



Radiocommunication Bureau (BR)

Administrative Circular
CACE/826

28 July 2017

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,
ITU-R Associates participating in the work of the Radiocommunication Study Group 5
and ITU Academia**

Subject: **Meeting of Radiocommunication Study Group 5 (Terrestrial services),
Geneva, 20 November 2017**

1 Introduction

By means of this Administrative Circular, I wish to announce that a meeting of ITU-R Study Group 5 will take place in Geneva on 20 November 2017.

The Study Group meeting will be held in the ITU Headquarters, Geneva. The opening session will take place at 0930 hours.

Group	Meeting date	Deadline for contributions	Opening session
Study Group 5	20 November 2017	Monday, 13 November 2017 at 1600 hours UTC	Monday, 20 November 2017 at 0930 hours (local time)

2 Programme of the meeting

The draft agenda for the meeting of Study Group 5 is contained in Annex 1. The status of texts assigned to Study Group 5 can be found on:

<http://www.itu.int/md/R15-SG05-C-0001/en>

2.1 Adoption of draft Recommendations at the Study Group meeting (§ A2.6.2.2.2 of Resolution ITU-R 1-7)

Three draft revisions and one draft new Recommendation are proposed for adoption by the Study Group at its meeting in accordance with § A2.6.2.2.2 of Resolution ITU-R 1-7.

In accordance with § A2.6.2.2.2.1 of Resolution ITU-R 1-7, the titles and summaries of the draft Recommendations are given in Annex 2.

2.2 Adoption of draft Recommendations by a Study Group by correspondence (§ A2.6.2.2.3 of Resolution ITU-R 1-7)

The procedure described in § A2.6.2.2.3 of Resolution ITU-R 1-7 concerns draft new or revised Recommendations that are not specifically included in the agenda of a Study Group meeting.

In accordance with this procedure, draft new and revised Recommendations prepared during the meetings of Working Parties 5A, 5B, 5C, 5D and Task Group 5/1 held prior to the Study Group meeting will be submitted to the Study Group. After due consideration, the Study Group may decide to seek adoption of these draft Recommendations by correspondence. In such cases, the Study Group shall use the procedure for simultaneous adoption and approval (PSAA) by correspondence of draft Recommendations as described in § A2.6.2.4 of Resolution ITU-R 1-7 (see also § 2.3 below), if there is no objection to this approach by any Member State attending the meeting and if the Recommendation is not incorporated by reference in the Radio Regulations.

In accordance with § A1.3.1.13 of Resolution ITU-R 1-7, Annex 3 to this Circular contains a list of topics to be addressed at the meetings of the Working Parties and Task Group held prior to the Study Group meeting and for which draft Recommendations may be developed.

2.3 Decision on approval procedure

At the meeting, the Study Group shall decide on the eventual procedure to be followed for seeking approval for each draft Recommendation in accordance with § A2.6.2.3 of Resolution ITU-R 1-7, unless the Study Group has decided to use the PSAA procedure as described in § A2.6.2.4 of Resolution ITU-R 1-7 (see § 2.2 above).

3 Contributions

Contributions in response to the work of Study Group 5 are processed according to the provisions laid down in Resolution ITU-R 1-7.

The deadline for reception of contributions not requiring translation* (including Revisions, Addenda and Corrigenda to contributions) is 7 calendar days (1600 hours UTC) prior to the start of the meeting. **The deadline for reception of contributions for this meeting is specified in the table above.** Contributions received later than this deadline cannot be accepted. Resolution ITU-R 1-7 provides that contributions which are not available to participants at the opening of the meeting cannot be considered.

Participants are requested to submit contributions by electronic mail to:

rsg5@itu.int

A copy should also be sent to the Chairman and Vice-Chairmen of Study Group 5. The pertinent addresses can be found on:

<http://www.itu.int/go/rsg5/ch>

* Where translation is required, contributions should be received at least three months prior to the meeting.

4 Documents

Contributions will be posted “as received” within one working day on the webpage established for this purpose:

<http://www.itu.int/md/R15-SG05.AR-C/en>

The official versions will be posted on <http://www.itu.int/md/R15-SG05-C/en> within 3 working days.

In accordance with Resolution 167 (Rev. Busan, 2014), **the Study Group meeting will be completely paperless**. Wireless LAN facilities will be available for use by delegates in the meeting rooms. Printers are available in the cyber café of the 2nd basement of the Tower building and on the ground floor and first floor of the Montbrillant building for delegates who wish to print documents. In addition, the Service Desk (servicedesk@itu.int) has prepared a limited number of laptops for those who do not have one.

