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| **Radiocommunication Assembly (RA-19) Sharm el-Sheikh, Egypt, 21-25 October 2019** |  |
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| **PLENARY MEETING** | **Document RA19/PLEN/2-E** |
| **17 September 2019** |
| **Original: English** |
| Chairman, Conference Preparatory Meeting for WRC‑19 | |
| Report of the Chairman of the CPM for WRC‑19 | |
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# 1 Introduction

The World Radiocommunication Conference 2019 (WRC‑19) will be held from 28 October to 22 November 2019, immediately following the Radiocommunication Assembly 2019 (RA‑19) which will take place from 21 to 25 October 2019 (see ITU Council Resolution 1380 (Modified C‑17)).

The agenda for WRC‑19 is contained in that Council Resolution and was established on the basis of Resolution 809 (WRC‑15).

The Radiocommunication Assembly 2015 (RA-15), by its Resolution ITU‑R 2-7, reconfirmed that preparatory studies for WRC‑19 are to be carried out by a Conference Preparatory Meeting (CPM) and appointed Mr Khalid Al-Awadi (United Arab Emirates) as the Chairman of CPM‑19 and Mr Mohammed Al Badi (Oman (Sultanate of)), Ms Chantal Beaumier (Canada), Mr Xiaoyang Gao (China (People's Republic of)), Mr Viresh Goel (India (Republic of)), Mr Alexander Kuehn (Germany (Federal Republic of)), Dr H. Seong (Korea (Republic of)), Mr T. Shafiee (Iran (Islamic Republic of)) and Mr A.V. Vassiliev (Russian Federation) as the Vice-Chairmen.

All administrations of the ITU Member States and the Radiocommunication Sector Members were invited to participate in the preparation of the CPM Report to WRC‑19.

On the basis of contributions from the membership of the ITU and the Radiocommunication Study Groups, concerning the technical, operational and regulatory and procedural matters to be considered by WRC‑19, the CPM prepared the Report for WRC‑19 in accordance with Resolution ITU‑R 2-7.

# 2 First session of the 2019 Conference Preparatory Meeting

The first session of the 2019 Conference Preparatory Meeting (CPM19-1) was held in Geneva on 30 November to 1 December 2015 and organized the preparatory studies for WRC‑19.

A structure for the draft Report of the CPM to WRC‑19 was agreed together with a preparatory process, working procedures and a chapter structure. The meeting appointed a Rapporteur for each chapter to assist the Chairman in managing the development and flow of draft CPM Report contributions. The results of CPM19-1 were published in Administrative Circular [CA/226](http://www.itu.int/md/R00-CA-CIR-0226) of the Radiocommunication Bureau dated 23 December 2015.

The ITU‑R preparatory studies on WRC‑19 agenda items were assigned to the following eleven Responsible Groups: Working Party (WP) 1A and WP 1B (SG 1); WP 4A and WP 4C (SG 4); WP 5A, WP 5B, WP 5C and WP 5D (SG 5); WP 7B and WP 7C (SG 7); and a Task Group (TG) 5/1 (SG 5) was established (see Annex 9 to [CA/226](http://www.itu.int/md/R00-CA-CIR-0226)). SG 3 was also involved in the preparatory studies.

During CPM19-1, several overlaps of frequency bands under different WRC-19 agenda items or issues were identified (see Table 1 of Annex 5 to [CA/226](http://www.itu.int/md/R00-CA-CIR-0226)). The responsible groups were asked to take this fact into account during their studies, when coordinating between the various involved groups. The aim of this coordination was to address mutual compatibility and sharing feasibility among the services/applications for which allocation/identification is envisaged under the corresponding resolutions relating to agenda items in the overlapping frequency bands. The Chairmen of the three relevant responsible groups exchanged views on this matter and, taking into account the Terms of Reference for TG 5/1 and the text of the Resolutions for all the agenda items with the overlapping frequency bands, reached a common understanding on the way forward which was conveyed to their respective groups (see Doc. [4A/386](https://www.itu.int/md/R15-WP4A-C-0386/en)–[5C/310](https://www.itu.int/md/R15-WP5C-C-0310/en)–[5-1/103](https://www.itu.int/md/R15-TG5.1-C-0103/en)).

# 3 Inter-sessional CPM‑19 preparatory process

Resolution ITU‑R 2-7 has been followed for the preparatory process, including in particular:

– Regular CPM-19 Steering Committee consultations and meetings;

– Work plans for the WRC‑19 agenda items;

– Exchange of information at the ITU Inter-Regional Workshops on WRC‑19 preparation.

– CPM-19 Management Team meeting.

