



THE VOICE
OF ICT SMEs
IN EUROPE



ETSI TC ATTM Survey

Access, Terminals, Transmission and Multiplexing

PIN-SME General Assembly 18/06/2015.

- **ATTM WG AT2:**
 - **Infrastructure, Physical Networks & Communication Systems.**

- **ATTM WG TM4:**
 - **Fixed Radio Systems.**

- **ATTM WG TM6:**
 - **Wireline Access Network Systems.**

- Specifications of network topology and functional requirements;
- Specifications of transmission related optical components, especially optical fibres and passive components;
- Specifications of requirements for optical fibre and optical cable characteristics related to transmission system performance;
- Specifications of functional and physical characteristics of interfaces, including allocations of overheads;
- Standardization work on transport network protection and survivability;
- Specification of functional requirements for transmission equipment, including line equipment, multiplexers and cross-connectors.

- Specifications for point-to-point and multipoint radio systems, in the fixed service used in core and access networks, covering all equipment aspects including antenna parameters. Radio-frequency matters that may affect CEPT/ECC radio-frequency allocation and policy are excluded;
- Functional requirements for radio-frequency equipment interface, including allocation of overhead;
- Co-operation and technical support towards ECC/PT SE19 for channel arrangements and improved spectrum usage in the frequency bands allocated to fixed service (in co-ordination with ETSI WG ERM/RM).

- Specification of functional and physical characteristics of signals and interfaces on the physical line and at the network and the user side particularly for DSL on balanced wired (twisted pair) infrastructures;
- Frequency and spectrum management of bands allocated to these systems;
- DSL aspect of filters and splitters;
- Specification of common DSL testing methodology.

- ETSI TS 105 175-1-1 V2.1.2:
 - Plastic Optical Fibres;
 - Part 1: Plastic Optical Fibre System Specifications for 100 Mbit/s and 1 Gbit/s;
 - Sub-part 1: Application requirements for physical layer specification for high-speed operations over Plastic Optical Fibres;

- ETSI TS 103 247- xx(Old TS 105 175-2)
 - Singlemode Optical Fibre System Specifications for Home Cabling for 100 Mbit/s and 1 Gbit/s;

- ETSI TS 105 174-4-1 V0.0.1 (2015-01)
 - Broadband Deployment and Energy management;
 - Part 4: Access networks

- ES 205 200-2-2 V0.0.6
 - Global KPIs;
 - Operational infrastructures;
 - Part 2: Specific requirements;
 - Sub-part 2: Fixed Broadband access networks
- ES 205 200-2-3 V0.0.6
 - Global KPIs;
 - Operational infrastructures
 - Part 3: Energy management; Global KPIs; Operational infrastructures;
 - Global KPIs for ICT Sites
- ETSI ETSI TR xxx -xxx V0.0.1
 - Network architecture for Smart Cities

- ETSI EN 302 217-2-2 V2.3.0
 - Fixed Radio Systems;
 - Characteristics and requirements for point to point equipment and antennas
 - Part 2: Equipment operating in frequency bands below 57 GHz

- ETSI EN 302 217-2-1
 - Fixed Radio Systems;
 - Characteristics and requirements for point-to-point equipment and antennas;
 - Part 2-1: System-dependent requirements for digital systems operating in frequency bands where frequency co-ordination is applied;

- ETSI TS 101 548
 - European Requirements for Reverse Powering of Remote Access Equipment
- ETSI TS 101 271
 - Access transmission systems on metallic access cables;
 - Very High Speed digital subscriber line system (VDSL2)
- ETSI TS 101 608
 - European Requirements for Fibre to the Distribution Point (FTTdp)

THE END



Thank you for your attention and patience!

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