



The Standards People



Technical Organization

Explanation of the structure and characteristics of ETSI's TBs/ISGs

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For: **ETSI Seminar**

Purpose of the Presentation

- ✔ Provide an overview of the ETSI Technical organization
- ✔ Explain the various types of ETSI groups and their principle characteristics



ETSI's Technical Organization

The ETSI Technical Organization comprises three types of Technical Body (TB):

- ✔ Technical Committee (TC)

 - ✔ E.g. ERM, ITS, ATTM

- ✔ ETSI Project (EP)

 - ✔ E.g. eHEALTH

 - ✔ well defined results within a specific time frame

- ✔ ETSI Partnership Project (EPP)

 - ✔ E.g. 3GPP, oneM2M PP

 - ✔ In co-operation with external standards bodies

- ✔ A Technical Body may establish Working Groups (WG), if required

ETSI's Technical Groups

25 Technical Committees

- ✔ ATTM, BRAN, BROADCAST, CABLE, CYBER, DECT, EE, ERM, ESI, HF, INT, ITS, LI, MSG, MTS, NTECH, RRS, RT, SAFETY, SCP, SES, SmartBAN, SmartM2M, STQ, TCCE, EMTEL.

4 Special Committees / groups

- ✔ EP eHealth, SC SAGE, SC USER.

2 ETSI Partnership projects

- ✔ 3GPP, oneM2M.

17 ISGs

- ✔ ARF, CDM, CIM, E4P, ENI, ETI, F5G, IPE, MEC, mWT, NFV, NIN, OEU, PDL, QKD, SAI, ZSM.

1 Technical Coordination group

- ✔ OCG

ETSI's Technical Committees

Access, Terminals, Transmission & Multiplexing (ATTM)

Broadband Radio Access Networks (BRAN)

Broadcast (Joint committee with European Broadcasting Union and CENELEC)

Cable

Digital Enhanced Cordless Telecommunication (DECT)

eHealth

Electromagnetic Compatibility & Radio Spectrum (ERM)

Electronic Signatures & Infrastructures (ESI)

Environmental Engineering (EE)

Human Factors (HF)

IMS Network Testing (INT)

Intelligent Transport Systems (ITS)

Lawful Interception (LI)



Continues...

ETSI's Technical Committees

Continued...

Methods for Testing & Specification (MTS)

Mobile Standards Group (MSG)

Network Technologies (NTECH)

Powerline Telecommunications (PLT)

Railway Telecommunications (RT)

Reconfigurable Radio Systems (RRS)

Safety

Satellite Earth Stations & Systems (SES)

Smart Card Platform (SCP)

Smart Body Area Networks (Smart BAN)

Smart Machine to Machine Communications (Smart M2M)

Speech Processing, Transmission & Quality (STQ)

TETRA and Critical Communications Evolution (TCCE) (formerly TETRA)



Technical Committee (TC)

A “classical” type of ETSI committee

✓ set up by BOARD decision

Participation is governed by ETSI Technical Working Procedures (Directives)

All ETSI members can access all documents of TBs

ETSI Projects (EPs) follow the same rules

Industry Specification Group (ISG)

A special type of ETSI committee, very focused activity, designed for quick establishment

Fast to set up (4 founding members)

Can modify some rules vs. TC, e.g. voting: some ISGs use 1 member = 1 vote

Participation is governed by a Industry Specification Group Agreement(s)

✓ Sets out the operation rules, budget mechanism, voting rules etc.

Non-members of ETSI can become Participants, attend meetings, make technical contributions

✓ Participant Agreement imposes the ETSI IPR Policy

ISG Participant members can access ONLY the relevant ISG documents

TBs and ISG

| | TB | ISG |
|--|--------------------------|---|
| Set up | ETSI BOARD approval | Minimum 4 ETSI members necessary, approved by Director General |
| membership | ETSI | Own (ETSI members can participate, if they sign the ISG agreement) (Non-Members of ETSI can participate, under conditions) |
| Decides its own work programme, approves its own deliverables | ✓ | ✓ |
| use ETSI IPR policy | ✓ | ✓ |
| Deliverables produced | EN, ES, EG, TS, TR, | Group Specifications (GS) and Group Report (GR) only |
| Technical Working Procedures | ETSI | Own (Based on ETSI Technical Working Procedures) |
| voting system | ETSI | Each ISG can have its own (Recommended to use ETSI weighted voting, or 1 member 1 vote) |
| Support | Standard ETSI TB support | basic support free of charge |
| Participation is governed by | ETSI Directives | Industry Specification Group Agreement (Sets out the operation rules, budget mechanism, voting rules) |
| Budget | Global ETSI | Own (Decided and paid for by its members, invoiced to them by ETSI, usually not required) |

ETSI's Industry Specification Groups

Augmented Reality Framework (ARF)

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

Cross-cutting Context Information Management (CIM)

Europe for Privacy-Preserving Pandemic Protection (E4P);

Experiential Networked Intelligence (ENI)

Encrypted Traffic Integration (ETI);

Fifth Generation Fixed Network (F5G);

IPv6 Enhanced innovation (IPE);

Mobile Edge Computing (MEC)

Millimetre Wave Transmission (mWT)

Network Functions Virtualisation (NFV)

Non-IP Networking (NIN);

Operational energy Efficiency for Users (OEU)

Permissioned Distributed Ledger (PDL)

Quantum Key Distribution (QKD)

Securing Artificial Intelligence (SAI)

Zero touch network and Services Management (ZSM)



Limitations of an ISG

Typically have a 2 year lifecycle (close / transfer or refresh after 2 years)

Produce ETSI Group Specifications (GS) and Group Report (GR)

- ✔ Specifically identified as coming from an ISG
- ✔ Smaller approval group (only ISG members)
- ✔ GS normative; GR informative

Typically no STF work is done under ISGs

ISGs do not respond to EC mandates