## 3.1 Regular CPM-19 Steering Committee consultations and meetings

During the 2015-2019 preparatory period, regular CPM-19 Steering Committee consultations and meetings have been organized, including with active remote participation facilities. As a result, the following important issues for the WRC‑19 preparation have been considered:

– Work plan for the WRC‑19 agenda items

– Coordination between responsible and concerned groups

– Establishment of additional guidelines to those in Annex 2 to Resolution ITU-R 2-7, for the preparation the draft CPM texts:

• methods to satisfy the WRC‑19 agenda items

• mandatory usage of the 2016 Edition of the Radio Regulations

• references to ITU‑R Recommendations, Reports, etc.

• references to RR Provisions, W(A)RC Resolutions or Recommendations

• “Conclusion” section of the draft CPM texts on the 9 issues under WRC‑19 agenda item 9.1

– Deadlines for the submission of the draft CPM texts

– Preparation of the draft CPM Report

– Organization of the CPM‑19 Management Team meeting and of the Second Session of CPM-19

– On-line information on ITU‑R preparatory studies for WRC‑19.

The CPM-19 Steering Committee conclusions were published in Addendum 1 to CA/226 of 19 September 2016 and provided to all Responsible Groups in a document titled “Information on the preparation of texts for the draft CPM Report to WRC-19” (see Doc. 1A/77–1B/64–4A/109–4C/98–5A/169–5B/117–5C/101–5D/251–5-1/22–7B/59–7C/58 of 19 September 2016).

As a result of the September to November 2016 blocks of ITU-R meetings, a Corrigendum 1 to Addendum 1 of CA/226 was issued on 20 December 2016, in agreement with the CPM-19 Steering Committee, in order to take into account some changes requested by Study Groups 4 and 7 to the list of concerned working parties. A Corrigendum 2 to Addendum 1 of CA/226 was issued on 26 July 2017, in agreement with the CPM-19 Steering Committee, in order to take into account another change requested by WP 4C and SG 4 to the list of concerned working parties.

In addition, the Director of the Radiocommunication Bureau (BR) provided to the responsible groups additional information on the preparation of texts for the draft CPM Report to WRC-19, regarding the use of the Conference Proposal Interface (CPI) for WRC-19 for getting texts of Volumes 1 to 3 of the 2016 Edition of the Radio Regulations (see Doc. 1A/160–1B/136–4A/254–4C/154–5A/341–5B/226–5C/216–5D/535–5-1/39–7B/166–7C/143 of 4 April 2017).

The CPM-19 Chairman also provided to the Responsible Groups, in agreement with the CPM-19 Management Team, general guidance on the preparation of “Conclusion” sections of the draft CPM texts on the 9 issues under WRC-19 agenda item 9.1 (see Doc. 1B/245–4A/677–4C/357–5A/701–5B/454–5D/896–1A/279–5C/443–5-1/403–7B/274–7C/268 of 1 May 2018).

Texts for the draft CPM Report have been prepared by the Responsible Groups and submitted before the deadline of 31 August 2018 by the Chairmen of these groups to the CPM‑19 Chapter Rapporteurs, who submitted the Chapters to the CPM‑19 Management Team meeting (see section 3.4 below).

## 3.2 Work plan for each WRC‑19 agenda item

At the beginning of the preparatory process, it was recommended to determine for each WRC‑19 agenda item the work plan and the topics of study, in particular for those agenda items which are formulated in a general way leading to possible different understanding of the topics to be studied.

This information was annexed to the relevant Chairman’s Reports of the Responsible Groups and facilitated administrations’ preparation of each agenda item, as well as regional preparatory studies and interregional coordination.

This approach may be considered for the future WRC cycles.

## 3.3 ITU Inter-regional Workshops on WRC‑19 Preparation

In response to expectation from the ITU‑R membership to receive regular information on progress in preparation for WRC‑19 (see ITU PP Resolution 80 (Rev. Marrakesh, 2002), WRC Resolution 72 (Rev.WRC‑07) and Resolution ITU‑R 2-7), the BR has organized three ITU Inter-regional Workshops on WRC‑19 Preparation (2017, 2018 and 2019), where the ITU‑R membership and the regional organizations were well represented.

Participants of these three workshops were not only informed on the progress made on the ITU‑R preparatory studies according to the decisions taken at the first session of CPM‑19, but also have exchanged views on:

– the interests of the administrations and other stakeholders;

– possible methods to satisfy agenda items on the basis of results of the ITU‑R studies carried out by the Responsible Groups;

– preliminary positions and views on WRC‑19 agenda items of the main six regional groups preparing for this Conference.

The participants at these ITU Inter-regional Workshops confirmed the usefulness of such meetings for future WRCs.

## 3.4 Consolidation of the draft CPM Report

In accordance with Section 6 of Annex 1 to Resolution ITU‑R 2-7, the CPM‑19 Management Team meeting was held in Geneva on 6 and 7 September 2018. The draft CPM Report was consolidated and was distributed to all Member States and Radiocommunication Sector Members as Document CPM19-2/1.

