute the views of your constituency (e.g. environment, users, social interests, SMEs)
- Access to leading-edge ICT knowledge
- Opportunities to meet and influence your customers & competitors
- Direct insight into critical issues, including regulatory & spectrum matters, and the ability to influence them

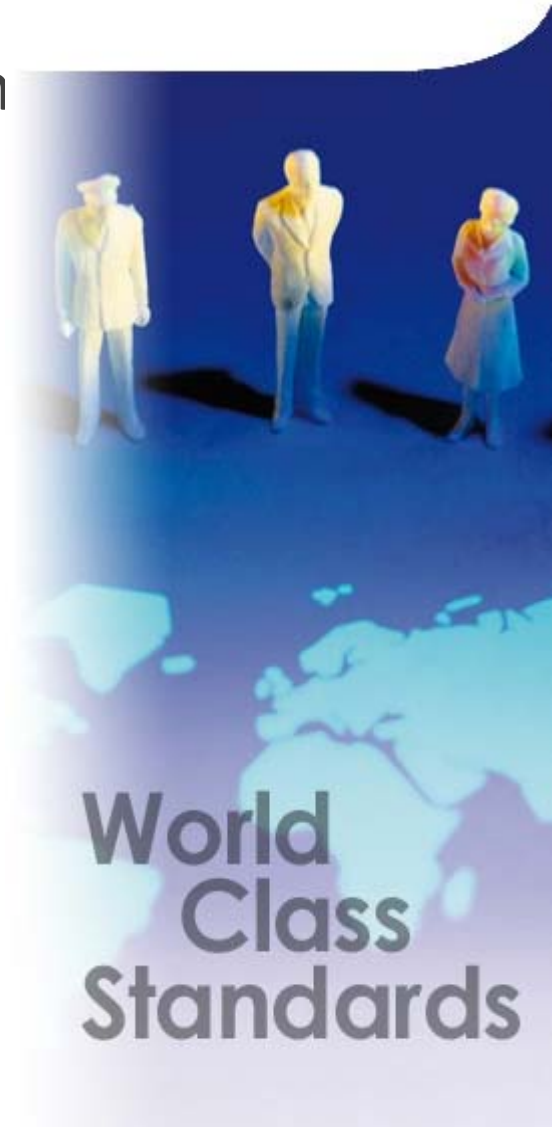


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Interests of standard contributors and standard users



Standard contributors

Develop the most suitable standard

Fair and reasonable access to the standard for all interested users

Reward for the investments into developing the standard

Optimum reward

Standard users

Have the most suitable standard available

Fair and reasonable access to the standard for all interested users

Minimum constraints for using the standard

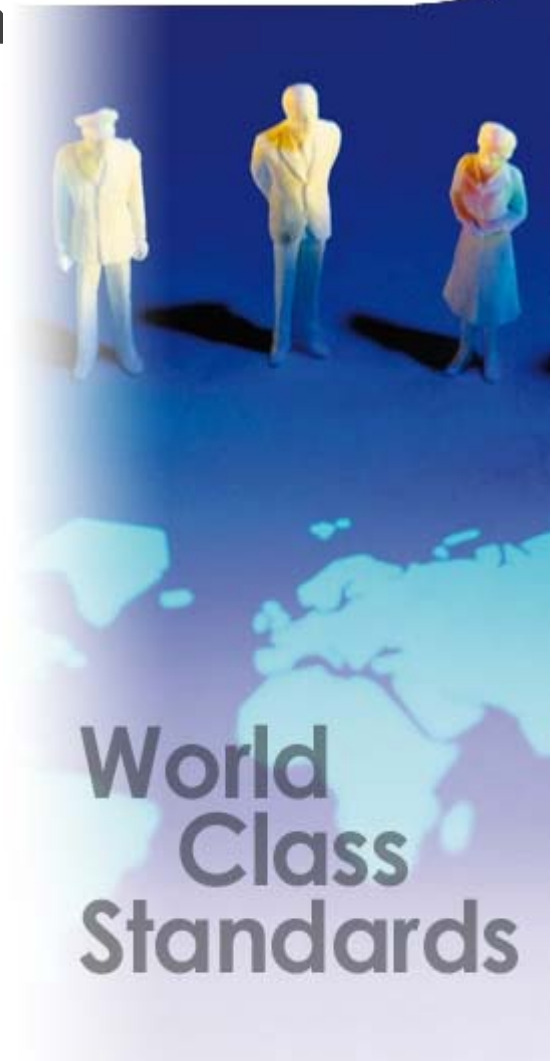
Minimum costs

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Decision making in ETSI



- Consensus is the fundamental principle for any type of decision making in ETSI
- “In all decisions, members shall endeavor to reach Consensus. If *Consensus* cannot be achieved, the Chairman can decide to take a vote.”
- “**Consensus**: General agreement, characterized by the absence of sustained opposition to substantial issues by any important part of the concerned interest and by a process that involves seeking to take into account the views of all parties concerned and to reconcile any conflicting arguments (see ISO Guide 2:1991).”
- IPR policy changes are developed by consensus
- Any proposed changes to the IPR policy will be endorsed by the whole membership and finally approved by consensus or weighted national voting.

