



## Radiocommunication Bureau (BR)

Administrative Circular  
CACE/865

2 July 2018

**To Administrations of Member States of the ITU, Radiocommunication Sector Members, ITU-R Associates participating in the work of Radiocommunication Study Group 7 and ITU Academia**

**Subject: Meetings of Radiocommunication Study Group 7 (Science services), Geneva, 18 and 26 September 2018**

### 1 Introduction

By means of this Administrative Circular, I wish to announce that meetings of ITU-R Study Group 7 will take place in Geneva on 18 and 26 September 2018, immediately preceding and immediately following the meetings of Working Parties 7A, 7B, 7C and 7D (see Circular Letter [7/LCCE/74](#)).

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

Group	Meeting dates	Deadline for contributions	Opening session
Study Group 7	18 and 26 September 2018	Tuesday, 11 September 2018 at 1600 hours UTC	Tuesday, 18 September 2018 at 0930 hours

### 2 Programme of the meetings

The draft agenda for the meetings of Study Group 7 is contained in Annex 1. The status of texts assigned to Study Group 7 can be found on:

<http://www.itu.int/md/R15-SG07-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)

7 draft revisions of 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 § A2.6.2.2.1 of Resolution ITU-R 1-7, the titles and summaries of the draft revisions of 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 7A, 7B, 7C and 7D 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 the 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 held just 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 accordingly, 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 7 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 Corrigena 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:

[rsg7@itu.int](mailto:rsg7@itu.int)

A copy should also be sent to the Chairman and Vice-Chairmen of Study Group 7. The pertinent addresses can be found on:

<http://www.itu.int/go/rsg7/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-SG07.AR-C/en>

The official versions will be posted on <http://www.itu.int/md/R15-SG07-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 2<sup>nd</sup> basement of the Tower building and on the ground and first floors of the Montbrillant building for delegates who wish to print documents. In addition, the Service Desk ([servicedesk@itu.int](mailto: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](http://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 7
- ITU-R Associates participating in the work of Radiocommunication Study Group 7
- 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 meetings of Radiocommunication Study Group 7**

(Geneva, 18 and 26 September 2018)

- 1** Opening remarks
  - 1.1** Director, BR
  - 1.2** Chairman
- 2** Approval of the agenda
- 3** Appointment of Rapporteur
- 4** Summary Report of actions taken during the meeting of Study Group 7 on 4 and 12 April 2017 (Document [7/65](#))
- 5** Results [25<sup>th</sup> meeting of the RAG \(26-29 April 2018\)](#)
- 6** Preparation for RA-19, CPM19-2 and WRC-19
- 7** Executive Reports from Working Parties
  - 7.1** Working Party 7A
  - 7.2** Working Party 7B
  - 7.3** Working Party 7C
  - 7.4** Working Party 7D
- 8** Status of Questions, Recommendations, Reports and Handbooks
- 9** Adoption of draft new and revised Recommendations and Questions and decision on approval procedure
- 10** Suppression of Questions
- 11** Consideration and adoption of new and revised Reports
- 12** Suppression and modification of Opinions
- 13** Progress in the development of Handbooks
- 14** Liaisons with other ITU Sectors, Study Groups and international organizations
- 15** Consideration of future work programme and discussion on a tentative meeting schedule
- 16** Any other business

J. ZUZEK  
Chairman, Study Group 7

## Annex 2

### **Titles and summaries of the draft revisions of Recommendations proposed for adoption at the Study Group 7 meeting**

Draft revision of Recommendation ITU-R SA.1163-2

Doc. [7/77](#)

#### **Interference criteria for service links in data collection systems in the Earth exploration-satellite and meteorological-satellite services**

This Recommendation was last updated in 1999 and no longer captures the current EESS and MetSat systems characteristics. These changes necessitate a review of the parameters. In addition, it is proposed to simplify the methodology to derive the interference criteria. Finally, it is proposed to limit Recommendation ITU-R SA.1163 to the case of GSO satellites since NGSO satellites are covered in Recommendation ITU-R SA.2044.

Draft revision of Recommendation ITU-R SA.1164-2

Doc. [7/78](#)

#### **Sharing and coordination criteria for service links in data collection systems in the Earth exploration-satellite and meteorological-satellite services**

This revision is consequential to the revision of Recommendation ITU-R SA.1163.

Draft revision of Recommendation ITU-R RS.1165-2

[Doc. 7/79](#)

#### **Technical characteristics and performance criteria for systems in the meteorological aids service in the 403 MHz and 1 680 MHz bands**

The purpose of this revision to preliminary draft revised Recommendation ITU-R RS.1165, "Technical characteristics and performance criteria for systems in the meteorological aids service in the 403 MHz and 1 680 MHz bands." is to provide additional updated material related to the radiosonde systems within the 400.15 to 406 MHz frequency band.

