INTERNATIONAL TELECOMMUNICATION UNION

Radiocommunication Bureau
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Administrative Circular
CAR/248

14 September 2007

To Administrations of Member States of the ITU

Subject: **Radiocommunication Study Group 6**

– **Proposed approval of 4 draft new Recommendations and 9 draft revised Recommendations**

At the meeting of ITU-R Study Group 6 (Broadcasting Services) held on 7 and 8 May 2007, the Study Group decided to seek adoption of 4 draft new Recommendations and 9 draft revised Recommendations by correspondence, according to § 10.2.3 of Resolution ITU-R 1-4.

As stated in Circular letter 6/LCCE/58, dated 29 June 2007, the consultation period for the Recommendations ended on 29 August 2007.

The Recommendations have now been adopted by Study Group 6 and the approval procedure of Resolution ITU-R 1-4 § 10.4.5 is to be applied, noting the interim procedures recommended by the RAG at its meeting in November 2004*. The titles and summaries of the Recommendations are given in Annex 1.

Having regard to the provisions of § 10.4.5.2 of Resolution ITU-R 1-4, you are requested to inform the Secretariat (brsgd@itu.int) by 14 December 2007 whether your Administration approves or does not approve the draft Recommendations.

A Member State who indicates that the draft Recommendations should not be approved is requested to advise the Secretariat of the reason and to indicate possible changes in order to facilitate further consideration by the Study Group during the study period (§ 10.4.5.5 of Resolution ITU-R 1-4).

After the above-mentioned deadline, the results of this consultation will be notified in an Administrative Circular and arrangements made for the approved Recommendations to be published in accordance with § 10.4.7 of Resolution ITU-R 1-4.

* See Administrative Circular CA/145.

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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 summary of conclusions of the fourteenth Radiocommunication Advisory Group Meeting (see CA/166) refers to the common patent policy for ITU-T/ITU-R/ISO/IEC that is applicable to ITU-R Recommendations.

Valery Timofeev
Director, Radiocommunication Bureau

Annex 1: Titles and summaries of the draft Recommendations

Documents attached:
Documents 6/BL/42 – 6/BL/54 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 adopted by Radiocommunication Study Group 6

Draft new Recommendation ITU-R BT.[Doc. 6/369(Rev.1)] Doc. 6/BL/42

Digital Video Broadcast-Return Channel Terrestrial (DVB-RCT) deployment scenarios and planning considerations

This document sets forth some deployment scenarios and considerations to assist regulators whose task it will be to allocate spectrum for interactive return paths employing the Digital Video Broadcast-Return Channel Terrestrial (DVB-RCT) system.

Draft new Recommendation ITU-R BT.[Doc. 6/374(Rev.1)] Doc. 6/BL/43

Broadcasting of multimedia and data applications for mobile reception by handheld receivers

This Recommendation provides an answer to the specific objectives of Question ITU-R 45/6 in order to guide administrations, as well as the broadcasting and radiocommunication industries, in the development of mobile broadcasting multimedia and data solutions. The scope of this Recommendation deals with the special aspects of end user requirements for handheld receivers.

Draft new Recommendation ITU-R BO.[BSS/FSS] (Doc. 6/382(Rev.1)) Doc. 6/BL/44

Coordination between geostationary-satellite orbit fixed-satellite service networks and broadcasting-satellite service networks in the band 17.3-17.8 GHz and among the broadcasting-satellite service and associated feeder-link networks serving Region 2 in the bands 17.3-17.8 GHz and 24.75-25.25 GHz

This Recommendation addresses the issue of inter-service coordination between BSS networks serving Region 2 and FSS networks serving Regions 1 and/or 3 in all or part of the frequency band 17.3-17.8 GHz. This issue arises as a consequence of the introduction of the primary BSS allocations in Region 2 as of 1 April 2007, and the existing primary space-to-Earth FSS allocation in Region 1 (17.3-17.8 GHz) and Region 3 (17.7-17.8 GHz). It also addresses the issue of intra-service coordination among BSS and associated feeder-link networks in all or part of the frequency bands 17.3-17.8 GHz and 24.75-25.25 GHz. Representative FSS and BSS system characteristics are considered in order to perform a technical analysis of the coordination requirements.

