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| **Radiocommunication Bureau (BR)** | | |
| Administrative Circular  **CACE/1091** | | 4 December 2023 |
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| **To Administrations of Member States of the ITU, Radiocommunication Sector Members, ITU-R Associates participating in the work of Radiocommunication Study Group 6 and  ITU Academia** | | |
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| Subject: | **Radiocommunication Study Group 6 (Broadcasting Service)**  **– Adoption of 1 new and 8 revised ITU-R Recommendations and their simultaneous approval by correspondence in accordance with § A2.6.2.4 of Resolution ITU-R 1-9 (Procedure for the simultaneous adoption and approval by correspondence)**  **– Suppression of 39 ITU-R Recommendations** | |
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By Administrative Circular [CACE/1076](https://www.itu.int/md/R00-CACE-CIR-1076/en) dated 22 September 2023, 1 draft new and 8 draft revised ITU‑R Recommendations were submitted for simultaneous adoption and approval by correspondence (PSAA), following the procedure of Resolution ITU‑R 1‑9 (§ A2.6.2.4). In addition, the Study Group proposed the suppression of 39 ITU‑R Recommendations.

The conditions governing this procedure were met on 22 November 2023.

The approved Recommendations will be published by the ITU and Annex 1 to this Circular provides their titles, with the assigned numbers. Annex 2 provides the list of suppressed Recommendations.

Mario Maniewicz  
Director

**Annexes:** 2

Annex 1  
  
Titles of the approved ITU-R Recommendations

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| Recommendation ITU-R | Title | Doc. No. |
| BT.2163 | Objective measurement algorithm for evaluation of the brightness of high dynamic range television | 6/372(Rev.1) |
| BS.1909-1 | Performance requirements for an advanced sound system for use with or without accompanying picture | 6/362 |
| BS.1770-5 | Algorithms to measure audio programme loudness and true-peak audio level | 6/363 |
| BS.1864-1 | Operational practices for loudness in the international exchange of digital television programmes | 6/364 |
| BT.1702-3 | Guidance for the reduction of photosensitive epileptic seizures caused by television | 6/365(Rev.1) |
| BS.2127-1 | Audio Definition Model renderer for advanced sound systems | 6/371 |
| BS.1615-3 | Planning parameters for digital sound broadcasting at frequencies below 30 MHz | 6/375 |
| BT.1775-1 | File format with editing capability, for the exchange of metadata, audio, video, data essence and ancillary data for use in broadcasting | 6/390 |
| BT.2074-2 | Service configuration, media transport protocol, and signalling information for MMT-based broadcasting systems | 6/393(Rev.1) |

