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| **Radiocommunication Assembly (RA-15)Geneva, 26-30 October 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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|  | **Document 6/1003-E** |
| **28 September 2015** |
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| Radiocommunication Study Group 6 |
| broadcasting service |
| Questions assigned to radiocommunication study group 6 |
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Attached please find the list of Questions assigned to Radiocommunication Study Group 6. The following extract from Resolution ITU-R 5-6 gives the definition of categories of Questions:

C: Conference-oriented Questions associated with work related to specific preparations for, and decisions of, world and regional radiocommunication conferences:

C1: very urgent and priority studies, required for the next World Radiocommunication Conference;

C2: urgent studies, expected to be required for other radiocommunication conferences;

S: Questions which are intended to respond to:

– matters referred to the Radiocommunication Assembly by the Plenipotentiary Conference, any other conference, the Council, the Radio Regulations Board;

– advances in radiocommunication technology or spectrum management;

– changes in radio usage or operation:

S1: urgent studies which are intended to be completed within two years;

S2: important studies, necessary for the development of radiocommunications;

S3: required studies, expected to facilitate the development of radiocommunications;

/AP: Alternative approval procedure.

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| **NOC** = Maintained | **MOD** = Revised | **SUP** =Deleted | **ADD** =New text | **UNA** = Undergoing approval |

NOTE – For Administrative Circular CACE/746, the consideration period ends on 14 October 2015.