5 Remote participation

In order to follow the proceedings of ITU-R meetings remotely an audio webcast of the Study Group Plenary meetings in all languages will be provided through the ITU Internet Broadcasting Service (IBS). Participants do not need to register for the meeting to use the webcast facility, however, an ITU [TIES account](#) is required to access the webcast.

6 Participation/Visa requirements/Accommodation

Advance registration for ITU-R events is mandatory and carried out exclusively online through Designated Focal Points (DFPs). Each ITU-R Member has been requested to designate a DFP responsible for the handling of all registration formalities, including visa support requests that should also be submitted by the DFP during the on-line registration process. Individuals wishing to be registered for an ITU-R event should contact directly the DFP for their entity. The list of ITU-R DFPs (TIES protected) as well as detailed information on event registration, visa support requirements, hotel accommodation, etc., can be found at:

www.itu.int/en/ITU-R/information/events


François Rancy
Director

Annexes: 3

Distribution:

- Administrations of Member States of the ITU and Radiocommunication Sector Members participating in the work of Radiocommunication Study Group 5
- ITU-R Associates participating in the work of Radiocommunication Study Group 5
- ITU Academia
- Chairmen and Vice-Chairmen of Radiocommunication Study Groups
- Chairman and Vice-Chairmen of the Conference Preparatory Meeting
- Members of the Radio Regulations Board
- Secretary-General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

Annex 1

Draft agenda for the meeting of Radiocommunication Study Group 5

(Geneva, 20 November 2017)

- 1** Opening of the meeting
- 2** Approval of the agenda
- 3** Appointment of the Rapporteur
- 4** Summary Record of the previous meeting (Document [5/39](#))
- 5** Consideration of the outputs of the Working Parties
 - 5.1** Working Party 5A
 - 5.2** Working Party 5B
 - 5.3** Working Party 5C
 - 5.4** Working Party 5D
 - 5.5** Task Group 5/1
- 6** Consideration of other inputs (if any)
- 7** Liaison with other Study Groups, the CCV and international organizations
- 8** Schedule of meetings
- 9** Any other business

M. FENTON
Chairman, Radiocommunication Study Group 5

Annex 2

Titles and summaries of the draft Recommendations proposed for adoption at the Study Group 5 meeting

Draft revision of Recommendation ITU-R M.1461-1

Doc. 5/45

Procedures for determining the potential for interference between radars operating in the radiodetermination service and systems in other services

This revision is to provide an update of the number of order that could be considered for intermodulation phenomenon, some clarifications in the types of antenna scan and a floor to the radar receiver IF selectivity if not provided.

Draft revision of Recommendation ITU-R F.1777-1

Doc. 5/46

System characteristics of television outside broadcast, electronic news gathering and electronic field production in the fixed service for use in sharing studies

The revision has been made only to Annex 2. The details are as follows:

- The title of Table 1 has been modified for clarification.
- “Maximum TX antenna gain” has been added to Table 1.
- Systems using 1.240-1.300 GHz, 2.330-2.370 GHz and 41.000-42.000 GHz have been added to Table 1.
- New system parameters have been added to the systems using 5.850-8.500 GHz and 10.250-13.250 GHz in Table 1.
- Parameters of “adjacent channel selectivity” and “adjacent channel guard band” for the systems using 0.770-0.806 GHz, 5.850-8.500 GHz and 10.250-13.250 GHz in Table 1 have been filled.
- The footnotes of Table 1 have been modified accordingly.

Draft revision of Recommendation ITU-R M.1851-0

Doc. 5/48

Mathematical models for radiodetermination radar systems antenna patterns for use in interference analyses

This revision provides changes to clarify some equations, figures and units and includes additional equation and figure in \cos^4 shape of field distribution', and for phased array antennas.

Technical characteristics and protection criteria for the aeronautical mobile service systems operating within the 4 400-4 990 MHz frequency range

This Recommendation provides information on the technical characteristics and protection criteria for systems operating in the aeronautical mobile service (AMS) planned to or currently operating within the frequency range 4 400-4 990 MHz for use in sharing and compatibility studies as needed and does not contain any aeronautical mobile telemetry system.

Annex 3

Topics to be addressed at the meetings of Working Parties 5A, 5B, 5C, 5D and Task Group 5/1 held prior to the meeting of Study Group 5 and for which draft Recommendations may be developed

Working Party 5A

Harmonization of frequencies and related frequency arrangements, for railway radiocommunication systems between train and trackside (PDNR ITU-R M.[RSTT] – see Annex 18 to Document [5A/469](#))

Multiple Gigabit Wireless Systems in frequencies around 60 GHz (PDRR ITU-R M.2003-1 – see Annex 19 to Document [5A/469](#))

