



The Standards People



# Technical Organization

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

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# 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

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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

BOARD	FC	GA	IPR	OCG	3GPP	oneM2M	ATTM	BRAN	BROADCAST	CABLE
CYBER	DECT	EE	eHEALTH	EMTEL	ERM	ESI	HF	INT	ITS	LI
MSG	MTS	NTECH	RRS	RT	SAFETY	SAGE	SCP	SES	SmartBAN	SmartM2M
STQ	TCCE	USER	ARF	CDM	CDP	CIM	ENI	IP6	MEC	mWT
NFV	NGP	OEU	PDL	QKD	ZSM	OSM	NSO	STF	WORKSHOP	

## 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.

## 4 Special Committees / groups

- ✔ EP eHealth, SC EMTEL, SC SAGE, SC USER.

## 2 ETSI Partnership projects

- ✔ 3GPP, oneM2M.

## 13 ISGs

- ✔ ARF, CDM, CDP, CIM, ENI, IP6, MEC, mWT, NFV, NGP, OEU, PDL, QKD, ZSM.

## 1 Technical Coordination group

- ✔ OCG

## 1 Open Source group

- ✔ OSM

# 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)



Continued over...

# 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)

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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)

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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: most 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, but no voting rights

✓ Participant Agreement imposes the ETSI IPR Policy

All ETSI members can access all documents of all ISGs

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)

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

City Digital Profile (CDP)

cross-cutting Context Information Management (CIM)

Experiential Networked Intelligence (ENI)

IPv6 Integration (IP6)

Mobile Edge Computing (MEC)

Millimetre Wave Transmission (mWT)

Network Functions Virtualisation (NFV)

Next Generation Protocols (NGP)

Operational energy Efficiency for Users (OEU)

PDL (Permissioned Distributed Ledger) **New**

Quantum Key Distribution (QKD)

Zero touch network and Services Management (ZSM)



## Limitations of an ISG

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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