This Recommendation recommends that administrations conducting coordination under No. 9.7 of the Radio Regulations take into consideration the material provided in Annexes 1 and 2.

Annex 1 concludes that a coordination arc of ±16 degrees is appropriate for intraservice, intraregional coordination for Region 2 BSS and associated feeder-link networks in the bands 17.3-17.8 GHz and 24.75-25.25 GHz.

Annex 2 concludes that a coordination arc of ±8 degrees is appropriate for the coordination of FSS (space-to-Earth) in the three Regions with respect to BSS in Region 2 in the band 17.3-17.8 GHz.

Draft new Recommendation ITU-R BO.[Doc. 6/383(Rev.1)] Doc. 6/BL/45

Sharing between broadcasting-satellite service (BSS) networks using the Region 2 17.3-17.8 GHz BSS allocation and feeder links of BSS networks using the worldwide 17.3-17.8 GHz fixed-satellite service (FSS) (Earth-to-space) allocation

This Recommendation is intended to help facilitate the design and coordination of new Region 2 BSS networks that will use the 17.3-17.8 GHz BSS allocation that took effect on 1 April 2007. Annex 1 to the Recommendation provides detailed parametric analyses of the two cases where coordination of such networks might be required with BSS networks that use the worldwide 17.3-17.8 GHz FSS (Earth-to-space) allocation for feeder links. The results shown in this Recommendation demonstrates that close orbital spacing can be achieved, while still meeting a $\Delta T/T$ criterion of 6%, if the results of these analyses are considered in the design of Region 2 satellites.

Draft revision of Recommendation ITU-R BT.1367 (Doc. 6/355(Rev.1)) Doc. 6/BL/46

Serial digital fibre transmission system for signals conforming to Recommendations ITU-R BT.656, ITU-R BT.799 and ITU-R BT.1120

This proposed extensive revision to Recommendation ITU-R BT.1367 is to bring the Recommendation in line with current technology and industry practice of using both single-mode and multi-mode operation. It retains backwards compatibility with current implementations through the use of "pigtail" adaptor cables.

Draft revision of Recommendation ITU-R BT.656-4 (Doc. 6/356(Rev.1)) Doc. 6/BL/47

Interface for digital component video signals in 525-line and 625-line television systems operating at the 4:2:2 level of Recommendation ITU-R BT.601

This proposed revision to Recommendation ITU-R BT.656 is to take account of three major issues.

1) Since Recommendation ITU-R BT.601 no longer has a part B "The 18 MHz sampling members of the family", any reference to this should be removed.

2) The physical parallel interface defined by Recommendation ITU-R BT.656 should be deprecated as it is no longer used. For legacy installations the physical interface has been relegated to an informative section of the document.

3) Recommendation ITU-R BT.601-6 now contains the necessary information to carry both 8- and 10-bit signal representations. This proposed revision to Recommendation ITU-R BT.656 removes the optional aspects of the 10-bit source signal.

Finally there have been a number of text changes to reflect current practice. With this proposed revision this Recommendation now reflects current state-of-the-art in this area.

Draft revision of Recommendation ITU-R BT.1366 (Doc. 6/357(Rev.1)) Doc. 6/BL/48

Transmission of time code and control code in the ancillary data space of a digital television stream according to ITU-R BT.656, ITU-R BT.799, and ITU-R BT.1120

This proposed editorial revision is required to reflect the adoption of Recommendation ITU-R BR.780-2 as the normative reference for time code as it is embedded into serial digital interfaces. There are no technical impacts as a result of this change to the normative reference.

Draft revision of Recommendation ITU-R BT.1120-6 (Doc. 6/359(Rev.1)) Doc. 6/BL/49

Digital interfaces for HDTV studio signals

This proposed editorial revision of Recommendation ITU-R BT.1120-6 is to address the change of the normative reference number for the BNC connector. There is no change in any mechanical or electrical characteristics.

