ETSI (European Telecommunications Standards Institute)

The standards and specifications elaborated by the European Union's official standardization body – where Magyar Telekom has full membership – are indispensable in the design and operation of telecommunications networks and services as well as for ensuring the interoperation of new services. In addition to the results directly used for network development the interim working documents are also applied in the domain of strategic planning. The unified European requirements are directly utilized by the network- and product development area, and they are also useful when planning the Company's development strategy.

IEC, ISO

We also grasp the opportunity of sending experts – with the assistance of the Hungarian Standardization Body – to international organizations for standardization supported by UNO such as ISO (International Organization for Standardization) and IEC (International Electrotechnical Commission); the specialists delegated by us deal with IT and optical communications issues and perform tasks assigned to them typically by teleworking.

ITU – International Telecommunications Union

The standards elaborated by ITU-T and ITU-R ensure world-wide compatibility of telecommunications networks and services. Like with ETSI, interim working documents are important input information for strategic issues. PKI employees contributed to the work performed by Study Group 15 dealing with issues of optical and copper based access networks.

EURESCOM (European Institute for Research and Strategic Studies in Telecommunications)

It was established by European network operators for conducting joint research and development activities and for the publication of results. Magyar Telekom has been a shareholder of the organization since 1992. Simultaneously with our accession to the European Union funds aiming at boosting up research and development activities will be available for Magyar Telekom – therefore for the Institute – as well; the Company may apply for them either alone or as a member of a Hungarian or international consortium engaged in R&D. We also can join in Frame Program 6 of the European Union through EURESCOM.

DSL Forum

DSL Forum, as an international consortium, brings together 200 members, including leading service providers, equipment manufacturers and other partners, e.g. non-profit organisations. The objective of this international Forum is to exploit the full broadband potential offering reliable and easy-to-use access devices at a price which allows satisfaction of mass demands. At present Magyar Telekom has a "Principal Member" status in the Forum. In 2005 we participated in the work of several workgroups and we have utilised the results in the upgrading of our DSL and triple-play network system technologies, in the system integration of Ethernet DSLAM-s and in the identification, specification of the capabilities and features of standardized DSL subscriber terminal equipment.

Cooperation within the DT Group

Development co-operation within Deutsche Telekom Group plays an important role in the harmonisation of development and O&M projects of Magyar Telekom, Croatian Telekom, Slovak Telekom, Deutsche Telekom and MakTel. The primary goal is to ensure infrastructure compatibility based on ETSI and ITU Recommendations. This includes implementation of joint development projects, or on DT Group-level cost-optimised networks (for instance creating joint terminal equipment portfolio and uniformed ADSL and IP platform, and preparation the introduction of new technologies (e.g. WiMax), strategic harmonisation of next generation network concepts. The development themes launched with common efforts offer the opportunity of exploitation of Group-level synergies, while pursuing efficient financial and human resource management and involving common contractual partners. .

Our contribution in consortia

We take part in five consortia with universities and other companies so as to be able to implement up-to-date procedures and services, using sums obtained from funds we have applied for. One of these ventures is the MUPBED project, launched upon Italian initiative for starting and testing pilot (experimental) services. PKI is the only Hungarian member from the seven institutions of five countries.

The consortia have been formed for the following purposes:
- Services over advanced optical networks (funded by Economic Competition Capability Operative Program- GVOP 3.1.1) – participants: Alcatel, Budapest University of Technology and Informatics (BUTE), Dept. of Telecommunications and Media Informatics, Magyar Telekom Rt. PKI
- Construction of broadband network infrastructures by self-governments (funded by Economic Competition Capability Operative Program – GVOP 4.4.2)

Partner organizations

- Adaptive media flow service architecture for advanced mobile telecom systems (funded by the National Research Development Program) – participants: Inter-University Centre for Telecommunications and Informatics, Dept. Of Telecommunications and Informatics, BUTE, Dept. of Telecommunications, BUTE, Magyar Telekom T-Mobile, Ericsson Hungary, Magyar Telekom Rt. PKI
- MUPBED (Multipartner European Test Beds for Research, EU project) – participants: Marconi Ondata (GER), Marconi Italy (ITA), Acreo (SWE), TILAB (ITA), T-Systems (GER), DTU (DEN), TI&D (ESP), Magyar Telekom (HUN), DFN-Verein (GER), GARR (ITA), FAU (GER), Red.es (ESP), Juniper (IRL), PSNC (POL), CoreCom (ITA)
- Mobile 2004 – participants: BME, Ericsson Hungary, Siemens Hungary, SUN, Microsoft, Pannon Telecom, Magyar Telekom T-Mobile, Magyar Telekom PKI