Telecommunications and Information Exchange Between Systems

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Source: **Requirements Group**
Title: **Workshop on MMT(MPEG Media Transport) – Call for Contributions**

MPEG has been developed various technologies for multimedia transport such as MPEG-2 TS, MP4 file format, and so on. Both technologies have been widely accepted and heavily used by the various industries such as digital broadcasting, mobile phones and etc. On the other hands, the standardization organizations such as IETF, IEEE, and 3GPP have been providing various protocols to deliver multimedia contents packetized or packaged by such MPEG transport technologies. For example, several RTP payload formats have been developed to enable the streaming of media from a server to a client over IP networks. However, the development of the payload format was separate from the codec development since, traditionally, the coding and transport of media are associated with different layers of the OSI reference model. Such separation results in the current situation where the optimal streaming solution for MPEG media relies on proprietary information exchange over RTP and its associated protocols.

In order to develop standardized and efficient solutions for the transport of MPEG media, especially given the recent increase demand in the heterogeneous network environment, MPEG is gathering information on current limitations of available standards in the area of media streaming and challenges in emerging network environments.

To overcome existing limitations and face the challenges that emerging applications impose on the requirements of MMT standardization, ISO/IEC WG11 (MPEG) plans to organize a full-day workshop in Kyoto on **Wednesday (11a.m~ 5p.m) January 20 during the 91th WG11 meeting in Japan**.

The key intention of the workshop is to get overview state-of-art technologies as well as to require solid use cases and requirements for MMT.

This will enable MPEG to draw conclusions for the needs and chances in new transport scheme standardization.

For this purpose it is planned to invite speakers on key topics and in addition select a variety of proposed contributions.

The following topics will be considered:

- Industry experience of multimedia transport
    - Delivery of media over IP networks in ptp/ptmp manner
    - Progressive download and streaming
    - MPEG TS Transport between heterogeneous network
    - Delivery and sharing of User created contents

- Challenges of emerging multimedia transport environments:
    - Peer-to-Peer (P2P) traffic for IPTV services
    - Cross-layer designs to improve the Quality of Service/Experience (QoS/QoE)
    - Context- and Content-Aware Networks
    - Conversion between a stream and a randomly accessible file

The workshop will be organized by a single track of oral presentations. When planning to propose a contribution, please send a summary by **12 December 2009**, including title, author(s), area(s) as from the list above and an abstract of 500 words by email to the following persons (chairmen of MPEG systems and requirements subgroups):

- Youngkwon Lim, young@netntv.co.kr
- Jörn Ostermann, ostermann@tnt.uni-hannover.de

The final detail program will be made available by **10 January 2010.** Information about acceptance/rejection of the contributions will be conveyed to proponents prior to that date. Note that contributions that cannot be considered for presentation at the workshop will be reviewed during the following week at the MPEG meeting.