Draft revision of Recommendation ITU-R BT.1381-2 (Doc. 6/363(Rev.1)) Doc. 6/BL/50

Serial digital interface-based transport interface for compressed television signals and packetized data in networked television production based on Recommendation ITU-R BT.656

Although this Recommendation was only approved one year ago, as a result of the revision to Recommendation ITU-R BT.601, and the removal of 18 MHz sampling the text, and data values contained in the Recommendation are now no longer valid. This revision corrects the text, drawings, figures and data values, even though this Recommendation was revised in 2006.

Draft revision of Recommendation ITU-R BT.799-3 (Doc. 6/364(Rev.1)) Doc. 6/BL/51

Interface for digital component video signals in 525-line and 625-line television systems operating at the 4:4:4 level of Recommendation ITU-R BT.601

This proposed revision to Recommendation ITU-R BT.799-3 is to take account of three major issues:

1) Since Recommendation ITU-R BT.601 no longer has a Part B “The 18 MHz sampling members of the family”, any reference to this should be removed.

2) The physical parallel interface defined by Recommendation ITU-R BT.799-3 should be deprecated as it is no longer used. For legacy installations the physical interface has been relegated to an informative section of the document.

3) Recommendation ITU-R BT.601 now contains the necessary information to carry both 8- and 10-bit signal representations. This proposed revision to Recommendation ITU-R BT.799 removes the optional aspects of the 10-bit source signal.

Finally there have been a number of text changes to reflect current practice. With this proposed revision this Recommendation now reflects current state of the art in this area.

Draft revision of Recommendation ITU-R BR.1352-2 (Doc. 6/366(Rev.1)) Doc. 6/BL/52

File format for the exchange of audio programme materials with metadata on information technology media

The purpose of this revision to Recommendation ITU-R BR.1352-2 is to bring this Recommendation into line with current industry practice and to define additional «Chunk» types to address industry needs.

The basis for this revision is industry documents issued by AES and EBU. Incorporation of this additional information provides a more complete specification for the Broadcast Wave Format (BWF) as defined in this Recommendation. A universal audio extension chunk "ubxt" «Chunk» is defined to address situations where the language of the operators requires a multi-byte character set.

Draft revision of Recommendation ITU-R BT.1722 (Doc. 6/371(Rev.1)) Doc. 6/BL/53

Harmonization of the instruction set for the execution engine for interactive TV applications

This Recommendation defines Application Programming Interfaces (APIs), semantic guarantees and system aspects of platform behaviour for the harmonized instruction set for the execution engines for interactive TV applications.

Revision of Recommendation ITU-R BT.1722 includes the following updated and newly developed instruction set for the execution engines: Digital Video Broadcasting – Globally Executable MHP (DVB-GEM), DVB-MHP 1.0 and 1.1, OCAP-1.0, ARIB STD-B23 and ACAP. Harmonization is based on GEM 1.0.1 which has been developed with contributions from DVB, SCTE, ARIB and ATSC. Therefore GEM 1.0.1 is the normative reference in Recommendation BT.1722. The other specifications listed above are included for information as well as the Appendices which describe the additional APIs specific to these specifications and are therefore not included in the harmonized normative part.

Draft revision of Recommendation ITU-R BT.1368-6 (Doc. 6/408(Rev.1)) Doc. 6/BL/54

Planning criteria for digital terrestrial television services in the VHF/UHF bands

This draft modification complements rather than changes the existing Recommendation, by providing new information for the use of hand-held reception of digital terrestrial television services in the VHF/UHF bands.

New text in Recommendation ITU-R BT.1368-6 is proposed in Annex 2, new section 7.

This new section will complement the existing section 6 in Annex 2, which gives planning information in mobile reception. The new section is in similar format than section 6.

The normal procedure for adoption and approval of Recommendations is proposed.

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