Radiocommunication Bureau (BR)

Administrative Circular
CACE/869

17 August 2018

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, 19 November 2018**

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 19 November 2018, following the meetings of Working Parties 5A, 5B and 5C (see Circular Letter 5/LCCE/78).

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	19 November 2018	Monday, 12 November 2018 at 1600 hours UTC	Monday, 19 November 2018 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)

Two draft revisions and two draft new Recommendations 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.

International Telecommunication Union • Place des Nations • CH-1211 Geneva 20 • Switzerland
Tel: +41 22 730 5111 • Fax: +41 22 733 7256 • E-mail: itumail@itu.int • www.itu.int •

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

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* 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, 19 November 2018)

1 Opening of the meeting

2 Approval of the agenda

3 Appointment of the Rapporteur

4 Summary Record of the previous meeting (Document 5/90)

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 F.1105-3 Doc. 5/93

Fixed wireless systems for disaster mitigation and relief operations

Descriptions regarding Type C systems with adaptive modulation and transmit power control, which also has ability to select appropriate frequency channel using specific mechanisms are added to Annex 1 and one example is also added to Annex 1.

Draft new Recommendation ITU-R F.[HF-SHARE] Doc. 5/94

Guidance on technical parameters and methodologies for sharing and compatibility studies related to fixed and land mobile services in the frequency range 1.5-30 MHz

This Recommendation gives guidance to perform sharing studies related to systems in the fixed and land mobile services in the frequency range 1.5-30 MHz. It establishes a list of parameters, that characterize a system to assist in sharing studies, provides information on the methodologies that can be used for sharing analyses involving fixed and land mobile services in this frequency range. It also contains a list of relevant ITU-R Recommendations, Reports and Handbooks.

Draft new Recommendation/Report ITU-R M.[IMT.1518 MHz COEXISTANCE] Doc. 5/XX

The coexistence conditions between IMT and aeronautical mobile service in the band 4 800-4 990 MHz

The frequency band 4 800–4 990 MHz is allocated on a primary basis in all three ITU regions to the mobile service (MS), not excluding the aeronautical mobile service (AMS). There are systems and networks for AMS application in this frequency band. At WRC-15, the 4 800-4 990 MHz band was identified for IMT in the RR in one country in Region 2, in accordance with RR No. **5.441A**, and three countries in Region 3, in accordance with RR No. **5.441B**.

Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-2000 (IMT-2000)

This modification of Recommendation ITU-R M.1457 is intended to keep the specified technologies of the terrestrial component of IMT-2000 up to date. The main changes include the addition of enhanced capabilities for CDMA DS, CDMA TDD and TDMA FDMA Radio Interface Technologies (RITs), and some consequential changes to the overview sections of the text, as well as to the Global Core Specifications. Also the transposition references have been updated in sections 5.1, 5.3 and 5.5. CDMA MC, TDMA SC and OFDMA TDD WMAN RITs have no update so that sections 5.2, 5.4 and 5.6 remain the same as Revision 13.

From this update, a new SDO (TSDSI) is added to Transposing Organizations for sections 5.1.2 and 5.3.2. (CDMA DS and CDMA TDD).

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 (Working document towards PDNR ITU-R M.[RSTT_FRQ] – See Annex 15 to Document 5A/844)

Global cross-border circulation of radiocommunication equipment for use in emergency and disaster relief situations (PDRR ITU-R M.1637-0 – See Annex 19 to Document 5A/844)

Harmonized frequency channel plans for the protection of property using data communication (PDRR ITU-R M.1746-0 – See Annex 20 to Document 5A/844)

Radio interface standards for use by public protection and disaster relief operations in accordance with Resolution 646 (Rev.WRC-15) (PDRR ITU-R M.2009-1 – See Annex 21 to Document 5A/844)

Harmonized frequency channel plan for broadband public protection and disaster relief operations at 4 940-4 990 MHz in Regions 2 and 3 (Working document towards PDRR ITU-R M.1826-0 – See Annex 22 to Document 5A/844)

