Metadata and Registers (30MR)

Phil Tudor, Chair; Paul Treleaven, Co-chair

OVERVIEW

The 30MR technology committee scope covers the definition and implementation of the SMPTE Registration Authority, including the metadata registers, digital asset identifiers, and common definition of metadata items for use across multiple committees.

ORGANIZATION

The TC has standing working groups on Metadata Definition (Karen Broome, chair), Metadata Structure (Jim Wilkinson, chair) and the Extended Content Control Information (ExCCI) standard (Krishnan Rajagopalan, chair). Other work is organized as project-oriented adhoc groups reporting directly to the TC.

ACTIONS AND PUBLICATIONS

During the past year, the following projects have been completed and published: SMPTE 2029 (URNs for SMPTE Resources) was amended to add a UMID URN (Edwards); SMPTE 298 (Universal Labels) was revised to reference the SMPTE 2029 UL URN plain text form (Weiss); RP 210 (Metadata Element Dictionary) was updated to produce version 11 (Broome); RP 224 (Labels Register) was updated to produce version 10 (Wilkinson); and RP 205 (UMID application) was revised (Wilkinson).

WORK IN PROGRESS

Metadata Definition working group (30.10)

The following projects are in ballot resolution following FCD ballot: update of RP 210 (Metadata Element Dictionary) to produce version 12 (Broome); creation of RP 2009 (Groups Register) (Tudor). Work is on-going to produce RP 2044 (Types Register) (Tudor) and a Controlled Vocabulary Register (Broome). Work has recently started, to produce an Essence Register (Wilkinson). In addition, there is a project to establish naming guidelines (Broome) and a study group on common core metadata (Broome).

Metadata Structure working group (30.20)

The following projects are in ballot resolution following FCD ballot: Revision of SMPTE 335 (Metadata Elements Dictionary Structure) (Beard), SMPTE 2003 (Types Register Structure) (Beard), SMPTE 2024 (Registry XML Interchange Format) (Morgan), SMPTE 2045 (Registry Interchange Format) (Hontsch). Work is on-going to revise SMPTE 395 (Groups Register Structure) (Hontsch) and to produce a Controlled Vocabulary Register Structure (Broome). Work has recently started, to revise SMPTE 400 (Labels Register Structure) (Wilkinson) and to produce an Essence Register Structure (Wilkinson).

ExCCI standard (30.30)

At the June meeting, the TC agreed to withdraw the work statement following a lack of interest in the ballot of this work.

OTHER TC PROJECTS

The TC is reviewing two RDD documents: Ad-ID metadata (Miller) and Media Identifier Registration Service (Morgan).

Phil Tudor is a lead engineer at BBC Research & Development, Kingswood Warren, Surrey, UK. He studied electrical and information sciences at Cambridge University, graduating in 1990. Tudor's technical background includes video compression algorithm development, MPEG-2 standardization, and the development of Advanced Authoring Format (AAF) and Material eXchange Format (MXF) standard file formats for use in tapeless production.

His current work areas include file format standardization, metadata interoperability and the application of new standards in advanced television production systems. He chairs the SMPTE 30MR Technology Committee on Metadata & Registers and is a board member of the Advanced Media Workflow Association. Tudor is a chartered engineer and a member of the Institution of Engineering and Technology (IET) and SMPTE.

Paul Treleaven obtained a First Class Honors Degree in electrical engineering from Imperial College, London, in 1972. He started his career in broadcast engineering at BBC Designs Department, working on projects on vertical interval control data, an OB video switcher, and video synchronization equipment. He designed the interpolation system for the BBC's "ACE" four-field standards converter.

In 1979, Treleaven co-founded Avitel, a company designing and manufacturing video, audio, and timecode distribution and processing equipment. He continued with Avitel as technical director until 2001.

Treleaven is a member of the International Association of Broadcasting Manufacturers' (IABM's) Technical Task Group. He is also a member of the U.K.'s National Standards Body for International Electrotechnical Commission (IEC) TC 100. Treleaven has been a long-standing member of SMPTE. He was Chair of the Technology Committee on Television Audio from 2006 to 2008.