Draft revision of Recommendation ITU-R RS.1263-1

[Doc. 7/80](#)

#### **Interference criteria for meteorological aids operated in the 400.15-406 MHz and 1 668.4-1 700 MHz bands**

The purpose of this document is to provide additional revisions to the Preliminary Draft Revised Recommendation ITU-R RS.1263, "Interference Criteria for Meteorological aids operated in the 400.15-406 MHz and 1 668.4-1 700 MHz bands."

Draft revision of Recommendation ITU-R RS.2042-0

Doc. [7/81](#)

### **Typical technical and operating characteristics for spaceborne radar sounder systems using the 40-50 MHz band**

The Recommendation has been significantly revised in the following sections: Mission Objectives, Design Parameters, Antenna Gain Pattern, and Operational Geographic Limitations. These revisions reflect the current understanding of those areas which have developed since the initial adoption of this Recommendation.

Draft revision of Recommendation ITU-R RS.1883-0

Doc. [7/82](#)

### **Use of remote sensing systems in the study of climate change and the effects thereof**

The present revision of Recommendation ITU-R SA.1883-0 (02/2011) contains the following changes:

- The Recommendation itself was clarified, as were other parts of the text.
- A section on Regional climate change and human intervention was added.
- New information about remote sensing systems were included in several parts of the text.
- Where appropriate, figures showing historical data were replaced with figures including more up-to-date information.
- Table A2-2 was updated to reflect current mission status.

Draft revision of Recommendation ITU-R RS.1859-0

Doc. [7/83](#)

### **Use of remote sensing systems for data collections to be used in the event of natural disasters and similar emergencies**

The *recognizings* and the *recommends* were clarified, as were other sections of the text. Where appropriate, figures showing historical data were replaced with figures including more up-to-date information. Keywords were added and the Scope of the Recommendation was revised. Several examples from satellites that had reached their end-of-life were replaced with examples from recent satellites.

## **Annex 3**

### **Topics to be addressed at meetings of Working Parties 7A, 7B, 7C and 7D held prior to the meeting of Study Group 7 and for which draft Recommendations may be developed**

#### **Working Party 7A**

Relativistic Time Transfer (PDNR ITU-R TF.[RELATIVISTIC]) – See Annex 1 to Document [7A/57](#).

#### **Working Party 7B**

Maximum allowable degradation to radiocommunication links of the space research and space operation services arising from interference from emissions and radiations from other radio sources (PDRR ITU-R SA.1743) - See Annex 6 to Document [7B/326](#).

Methodologies for calculating coordination zones around EESS and SRS earth stations to avoid interference by IMT-2020 mobile systems in the frequency bands 25.5-27 GHz, 31.8-32.3 GHz and 37-38 GHz (PDNR ITU-R SA.[IMT-EESS/SRS COORDINATION]) – See Annex 7 to Document [7B/326](#).

Sharing considerations relating to space research service (deep space) (PDRR ITU-R SA.1016-0) - See Annex 8 to Document [7B/326](#).

Provisions to protect the space research (SR), space operations (SO) and Earth exploration-satellite services (EES) and to facilitate sharing with the mobile service in the 2 025-2 110 MHz and 2 200-2 290 MHz bands (PDRR ITU-R SA.1154-0) – See Annex 9 to Document [7B/326](#).

Preferred frequencies and bandwidths for manned and unmanned near-Earth research satellites (PDRR ITU-R SA.364-5) - See Annex 10 to Document [7B/326](#).

Guidelines on the use of the 2 025-2 110 MHz and 2 200-2 290 MHz frequency bands by SRS/EESS/SOS satellites (PDNR ITU-R SA.[S-BAND USE OPTIMIZATION]) – See Annex 11 to Document [7B/326](#).

#### **Working Party 7C**

Typical technical and operational characteristics of earth exploration-satellite service (active) systems using allocations between 432 MHz and 238 GHz (PDRR ITU-R RS.2105-0) – See Annex 3 to Document [7C/288](#).

Performance and interference criteria for active spaceborne sensors (PDRR ITU-R RS.1166-4) – See Annex 4 to Document [7C/288](#).

Evaluation of the potential for pulsed interference from new spaceborne synthetic aperture radar sensors in the earth exploration-satellite (active) service to radionavigation-satellite service receivers in the 1 215-1 300 MHz band (PDNR ITU-R RS.[EESS\_SAR-RNSS]) - See Annex 9 to Document [7C/288](#).

Typical technical and operational characteristics of Earth exploration-satellite service (passive) systems using allocations between 1.4 and 275 GHz (PDRR ITU-R RS.1861-0) - See Annex 11 to Document [7C/288](#).