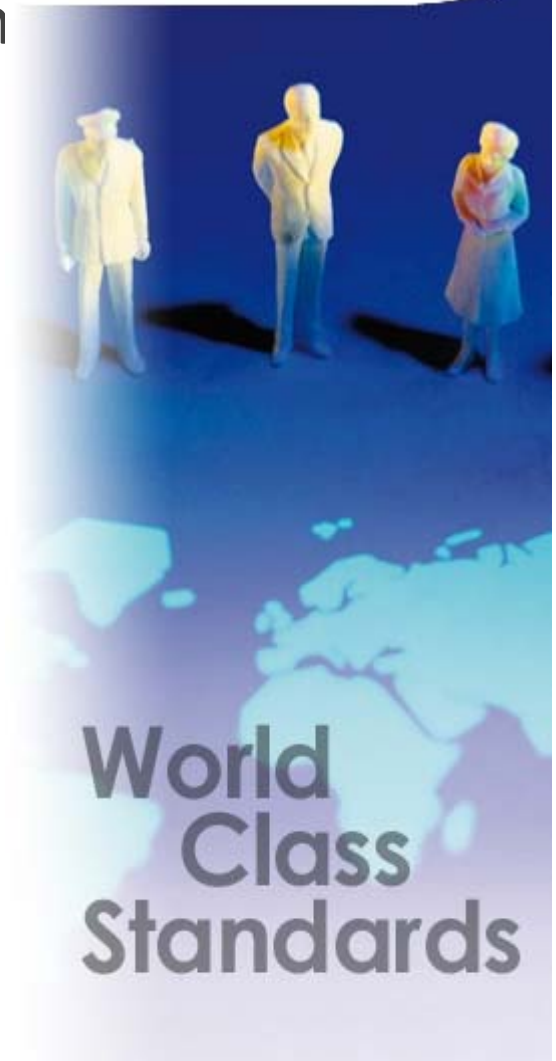


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ETSI's IPR policy objectives, basically unchanged during the past 20+ years



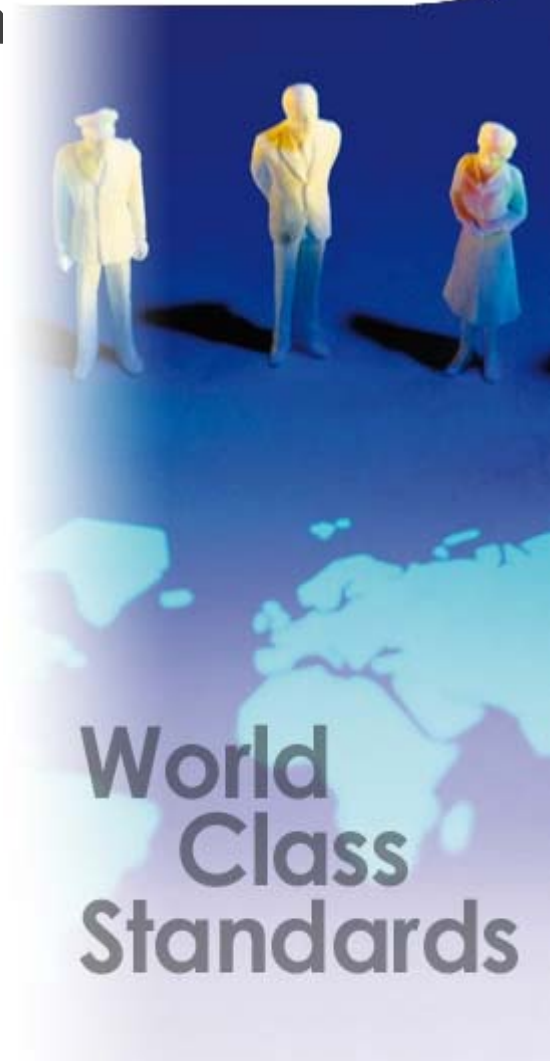
- 3.1 It is ETSI's objective to create STANDARDS and TECHNICAL SPECIFICATIONS that are based on solutions which best meet the technical objectives of the European telecommunications sector, as defined by the General Assembly. In order to further this objective the ETSI IPR POLICY seeks to reduce the risk to ETSI, MEMBERS, and others applying ETSI STANDARDS and TECHNICAL SPECIFICATIONS, that investment in the preparation, adoption and application of STANDARDS could be wasted as a result of an ESSENTIAL IPR for a STANDARD or TECHNICAL SPECIFICATION being unavailable. In achieving this objective, the ETSI IPR POLICY seeks a balance between the needs of standardization for public use in the field of telecommunications and the rights of the owners of IPRs.
- 3.2 IPR holders whether members of ETSI and their AFFILIATES or third parties, should be adequately and fairly rewarded for the use of their IPRs in the implementation of STANDARDS and TECHNICAL SPECIFICATIONS.
- 3.3 ETSI shall take reasonable measures to ensure, as far as possible, that its activities which relate to the preparation, adoption and application of STANDARDS and TECHNICAL SPECIFICATIONS, enable STANDARDS and TECHNICAL SPECIFICATIONS to be available to potential users in accordance with the general principles of standardization.

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- Focus on the most suitable technology for the standards.
- Early identification and disclosure of essential IPRs, especially in cases where the holder of essential IPR is not prepared to grant licences under FRAND terms and conditions.
- Ensuring the future applicability of the standards in full respect of the rights of the IPR owner by requesting irrevocable FRAND licensing undertaking.
- No involvement of ETSI in any commercial discussion on IPR matters (*i.e.*, terms and conditions of the licenses to be determined by the parties of the agreement).

ETSI: info@etsi.org

ETSI IPR: <http://www.etsi.org/about/how-we-work/intellectual-property-rights-iprs>

Questions?

ETSI: info@etsi.org

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Thank you!