QUESTIONS ASSIGNED TO radiocommunication STUDY GROUP 6

Broadcasting service

| Question ITU-R | Title | Status | Category | Proposed target date | Comments |
| --- | --- | --- | --- | --- | --- |
| [**4-2/6**](http://www.itu.int/pub/R-QUE-SG06.4)  | Planning parameters for digital television broadcasting using terrestrial channels | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**9/6**](http://www.itu.int/pub/R-QUE-SG06.9)  | Universal transmitters and retransmitters for both analogue and digital terrestrial TV broadcasting | NOC | (S2) | 2019 |  |
| [**11/6**](http://www.itu.int/pub/R-QUE-SG06.11)  | Polarization of emissions in the terrestrial broadcasting service | NOC | (S2) | 2019 |  |
| [**12-3/6**](http://www.itu.int/pub/R-QUE-SG06.12)  | Generic bit-rate reduction coding of digital video signals for production, for contribution, for primary and secondary distribution, for emission and for related applications | NOC | (S2) | 2019 |  |
| [**14/6**](http://www.itu.int/pub/R-QUE-SG06.14)  | Digital and analogue-digital TV receivers and receiving antenna characteristics required for the terrestrial TV broadcasting frequency planning | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**15-2/6**](http://www.itu.int/pub/R-QUE-SG06.15)  | Large screen digital imagery (LSDI) | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**16-2/6**](http://www.itu.int/pub/R-QUE-SG06.16)  | Digital interactive broadcasting | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**19-1/6**](http://www.itu.int/pub/R-QUE-SG06.19)  | Bit-rate reduction coding of audio signals for broadcasting applications | NOC | (S2) | 2019 |  |
| [**27/6**](http://www.itu.int/pub/R-QUE-SG06.27)  | Receivers for sound broadcasting below 30 MHz | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**29/6**](http://www.itu.int/pub/R-QUE-SG06.29)  | Transmission of supplementary information with a single transmitter in frequency-modulation sound broadcasting | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**30/6**](http://www.itu.int/pub/R-QUE-SG06.30)  | Transmitting and receiving antennas at VHF and UHF | NOC | (S2) | 2019 |  |
| [**32-1/6**](http://www.itu.int/pub/R-QUE-SG06.32)  | Protection requirements of broadcasting systems against interference from radiation caused by wired telecommunication systems, from emissions of industrial, scientific and medical equipment, and from emissions of short-range devices | NOC | (S1) | 2017 |  |
| [**34-2/6**](http://www.itu.int/pub/R-QUE-SG06.34)  | File formats and transport for the exchange of audio, video, data and metadata materials in the professional television and large screen digital imagery (LSDI) environments | NOC | (S2) | 2019 |   |
| [**40-3/6**](http://www.itu.int/pub/R-QUE-SG06.40)  | Extremely high-resolution imagery | NOC | (S2) | 2019 |  |
| [**44-4/6**](http://www.itu.int/pub/R-QUE-SG06.44)  | Objective picture quality parameters and associated measurement and monitoring methods for digital television images | NOC | (S3) | 2019 |  |
| [**45-5/6**](http://www.itu.int/pub/R-QUE-SG06.45)  | Broadcasting of multimedia and data applications | NOC | (S2) | 2019 |  |
| [**46-1/6**](http://www.itu.int/pub/R-QUE-SG06.46)  | User requirements for metadata related to digital production, post production, recording and archiving of sound and television programmes in broadcasting | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**48/6**](http://www.itu.int/pub/R-QUE-SG06.48)  | In-service monitoring of perceived audio quality for distribution and broadcasting networks | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**49-1/6**](http://www.itu.int/pub/R-QUE-SG06.49)  | Conditional-access broadcasting systems | NOC | (S2) | 2019 |  |
| [**51/6**](http://www.itu.int/pub/R-QUE-SG06.51)  | Sky-wave reception in LF, MF and HF broadcasting | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**52-1/6**](http://www.itu.int/pub/R-QUE-SG06.52)  | Coverage in LF, MF and HF broadcasting | NOC | (S1) | 2017 |  |
| [**53/6**](http://www.itu.int/pub/R-QUE-SG06.53)  | Standards for the transmission of several sound signals in one television channel in terrestrial or satellite broadcasting including high-definition and enhanced definition television systems | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**55/6**](http://www.itu.int/pub/R-QUE-SG06.55)  | Subjective assessment of sound quality in broadcasting using digital techniques | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**56-1/6**](http://www.itu.int/pub/R-QUE-SG06.56)  | Characteristics of terrestrial digital sound broadcasting systems for reception by vehicular, portable and fixed receivers | NOC | (S1) | 2017 |  |
| [**59-1/6**](http://www.itu.int/pub/R-QUE-SG06.59)  | Archiving of sound programmes in broadcasting | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**60/6**](http://www.itu.int/pub/R-QUE-SG06.60)  | Digital broadcasting at frequencies below 30 MHz | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**62/6**](http://www.itu.int/pub/R-QUE-SG06.62)  | Subjective assessment of small, medium and large impairments in sound quality | NOC | (S2) | 2019 |  |
| [**64-1/6**](http://www.itu.int/pub/R-QUE-SG06.64)  | Planning parameters for digital broadcasting at frequencies below 30 MHz | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**65/6**](http://www.itu.int/pub/R-QUE-SG06.65)  | Spectrum requirements for sound broadcasting | NOC | (S1) | 2017 |  |
| [**69-1/6**](http://www.itu.int/pub/R-QUE-SG06.69)  | Conditions for a satisfactory television service in the presence of reflected signals | NOC | (S1) | 2017 |  |
| [**80/6**](http://www.itu.int/pub/R-QUE-SG06.80)  | Coding for the broadcasting of digitally-encoded TV signals in terrestrial narrow-band channels | NOC | (S1) | 2017 |  |
| [**88/6**](http://www.itu.int/pub/R-QUE-SG06.88)  | Subjective assessment of stereoscopic television pictures | UNA | (S3) | 2015 | CACE/746 proposes SUP |
