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**Administrative Circular
CAR/290**

18 December 2009

To Administrations of Member States of the ITU

Subject: Radiocommunication Study Group 6

- **Proposed adoption of 10 draft new Recommendations and 9 draft revised Recommendations and their simultaneous approval by correspondence in accordance with § 10.3 of Resolution ITU-R 1-5 (Procedure for the simultaneous adoption and approval by correspondence)**
- **Proposed suppression of 10 Recommendations**

At the meeting of Radiocommunication Study Group 6, held on 16 and 17 November 2009, the Study Group decided to seek adoption of 10 draft new Recommendations and 9 draft revised Recommendations by correspondence (§ 10.2.3 of Resolution ITU-R 1-5) and further decided to apply the procedure for simultaneous adoption and approval by correspondence (PSAA), (§ 10.3 of Resolution ITU-R 1-5). The titles and summaries of the draft Recommendations are given in Annex 1. Furthermore, the Study Group proposed the suppression of 10 Recommendations which are listed in Annex 2.

The consideration period shall extend for 3 months ending on 18 March 2010. If within this period no objections are received from Member States, the draft Recommendations shall be considered to be adopted by Study Group 6. Furthermore, since the PSAA procedure has been followed, the draft Recommendations shall also be considered as approved. However, if any objection is received from a Member State during the consideration period, the procedures given in § 10.2.1.2 of Resolution ITU-R 1-5 shall apply.

After the above-mentioned deadline, the results of the PSAA procedure shall be announced in an Administrative Circular (CACE) and the approved Recommendations published as soon as practicable.

Any ITU member organization aware of a patent held by itself or others which may fully or partly cover elements of the draft Recommendation(s) mentioned in this letter is requested to disclose such information to the Secretariat as soon as possible. The Common Patent Policy for ITU-T/ITU-R/ISO/IEC is available at <http://www.itu.int/ITU-T/dbase/patent/patent-policy.html>.

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Annex 1: Titles and summaries of the draft Recommendations

Annex 2: Recommendations proposed for suppression

Documents attached: Documents 6/175(Rev.1), 6/181(Rev.1), 6/182(Rev.1), 6/183(Rev.1), 6/198(Rev.1), 6/200(Rev.1), 6/203(Rev.1), 6/213(Rev.1), 6/218(Rev.1), 6/221(Rev.1), 6/178(Rev.1), 6/197(Rev.1), 6/199(Rev.1), 6/204(Rev.1), 6/205(Rev.1), 6/206(Rev.1), 6/208(Rev.1), 6/220(Rev.1) and 6/222(Rev.1) on CD-ROM

Distribution:

- Administrations of Member States of the ITU
- Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 6
- ITU-R Associates participating in the work of Radiocommunication Study Group 6

Annex 1

Titles and summaries of the draft Recommendations

Draft new Recommendation ITU-R BS.[LOUD]

Doc. 6/175(Rev.1)

Operational practices for loudness in the international exchange of digital television programmes

This Recommendation specifies operating practices intended to improve the consistency of loudness in the international exchange of digital television programmes. The practices specified apply to the production of those programmes. They do not apply to the distribution or emission of broadcast programmes.

Draft new Recommendation ITU-R BT.[META-MON]

Doc. 6/181(Rev.1)

Metadata to monitor errors of SDTV and HDTV signals in the broadcasting chain

This Recommendation describes the metadata to monitor errors of audio, video, and data signals for broadcast operational monitoring to help increase the reliability and efficiency of monitoring SDTV and HDTV signals in the broadcasting chains, and to help operators to analyse the causes of malfunctions or degradation in quality. The metadata describing the video and audio features of the video and audio signals are to be transported as ancillary data packets through a broadcasting chain.

Draft new Recommendation ITU-R BT.[LDTVFR]

Doc. 6/182(Rev.1)

Objective perceptual video quality measurement techniques for broadcasting applications using low definition television in the presence of a full reference

This Recommendation specifies methods for estimating the perceived video quality of broadcasting applications using low definition television (LDTV) when a full reference signal is available.