Receiver characteristics and protection criteria for systems (excluding IMT) in the mobile service in the frequency range 27.5-29.5 GHz for use in sharing and compatibility studies with earth stations in motion operating in geostationary FSS networks and with applications under the fixed service (PDNR ITU-R M.[MS-RXCHAR-28] – see Annex 21 to Document [5A/469](#))

Frequency arrangements for public protection and disaster relief radiocommunication systems in accordance with Resolution **646 (Rev.WRC-12)** (PDRR ITU-R M.2015-1 – see Annex 22 to Document [5A/469](#))

Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communications for Intelligent Transport System applications (PDRR ITU-R M.2084-0 – see Annex 33 to Document [5A/469](#))

Harmonization of frequency arrangements for Intelligent Transport Systems in the mobile service (PDNR ITU-R M.[ITS_FRQ] – see Annex 34 to Document [5A/469](#))

Operational radiocommunication objectives and requirements for advanced intelligent transport systems (PDRR ITU-R M.1890-0 – see Annex 35 to Document [5A/469](#))

Working Party 5B

Characteristics of and protection criteria for radars operating in the radiodetermination service in the frequency range 3 100-3 700 MHz (PDRR ITU-R M.1465-2 – see Annex 8 to Document [5B/305](#))

Characteristics of, and protection criteria for sharing studies for radars operating in the radiodetermination service in the frequency band 33.4-36 GHz (PDRR ITU-R M.1640-1 – see Annex 9 to Document [5B/305](#))

Technical and operational aspects of ground-based meteorological radars (PDRR ITU-R M.1849-1 – see Annex 10 to Document [5B/305](#))

Systems characteristics of automotive radars operating in the frequency band 76-81 GHz for intelligent transport systems applications (PDRR ITU-R M.2057-0 – see Annex 11 to Document [5B/305](#))

Characteristics of and protection criteria for radars operating in the radiolocation service in the frequency range 420-450 MHz (PDRR ITU-R M.1462-0 – see Annex 12 to Document [5B/305](#))

Characteristics of a digital system, named Navigational Data for broadcasting maritime safety and security related information from shore-to-ship in the 500 kHz band (PDRR ITU-R M.2010-0 – see Annex 13 to Document [5B/305](#))

Technical characteristics and protection criteria for aeronautical mobile service systems in the frequency bands 22.5-23.6 GHz and 25.25-27.5 GHz (PDNR ITU-R M.[AMS-CHAR-24] – see Annex 14 to Document [5B/305](#))

Technical characteristics and protection criteria for aeronautical mobile systems operating in the 45.5-47 GHz frequency range (PDNR – see Annex 15 to Document [5B/305](#))

Technical and operational characteristics for aeronautical mobile service systems limited to aircraft transmissions of aeronautical mobile telemetry (AMT) for flight testing in the band 5 150-5 250 MHz (PDNR ITU-R M.[AMT.CHAR-5GHZ] – see Annex 16 to Document [5B/305](#))

Characteristics of Unmanned Aircraft System Control and Non-Payload Earth Stations for use with Space Stations operating in the Fixed Satellite Service (PDNR ITU-R M.[UAS CNPC_CHAR] – see Annex 17 to Document [5B/305](#))

Working Party 5C

Error performance and availability objectives and requirements for real point-to-point packet-based radio links (PDNR ITU-R F.[PERFORM] – see Annex 5 to Document [5C/292](#))

Reference radiation patterns for fixed wireless system antennas for use in coordination studies and interference assessment in the frequency range from 100 MHz to about 70-86 GHz (PDRR ITU-R F.699-7 – see Annex 8 to Document [5C/292](#))

Fixed wireless systems for disaster mitigation and relief operation (PDRR ITU-R F.1105-3 – see Annex 9 to Document [5C/292](#))

Guidance on technical parameters and methodologies for sharing and compatibility studies related to HF fixed and land mobile services (PDNR ITU-R F.[HF-SHARE] – see Annex 11 to Document [5C/292](#))

System parameters and considerations in the development of criteria for sharing or compatibility between digital fixed wireless systems in the fixed service and systems in other services and other sources of interference (PDRR ITU-R F.758-6 – see Annex 13 to Document [5C/292](#))

Deployment and technical characteristics of broadband high altitude platform stations in the bands 6 440-6 520 MHz, 6 560-6 640 MHz, 21.4-22.0 GHz, 24.25-27.5 GHz, 27.9-28.2 GHz, 31.0-31.3 GHz, 38.0-39.5 GHz, 47.2-47.5 GHz and 47.9-48.2 GHz to be used in sharing and compatibility studies (PDNR ITU-R F.[BROADBAND HAPS CHARACTERISTICS] – see Annex 14 to Document [5C/292](#))

Working Party 5D

Draft revision of Recommendation ITU-R M.2012-2 *“Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)”*

Task Group 5/1

None