| [**89-1/6**](http://www.itu.int/pub/R-QUE-SG06.89)  | User requirements for electronic news gathering | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**93/6**](http://www.itu.int/pub/R-QUE-SG06.93)  | Frequency requirements for electronic news gathering | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**95/6**](http://www.itu.int/pub/R-QUE-SG06.95)  | Use of computer technology in television broadcasting applications | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**96-1/6**](http://www.itu.int/pub/R-QUE-SG06.96)  | User requirements in the area of media asset management and transfer protocols for television programme production, recording and archiving | UNA | (S3) | 2015 | CACE/746 proposes SUP |
| [**99/6**](http://www.itu.int/pub/R-QUE-SG06.99)  | Relationship between quality, quality evaluation methodology, and type of application, in a multimedia environment | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**100/6**](http://www.itu.int/pub/R-QUE-SG06.100)  | Television and multimedia images quality levels | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**102-3/6**](http://www.itu.int/pub/R-QUE-SG06.102)  | Methodologies for subjective assessment of audio and video quality | NOC | (S2) | 2019 |  |
| [**105/6**](http://www.itu.int/pub/R-QUE-SG06.105)  | Spectrum requirements for television broadcasting | NOC | (S1) | 2017 |  |
| [**108/6**](http://www.itu.int/pub/R-QUE-SG06.108)  | Digital sound broadcasting in band 7 (HF) in the Tropical Zone | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**109/6**](http://www.itu.int/pub/R-QUE-SG06.109)  | In-service monitoring of perceived audiovisual quality for broadcasting and distribution networks | NOC | (S1) | 2017 |  |
| [**111-1/6**](http://www.itu.int/pub/R-QUE-SG06.111)  | Technical methods for the protection of the privacy of end-users in interactive broadcasting systems (television, sound and data) | NOC | (S2) | 2019 |  |
| [**112-1/6**](http://www.itu.int/pub/R-QUE-SG06.112)  | Guidelines on functionalities of facilities based on the use of digital servers in broadcast programme recording, archiving and playout | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**113/6**](http://www.itu.int/pub/R-QUE-SG06.113)  | Delivery of interactive information to and from large screen digital imagery venues through broadcasting systems | UNA | (S2) | 2015 | CACE/746 proposes SUP |
| [**114/6**](http://www.itu.int/pub/R-QUE-SG06.114)  | Characteristics of television receivers and receiving antennas essential for frequency planning | NOC | (S2) | 2019 |  |
| **118-1/6** | Broadcasting means for public warning, disaster mitigation and relief | NOC | (S1) | 2017 |  |
| [**120/6**](http://www.itu.int/pub/R-QUE-SG06.120)  | Digital sound broadcasting in Region 2 | NOC | (S1) | 2017 |  |
| [**121/6**](http://www.itu.int/pub/R-QUE-SG06.121)  | Spectrum usage and user requirements for wireless microphones | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**122/6**](http://www.itu.int/pub/R-QUE-SG06.122)  | Objective perceptual audio quality measurement methods | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**123/6**](http://www.itu.int/pub/R-QUE-SG06.123)  | Approaches in programme production intended to improve the perceived image quality of broadcast digital SDTV and HDTV programmes | UNA | (S1) | 2014 | CACE/746 proposes SUP |
| [**124/6**](http://www.itu.int/pub/R-QUE-SG06.124)  | Measurement methods for the verification and validation of digital television and sound broadcasting planning procedures | NOC | (S1) | 2017 |  |
| [**126-1/6**](http://www.itu.int/pub/R-QUE-SG06.126) | Recommended operating practices to tailor television programme material to broadcasting applications at various image quality levels display sizes and aspect ratios | NOC | (S2) | 2019 |   |
| [**127/6**](http://www.itu.int/pub/R-QUE-SG06.127) | Mitigation techniques required for the use of digital modulation in the “26 MHz” broadcasting band for local coverage | NOC | (S2) | 2019 |  |
| [**128-2/6**](http://www.itu.int/pub/R-QUE-SG06.128) | Digital 3DTV systems for broadcasting | NOC | (S3) | 2019 |  |
| [**129/6**](http://www.itu.int/pub/R-QUE-SG06.129) | Impact of audio signal processing and compression techniques on terrestrial FM sound broadcasting emissions at VHF | NOC | (S2) | 2019 |  |
| [**130-2/6**](http://www.itu.int/pub/R-QUE-SG06.130) | Digital interfaces for production, post-production and international exchange of sound and television programmes for broadcasting | NOC | (S2) | 2019 |  |
| [**131/6**](http://www.itu.int/pub/R-QUE-SG06.131) | Common core data format for multimedia broadcasting | NOC | (S2) | 2019 |  |
| [**132-3/6**](http://www.itu.int/pub/R-QUE-SG06.132) | Digital terrestrial television broadcasting technology and planning | NOC | (S3) | 2018 |  |
| [**133-1/6**](http://www.itu.int/pub/R-QUE-SG06.133) | Enhancements of digital terrestrial television broadcasting | NOC | (S3) | 2019 |  |
| [**134/6**](http://www.itu.int/pub/R-QUE-SG06.134) | Recording of digital sound programme signals for international exchange | NOC | (S2) | 2019 |  |
| [**135-1/6**](http://www.itu.int/pub/R-QUE-SG06.135) | System parameters for and management of digital sound systems with and without accompanying picture | NOC | (S2) | 2016 |  |
| [**136-2/6**](http://www.itu.int/pub/R-QUE-SG06.136) | Worldwide broadcasting roaming | NOC | (S2) | 2019 |  |
| [**137/6**](http://www.itu.int/pub/R-QUE-SG06.137) | Internet Protocol (IP) interfaces for the transport of broadcast programmes | NOC | (S3) | 2019 |  |
| [**138/6**](http://www.itu.int/pub/R-QUE-SG06.138) | Methods for signalling loudness compliance | NOC | (S2) | 2019 |  |
| [**139/6**](http://www.itu.int/pub/R-QUE-SG06.139) | Methods for rendering of advanced audio formats | NOC | (S1) | 2016 |  |
| [**140/6**](http://www.itu.int/pub/R-QUE-SG06.140) | Global platform for the broadcasting service | NOC | (S1) | 2016 |  |
| **Doc.** [**6/416(Rev.1)**](http://www.itu.int/md/R12-SG06-C-0416/en) | Draft new Question ITU-R [TELEVISION AND SOUND BROADCAST OVER IP]/6 – Internet delivery of sound and television broadcast originated soundtracks | UNA | (S2) | 2019 | CACE/746 proposes ADD |
| **Doc.** [**6/419(Rev.1)**](http://www.itu.int/md/R12-SG06-C-0419/en) | Draft new Question ITU-R [HDR-TV]/6 – High dynamic range television systems for broadcasting | UNA | (S1) | 2017 | CACE/746 proposes ADD |

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