Draft new Recommendation ITU-R BT.[LDTVRR]

Doc. 6/183(Rev.1)

Objective perceptual visual quality measurement techniques for broadcasting applications using low definition television in the presence of a reduced reference

This Recommendation specifies methods for estimating the perceived video quality of broadcasting applications using low definition television (LDTV) when a reduced reference (RR) signal is available.

Draft new Recommendation ITU-R BT.[URTT]

Doc. 6/198(Rev.1)

User requirements for codecs for transmission of television signals through contribution, primary distribution and SNG networks

This Recommendation describes user requirements for the transmission of television signals, including SDTV and HDTV, through contribution, primary distribution, and SNG networks.

When this Recommendation is approved, Recommendations ITU-R BT.800, ITU-R BT.1205 and ITU-R BT.1121 will be suppressed.

Draft new Recommendation ITU-R BT.[MUXVLP]

Doc. 6/200(Rev.1)

Multiplexing scheme for variable-length packets in digital multimedia broadcasting systems

This Recommendation deals with multiplexing schemes for variable-length packets over broadcasting channels. Specifications are given for schemes for transporting IP packets over broadcasting channels: encapsulation format, header compressed IP packet format, and transmission control signals.

Draft new Recommendation ITU-R BT.[BSEM]

Doc. 6/203(Rev.1)

Video coding for digital television broadcasting emissions

This Recommendation specifies video coding standards to be used for digital broadcasting emissions. When this Recommendation is approved, Recommendation ITU-R BT.1208 will be suppressed.

Draft new Recommendation ITU-R BT.[WIREMIC]

Doc. 6/213(Rev.1)

User requirements for wireless microphones

This Recommendation deals with user requirements for wireless microphones. It contains typical system parameters and operational requirements for analogue and digital wireless microphones, which may be used by administrations and broadcasters when planning tuning ranges within broadcasting, fixed and mobile service allocations.

Draft new Recommendation ITU-R BT.[ENGUSER]

Doc. 6/218(Rev.1)

User requirements for digital electronic news gathering

This Recommendation deals with user requirements for broadcast auxiliary services (BAS). It contains typical operational requirements for digital TVOB, ENG and EFP, which may be used by administrations when planning usage of their fixed and mobile TVOB, ENG and EFP applications.

Draft new Recommendation ITU-R BS.[MADI]

Doc. 6/221(Rev.1)

Serial multichannel audio digital interface for broadcasting studios

This Recommendation specifies the data organization and electrical characteristics for a multichannel audio digital interface for broadcasting studios. The specification provides for the serial digital transmission over coaxial or fibre-optic lines of linearly represented digital data at a common sampling frequency within the range of 32 kHz to 48 kHz having a resolution of up to 24 bits per channel.

Draft revision of Recommendation ITU-R BT.1728

Doc. 6/178(Rev.1)

Guidance on the use of flat panel displays in television production and postproduction

This revision to Recommendation ITU-R BT.1728 is to recognize that the use of flat panel displays in television production/postproduction is now an accepted practice, and to also confirm that flat panel displays used for critical viewing in television production/postproduction environments should first be tested in order to identify the brands and models capable of providing images that adequately match those obtained from a properly-aligned grade-1 CRT monitor.

Draft revision of Recommendation ITU-R BT.1305

Doc. 6/197(Rev.1)

Digital audio and auxiliary data as ancillary data signals in interfaces conforming to Recommendations ITU-R BT.656 and ITU-R BT.799

This proposed revision of Recommendation ITU-R BT.1305 is to correct normative references and to clarify the definition of ancillary data packets. No technical changes have been made that would impact backwards compatibility.

Draft revision of Recommendation ITU-R BT.1845

Doc. 6/199(Rev.1)

Guidelines on metrics to be used when tailoring television programmes to broadcasting applications at various image quality levels, display sizes and aspect ratios

Recommendation ITU-R BT.1845 identifies the “optimal viewing distance” and the “optimal horizontal viewing angle” as metrics applicable to digital image systems, and it provides a table and a figure to show how they could be used as a guide in the choice of image systems for various applications.

