



World Class Standards

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Agenda item:

Document for: ISO/IEC JTC1/SC25 WG1
Information

ETSI ATTM Organization & Green Agenda

TC ATTM

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Access Terminals Transmission & Multiplexing

- ❑ **TC ATTM Structure currently includes**
 - **AT2** **Home, optical systems**
 - **TM4** **fixed radio aspects**
 - **TM6** **xDSL system**
 - **AT3** **Cable access & transmission** **DOCSIS included**
- ❑ **ATTM initiated common meeting with CENELEC/TC 215 & WGs to closely co-operate in Installations & Cabling Co-operation Group (I&C CG)**
 - **Physical network deployment**
 - **Installation and equipment**
 - **Installation of sites**
 - **Operators' one, base station included**
 - **Data centre**
 - **Energy efficiency**

Active Sustainable Work Items in ATTM

- ❑ DTR/ATTM-06002: “**Power Optimization for xDSL transceivers.**”
 - **Possibilities to optimize the power consumption of the xDSL transceiver shall be investigated. These investigations may include power modes that are beyond the currently existing modes. The potential influence of power optimization schemes on the stability and performance of each line of the network due to power optimization, e.g. non-stationary noise, shall be an important part of the WI.**



Active Sustainable Work Items in ATTM

- ❑ DTS/ATTM-02005-x-y
 - This TS series addresses the energy efficiency of the key sub-systems for broadband deployment ranging from the operators data centers, sites, core networks, via the access network to the customer premises. The work has been done under the Specialist Task Force (STF) 362.
 - The following deliverables have now been approved in the Working Group and sent for publication.
 - TS 105 174-1: Energy Efficiency and Broadband Deployment: Overview, common and Generic Aspects
 - TR 105174-2-1: Energy Efficiency and Broadband Deployment: Operator sites.
 - TS 105174-2-2: Energy Efficiency and Broadband Deployment: Data centres.
 - TR 105174-4: Energy Efficiency and Broadband Deployment: Access networks
 - TR 105174-5-1: Energy Efficiency and Broadband Deployment: Customer network infrastructures: Homes (Single-tenant)
 - TR 105174-5-2: Energy Efficiency and Broadband Deployment: Customer network infrastructures: Office premises (Single-tenant)
 - TS 105174-5-4: Energy Efficiency and Broadband Deployment: Customer network infrastructures: Customer data centres (Single-tenant)
 - In-home network
 - New specification should issue by end of 2009
 - TS 105174-5-1-1 : Plastic Optical Fibre System Specifications for 100 Mbit/s and 1 Gbit/s
 - The metrics of energy efficiency (Key Performance Indicators) have been addressed for each sub-system and defined for specific sub-systems in which they will link into other initiatives such as the EU Code of Conducts.

Active Sustainable Work Items in ATTM and TISPAN

- ❑ DTS/ATTM-02005-x-y: **“Energy Efficiency and Broadband Deployment”**
 - **Revise TS series to improve energy efficiency KPI and strengthen requirements for conformance.**
 - **Co-ordinate activities with CLC TC215**
 - **TC215 WG3: Future EN 50600 series: Data centre infrastructure and facilities**
 - **TC215 WG2: EN 50174-2: Data centre cabling installation planning and installation practice**
 - **Monitor CLC activities**
 - **Energy efficiency mapping tools (from CLC BT WG132-3 reports)**
 - **Co-ordinate activities with ETSI EE**
 - **Measurement of energy efficiency parameters**

ATTM and TISPAN are closely worked together on more efficient systems and equipment

- ❑ DTR/TISPAN-05028-NGN-R3: **“Telecommunications and Internet converged Services and Protocols for Advanced Networking (TISPAN); Feasibility study of Energy Efficiency in the Customer Premises Networks“**
 - **Proposed work on the different methods of energy control and energy management, i.e., on protocols that control and/or monitor the Energy Efficiency / power modes of devices in the Customer Premises Network. This includes discussion of white-goods, as well as STB, CNG, IPTV, media-storage devices, WLAN Access Points, etc. It is expected that the protocols will allow remote access by users and/or the NGN service provider. Existing work from other fora will be considered, e.g. from HGI, ETSI EE, ETSI ATTM, and from EC Code of Conduct, etc.**





Liaisons World Class Standards

- The following liaisons have been established from ETSI Technical Committee Access Terminals Transmission Multiplexing (ATTM) with other organizations working on Energy Efficiency & Broadband Deployment:
 - GeSI-EE IOCG Standardisation Branch
 - **ATTM and GeSI-EE IOCG have agreed to open an active liaison in order to collaborate on development of useful standards on efficient broadband deployment and multi-service implementation**
 - CENELEC TC 215, TC 205 and TC 209 (ETSI M2M and TISPAN collaborated too)
 - **By means of Installation & Cabling Co-operation Group, strong cooperation is planned with CLC/TCs on energy efficiency of broadband networks and liaised equipment**
 - **Next Installation & Cabling Co-operation Group (I&C CG) is schedule on the 29th of September, 2009 in Paris to manage study of energy efficient data centre and home networking**
 - ITU-T SG 5
 - **Liaison has been requested to ITU-T Study Group 5 in order to cooperate on monitoring of energy efficiency and broadband deployment**
 - ATIS NIPP
 - **Liaison has been requested to ATIS NIPP in order to cooperate on monitoring of energy efficiency and broadband deployment**
 - Home Gateway Initiative (HGI)
 - **Liaison has been requested to HGI in order to cooperate on efficient multi-service equipment**
 - Broadband Forum (BBF)
 - **BBF and ATTM chairmen agreed to create a global liaison between their bodies in order to strongly cooperate on monitoring of energy efficiency and broadband deployment**
 - **Liaison will be active by end of 2009**
 - GSM Association
 - **Liaison statement has been received from GSMA to cooperate on monitoring of energy efficiency of base station (global key performance indicators)**

Thank You