Annex 2  
  
List of suppressed ITU-R Recommendations

| Recommendation  ITU-R | Title |
| --- | --- |
| [BS.1596-0](https://www.itu.int/rec/R-REC-BS.1596/en) | Guide to ITU-R Recommendations for broadcast sound production |
| [BS.1734-0](https://www.itu.int/rec/R-REC-BS.1734/en) | Basic performance requirements for the sound components of large-screen digital imagery applications for presentation in a theatrical environment |
| [BS.2019-0](https://www.itu.int/rec/R-REC-BS.2019/en) | Audio system for the production and international exchange of 3DTV programmes for broadcasting |
| [BT.1119-2](https://www.itu.int/rec/R-REC-BT.1119/en/) | Wide-screen signalling for broadcasting (Signalling for wide-screen and other enhanced television parameters) |
| [BT.1198-0](https://www.itu.int/rec/R-REC-BT.1198/en) | Stereoscopic television based on R-and L-eye two channel signals |
| [BT.1439-1](https://www.itu.int/rec/R-REC-BT.1439/en) | Measurement methods applicable in the analogue television studio and the overall analogue television system |
| [BT.1562-0](https://www.itu.int/rec/R-REC-BT.1562/en) | Consistency in the alignment of displays in production rooms and control rooms |
| [BT.1664-0](https://www.itu.int/rec/R-REC-BT.1664/en) | Representation of various image aspect ratios into the image of large screen digital imagery applications that use a 16:9 raster |
| [BT.1665-0](https://www.itu.int/rec/R-REC-BT.1665/en) | Considerations for colour encoding and spatial resolution for large screen digital imagery display |
| [BT.1680-1](https://www.itu.int/rec/R-REC-BT.1680/en) | Baseband imaging format for distribution of large screen digital imagery applications intended for presentation in a theatrical environment |
| [BT.1689-0](https://www.itu.int/rec/R-REC-BT.1689/en) | Guidelines on the presentation in large-screen digital imagery environments of programmes that are provided in image formats conforming to Recommendation ITU-R BT.601 |
| [BT.1690-0](https://www.itu.int/rec/R-REC-BT.1690/en) | Assumed characteristics of venues intended for large-screen digital imagery programme presentation in a theatrical environment |
| [BT.1692-1](https://www.itu.int/rec/R-REC-BT.1692/en) | Optimization of the quality of colour reproduction in digital television |
| [BT.1721-0](https://www.itu.int/rec/R-REC-BT.1721/en) | Objective measurement of perceptual image quality of large screen digital imagery applications for theatrical presentation |
| [BT.1728-1](https://www.itu.int/rec/R-REC-BT.1728/en) | Guidance on the use of flat panel displays in television production and postproduction |
| [BT.1789-0](https://www.itu.int/rec/R-REC-BT.1789/en) | A method to reconstruct received video using transmission error information for packet video transmission |
| [BT.2024-0](https://www.itu.int/rec/R-REC-BT.2024/en) | HDTV digital image systems for the production and international exchange of 3DTV programmes for broadcasting |
| [BT.2025-0](https://www.itu.int/rec/R-REC-BT.2025/en) | 1280 × 720 digital image systems for the production and international exchange of 3DTV programmes for broadcasting |
| [BT.2050-0](https://www.itu.int/rec/R-REC-BT.2050/en) | Use of UHDTV image systems for capturing, editing, finishing and archiving high-quality HDTV programmes |
| [BS.1661-0](https://www.itu.int/rec/R-REC-BS.1661-0-200312-I/en) | 'Signal-on-the-air' specifications of the digital system described in annex 1 to recommendation ITU-R BS.1514 for digital sound broadcasting in the broadcasting bands below 30 MHz |
| [BT.1125-0](https://www.itu.int/rec/R-REC-BT.1125/en) | Basic objectives for the planning and implementation of digital terrestrial television broadcasting systems |
| [BT.1299-1](https://www.itu.int/rec/R-REC-BT.1299/en) | The basic elements of a worldwide common family of systems for digital terrestrial television broadcasting |
| [BT.1727-0](https://www.itu.int/rec/R-REC-BT.1727-0-200504-I/en) | Terrestrial and satellite delivery of programme material to large screen digital imagery venues |
| [BT.1199-1](https://www.itu.int/rec/R-REC-BT.1199/en) | Bit-rate reduction in the HDTV studio environment |
| [BT.1577-0](https://www.itu.int/rec/R-REC-BT.1577/en) | Serial digital interface-based transport interface for compressed television signals in networked television production based on Recommendation ITU-R BT.1120 |
| [BT.1687-1](https://www.itu.int/rec/R-REC-BT.1687/en) | Video bit-rate reduction for real-time distribution of large-screen digital imagery applications for presentation in a theatrical environment |
| [BT.1737-0](https://www.itu.int/rec/R-REC-BT.1737/en) | Use of the ITU-T Recommendation H.264 (MPEG 4/AVC) video source-coding method to transport high definition TV programme material |
| [BT.2000-0](https://www.itu.int/rec/R-REC-BT.2000/en) | Use of large screen digital imagery Recommendations in video information systems applications |
| [BT.2026-0](https://www.itu.int/rec/R-REC-BT.2026) | Guidelines on the implementation of systems for in-service objective measurement and monitoring of "perceptual transparency" for the distribution chain of SDTV and HDTV programmes |
| [BT.2027-0](https://www.itu.int/rec/R-REC-BT.2027/en) | Serial Digital Interface for production and international exchange  of HDTV 3DTV programmes |
| [BT.2038-0](https://www.itu.int/rec/R-REC-BT.2038/en) | Transport of HDTV 3DTV programmes for international programme exchange in broadcasting |
| [BT.1435](http://www.itu.int/rec/R-REC-BT.1435/en)-0 | Digital sound and television broadcasting interaction channel through the PSTN/ISDN |
| [BT.1507](http://www.itu.int/rec/R-REC-BT.1507/en)-0 | Interaction channel using digital enhanced cordless telecommunications (DECT) system |
| [BT.1508](http://www.itu.int/rec/R-REC-BT.1508/en)-0 | Interaction channel using global system for mobile communications (GSM) |
| [BT.1549](http://www.itu.int/rec/R-REC-BT.1549/en)-0 | Data link protocol for interaction channel |
| [BT.1564](http://www.itu.int/rec/R-REC-BT.1564/en)-0 | Interaction channel using local multipoint distribution systems |
| [BT.1667](http://www.itu.int/rec/R-REC-BT.1667/en)-0 | Terrestrial return channel for interactive broadcasting services operating in the VHF/UHF broadcast band based on Recommendation ITU-R BT.1306 |
| [BT.1832](http://www.itu.int/rec/R-REC-BT.1832/en)-0 | Digital Video Broadcast-Return Channel Terrestrial (DVB-RCT) deployment scenarios and planning considerations |
| [BS.1688-0](https://www.itu.int/rec/R-REC-BS.1688/en) | Baseband sound system and audio source-coding at delivery interfaces of large-screen digital imagery applications |

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