There is an increasing interest in the possibility to provide television programming to portable wireless displays, such as cellular phones or hand-held devices which, by virtue of their portability, are constrained to use much smaller displays than is customary in television sets, and at the same time are also typically viewed at much closer distances.

The “closest comfortable viewing distance” can be used as a further useful metric for such a method of distribution of television programming.

Draft revision of Recommendation ITU-R BT.1364-1

Doc. 6/204(Rev.1)

Format of ancillary data signals carried in digital component studio interfaces

This proposed revision of Recommendation ITU-R BT.1364-1 is to update assigned values, and to update the text and clarify terms. Backwards compatibility with the earlier version of this Recommendation is retained.

Draft revision of Recommendation ITU-R BT.1365

Doc. 6/205(Rev.1)

24-bit digital audio format as ancillary data signals in HDTV serial interfaces

This proposed revision of Recommendation ITU-R BT.1365 is to include 96 kHz audio sampling, correct some editorial errors, and to bring the Recommendation into alignment with other recognized standards. Backwards compatibility with existing implementations is maintained.

Draft revision of Recommendation ITU-R BS.1196-1

Doc. 6/206(Rev.1)

Audio coding for digital broadcasting

This draft revision is to update Recommendation ITU-R BS.1196 as the comprehensive audio source coding Recommendation for broadcasting by combining Recommendation ITU-R BS.1115 “Low bit-rate audio coding” and incorporating information from Recommendation ITU-R BS.1548 “User requirements for audio coding systems for digital broadcasting” and the MPEG Surround technology.

When this draft revision is approved, Recommendation ITU-R BS.1115 will be suppressed.

Draft revision of Recommendation ITU-R BT.1620

Doc. 6/208(Rev.1)

Data structure for DV-based audio, data and compressed video at a data rate of 100 Mbit/s

This proposed revision is to include ITU-R references, include video formats previously not included, and to correct some incorrect values. The original Annex 1 has been totally deleted as it was imported into the original document as a picture and could not be edited as part of the revision. As a result the document looks as if all text is new, this is not the case. Approx 10% of the text is new.

The revisions are the following:

- 1) Add conformance text (*recommends 2*)
- 2) Add scope
- 3) Update *recommends 1*) to comply with ITU image formats
- 4) Clarify “speed” definitions (Table 21)
- 5) Revise Table 28

Draft revision of Recommendation ITU-R BT.1199

Doc. 6/220(Rev.1)

Use of bit-rate reduction in the HDTV studio environment

This draft revision replaces dated text of the original Recommendation ITU-R BT.1199, and recognizes the current status of the transition to HDTV.

The basic elements of a worldwide common family of systems for digital terrestrial television broadcasting

In the study of digital terrestrial broadcasting systems conducted by Task Group 11/3 in 1990s, a number of Recommendations were produced to cover different elements of the systems. Among them, Recommendation ITU-R BT.1299 identifies basic principles of systems, baseband coding, and modulation and channel coding.

This draft revision of Recommendation reflects the current status of ITU-R Recommendations on video and audio source coding, multiplexing, modulation and channel coding for digital terrestrial television broadcasting.

Annex 2

Recommendations proposed for suppression

Recommendation ITU-R	Title
BT.809	Programme delivery control (PDC) system for video recording
BT.810	Conditional-access broadcasting systems
BT.1437	User requirements for digital coding for multi-programme television transmission
BR.1357	Use of wrappers and metadata in television production
BT.1362	Interfaces for digital component video signals in 525- and 625-line progressive scan television systems
BT.1532	The MPEG-2 recoding data set for the preservation of picture quality in cascade of MPEG-2 codecs
BT.1550	MPEG-2 recoding data set for the preservation of picture quality in cascade of MPEG-2 codecs compressed stream format
BT.1551	Transport of MPEG-2 recoding data set as ancillary data packets
BT.1533	Editing information for MPEG-2 video elementary streams for applications in television production
BT.1378	Basic requirements for multimedia-hypermedia broadcasting