Technical and operational characteristics of conventional and trunked land mobile systems operating in the mobile service allocations below 869 MHz to be used in sharing studies (Working document towards PDRR ITU-R M.1808-0 – See Annex 23 to Document 5A/844)

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 28 to Document 5A/844)

Harmonization of frequency bands for Intelligent Transport Systems in the mobile service (PDNR ITU-R M.[ITS_FRQ] – See Annex 30 to Document 5A/844)

Operational radiocommunication objectives and requirements for advanced intelligent transport systems (PDRR ITU-R M.1890-0 – See Annex 31 to Document 5A/844)

Preliminary draft new Recommendation ITU-R M.[MS-RXCHAR-28] – 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 15 to Document 5A/650)

Working Party 5B

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 10 to Document 5B/538)

Digital selective-calling system for use in the maritime mobile service (PDRR ITU-R M.493-14 – See Annex 12 to Document 5B/538)

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 13 to Document 5B/538)

Technical and operational aspects of ground-based meteorological radars (PDRR ITU-R M.1849-1 – See Annex 14 to Document 5B/538)

Assignment and use of identities in the maritime mobile service (Working document towards PDRR ITU-R M.585-7 – See Annex 15 to Document 5B/538)

Technical characteristics for an automatic identification system using time division multiple access in the VHF maritime mobile frequency band (Working document towards PDRR ITU-R M.1371-5 – See Annex 16 to Document 5B/538)

Characteristics of and protection criteria for sharing studies for radiolocation (except ground based meteorological radars) and aeronautical radionavigation radars operating in the frequency bands between 5 250 and 5 850 MHz (Working document towards PDRR ITU-R M.1638-1 – see Annex 17 to Document 5B/538)

Definition, technical and operational characteristics of autonomous maritime radio devices (Working document towards PDNR ITU-R M.[AMRD] – See Annex 18 to Document 5B/538)

Characteristics of unmanned aircraft system control and non-payload Earth stations for use with space stations operating in the Fixed Satellite Service (Working document towards PDNRep./Rec. ITU R M.[UAS CNPC_CHAR] – See Annex 19 to Document 5B/538)

Technical characteristics and protection criteria for aeronautical mobile systems operating in the mobile service in the frequency range 21.2-22 GHz (Working document towards PDNR ITU-R M.[AMS_21.2-22 GHz] – See Annex 22 to Document 5B/538)

Working Party 5C

Reference radiation patterns of omnidirectional, sectoral and other antennas for the fixed and mobile services for use in sharing studies in the frequency range from 400 MHz to about 70 GHz (PDRR ITU-R F.1336-4 – See Annex 2 to Document 5C/531)

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 (Working document towards PDRR ITU-R F. 758-6 – See Annex 8 to Document 5C/531)

Mathematical model of average and related radiation patterns for point-to-point fixed wireless system antennas for use in certain coordination studies and interference assessment in the frequency range from 1 GHz to 86 GHz (PDRR ITU-R F.1245-2 – See Annex 9 to Document 5C/531)

Radio-frequency channel arrangements for fixed wireless systems operating in the 14.4-15.35 GHz band (PDRR ITU-R F.636-4 – See Annex 13 to Document 5C/531)

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 (PDNRec./Rep. ITU-R F.[BROADBAND HAPS CHARACTERISTICS] – See Annex 14 to Document 5C/531)

Performance degradation due to interference from other services sharing the same frequency bands on a co-primary basis with real digital fixed wireless systems used in the international and national portions of a 27 500 km hypothetical reference path at or above the primary rate (PDRR ITU-R F.1565-0 – See Annex 22 to Document 5C/531)

Working Party 5D

Frequency arrangements for implementation of the terrestrial component of International Mobile Telecommunications (IMT) in the bands identified for IMT in the Radio Regulations (RR) (Working document towards PDRR ITU-R M.1036-5 - See Document 5D/1011 (Att. 4.2))

Task Group 5/1

None

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