# 4 Second session of the 2019 Conference Preparatory Meeting

The second session of CPM‑19 (CPM19-2) met in Geneva from 18 to 28 February 2019 under the chairmanship of Mr Khalid Al-Awadi (United Arab Emirates), assisted by the CPM Vice‑Chairmen, to consider the draft CPM Report, contributions from the ITU membership and additional material provided by the BR.

The meeting was attended by 1 294 delegates/participants representing 106 Member States and 83 Radiocommunication Sector Members, including international organizations.

CPM19-2 considered 198 input contributions including the draft CPM Report and the documents from the Director of the Radiocommunication Bureau.

At CPM19-2, the contributions were assigned for preparation of the final CPM Report to WRC-19 according to the following adopted structure:

Chairman, CPM-19 Mr K. Al-Awadi (UAE)

Rapporteur of the Plenary Ms S.-R. Haskins (USA)

Secretary of the Plenary Mr Ph. Aubineau (ITU BR, Counsellor for the CPM)

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| CPM19-2 Groups | Topic | Chairman | ITU BR (Co-) Secretary |
| Working Group 1 | Chapter 1: land mobile and fixed services; AI 1.11, 1.12, 1.14, 1.15 | Ms K. Zhu (CHN) | Mr S. Buonomo |
| Working Group 2 | Chapter 2: broadband applications in the mobile service; AI: 1.13, 1.16, 9.1 (issues 9.1.1, 9.1.5, 9.1.8) | Mr J. Arias Franco (MEX) | Mr D. Botha |
| Working Group 3 | Chapter 3: satellite services; AI 1.4, 1.5, 1.6, 7, 9.1 (issues 9.1.2, 9.1.3, 9.1.9) | Mr N. VARLAMOV (RUS) | Mr N. Malaguti |
| Working Group 4 | Chapter 4: science services; AI 1.2, 1.3, 1.7 | Mr V. Meens (F) | Mr V. Nozdrin |
| Working Group 5 | Chapter 5: maritime, aeronautical and amateur services; AI 1.1, 1.8, 1.9 (1.9.1, 1.9.2), 1.10, 9.1 (issue 9.1.4) | Mr W. SAYED (EGY) | Mr K. Bogens |
| Working Group 6 | Chapter 6: General issues; AI 2, 4, 9.1 (issues 9.1.6, 9.1.7), 10 | Mr P.N. Ngige (KEN) | Mr R. Chang |
| Drafting Group of the Plenary | Footnote No. **5.441B**, resulting in text included in Chapter 6 under AI 9.1 with cross reference in Chapter 2. | Mr S. Pastukh (RUS) | Mr Ph. Aubineau |

The CPM Report to WRC‑19 was successfully approved by the meeting.

The Report comprises six Chapters, defined in accordance with the structure approved by the first session of CPM‑19.

In addition, the Report contains in its Annex a list of the ITU‑R and other publications, including certain draft new or draft revised ITU-R Recommendations and ITU-R Reports, which are referred to in the text of the Report. The final version of this list reflecting the latest status of these publications prior to WRC-19 and relevant decisions of the Radiocommunication Assembly 2019 will be made available to the Conference.

During the CPM19-2 closing plenary session, some points were noted regarding possible areas of improvement of the CPM process (see Doc. CPM19-2/248). In addition, an increased number of pages in both the draft and the final CPM Reports can be noted along with the consideration and approval of several texts at the end of CPM19-2 which were available only in English at that time.

# 5 Conclusion

The Report of the Conference Preparatory Meeting (CPM) to the World Radiocommunication Conference 2019 (WRC‑19) was prepared in response to Resolution ITU-R 2-7. The Report was approved by the CPM at its second session in Geneva, 18 to 28 February 2019.

The Report of the CPM to WRC‑19 is provided to assist the ITU Member States and the Radiocommunication Sector Members who are involved in preparations for WRC‑19. It represented the best information on the technical, operational and regulatory/procedural issues relevant to the WRC‑19 agenda items, topics and issues available at the time of its preparation and provide a good basis for the discussions at the Conference.

# 6 Acknowledgment

I would like to express appreciation to all who supported the development of the Report of the CPM for WRC‑19 for their contributions and participation in the CPM process.

I would also like to thank the BR Director and the BR staff, who provided the required assistance during the CPM‑19 process.

The preparation of the Report of the CPM to WRC-19 has been a real team work and I would like to acknowledge the Vice-Chairmen of the CPM-19, the Chairmen of the Study Groups, as well as the Chairmen and the BR Counsellors of the Responsible Groups and the CPM-19 Chapter Rapporteurs who actively participated during the development of the Report.

I would also like to thank the many others who have contributed to the Report by participating in ITU‑R meetings and providing fruitful advice and comments.

K. Al-Awadi  
 Chairman, CPM‑19