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## Radiocommunication Bureau (BR)

Circular Letter  
7/LCCE/74

13 June 2018

**To Administrations of Member States of the ITU, Radiocommunication Sector Members,  
ITU-R Associates participating in the work of Radiocommunication Study Group 7  
and ITU Academia**

Subject: **Meetings of Working Parties 7A, 7B, 7C and 7D**

- **WP 7A: Time signals and frequency standard emissions**
- **WP 7B: Space radiocommunication applications**
- **WP 7C: Remote sensing systems**
- **WP 7D: Radio astronomy**

### 1 Introduction

By means of this Circular Letter, I wish to announce that meetings of ITU-R Working Parties 7A, 7B, 7C and 7D will take place in the ITU Headquarters in Geneva from 19-25 September 2018 (see the table below).

Groups	Meeting dates	Deadline for contributions 1600 hours UTC	Opening session
Working Party 7A	19-25 September 2018	Wednesday, 12 September 2018	Wednesday, 19 September 2018 at 1400 hours
Working Party 7B	19-25 September 2018	Wednesday, 12 September 2018	Wednesday, 19 September 2018 at 0930 hours
Working Party 7C	19-25 September 2018	Wednesday, 12 September 2018	Wednesday, 19 September 2018 at 1100 hours
Working Party 7D	19-25 September 2018	Wednesday, 12 September 2018	Wednesday, 19 September 2018 at 1400 hours

## 2 Programme of the meetings of Working Parties

A draft agenda for the meetings is contained in the Annex.

The status of texts assigned to the Working Parties can be found on:

<http://www.itu.int/md/R15-SG07-C-0001/en>

The Working Parties will conduct their work in English.

The Questions assigned may be found on: <http://www.itu.int/pub/R-QUE-SG07/en>.

## 3 Contributions

Contributions in response to the work of Working Parties 7A, 7B, 7C and 7D are invited. These will be 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 seven calendar days (1600 hours UTC) prior to the start of the meeting. **The deadlines for reception of contributions for these meetings are specified in the table above.** Submissions received later than these deadlines 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:

[rsg7@itu.int](mailto:rsg7@itu.int)

A copy of each contribution should also be sent to the Chairman of the relevant Working Party and to the Chairman and Vice-Chairmen of Study Group 7. The pertinent addresses can be found on:

<http://itu.int/go/rwp7a/ch>

<http://itu.int/go/rwp7b/ch>

<http://itu.int/go/rwp7c/ch>

<http://itu.int/go/rwp7d/ch>

<http://itu.int/go/rsg7/ch>

## 4 Documents

Contributions will be posted “as received” within one working day on the Working Party webpages established for this purpose. The official versions will be posted on <http://www.itu.int/ITU-R/go/rsg7/en> (see “contributions” of the relevant Working Party) within 3 working days.

In accordance with Resolution 167 (Rev. Busan, 2014) **the meetings 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 2<sup>nd</sup> basement of the Tower building and on the ground and first floors of the Montbrillant building for delegates who wish to print documents. In addition, a limited number of laptops are available for those who do not have one. Please enquire at the Service Desk ([servicedesk@itu.int](mailto:servicedesk@itu.int)) for further information.

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

## 5 Remote participation

In order to follow the proceedings of ITU-R meetings remotely an audio webcast of the Working Party plenary sessions 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.

Remote participants wishing to actively participate (e.g., to introduce a contribution) will need to register in advance for the meeting by indicating this intention to their Designated Focal Points (see section 6). Additionally, they need to coordinate their active participation at least one month prior to the meeting with the responsible Counsellor.

Further information regarding remote participation can be found at:

<https://www.itu.int/en/ITU-R/study-groups/Pages/remote-participation.aspx>

## 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 directly contact 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:

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François Rancy  
Director

### Annex: 1

#### Distribution:

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- ITU Academia
- Chairman and Vice-Chairmen of Radiocommunication Study Group 7
- Secretary General of the ITU, Director of the Telecommunication Standardization Bureau, Director of the Telecommunication Development Bureau

## ANNEX

### **Draft agenda for the meetings of Working Parties 7A, 7B, 7C and 7D**

(Geneva, 19-25 September 2018)

- 1** Introduction by the Chairman
- 2** Approval of the agenda
- 3** Chairman's progress Report
- 4** Status of Questions assigned to the Working Party and related work
- 5** Work programme for the meeting
- 6** Introduction of input documents
- 7** Establishment of working groups and assignment of documents
- 8** Preparation of output documents
- 9** Discussion of the future work plan
- 10** Next meetings
- 11** Any other business

Ronald BEARD  
Chairman, WP 7A

B. KAUFMAN  
Chairman, WP 7B

M. DREIS  
Chairman, WP 7C

A. TZIOUMIS  
Chairman, WP 7D