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| **World Radiocommunication Conference (WRC-19)Sharm el-Sheikh, Egypt, 28 October – 22 November 2019** |  |
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| PLENARY MEETING | **Document 568-E** |
|  | **17 December 2019** |
|  | **Original: English** |
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| MINUTESOF THESEVENTH plenary meeting |
| Friday, 15 November 2019, at 1050 hours |
| **Chairman:** Mr A. BADAWI (Egypt) |

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# 1 Opening remarks by the Chairman

1.1 The **Chairman** thanked the delegates for their work and expressed appreciation that the deliberations on certain agenda items had been completed. He nevertheless encouraged delegates to adopt a more flexible approach in order to achieve consensus on outstanding items.

# 2 Final days of the conference (Document 316)

2.1 The **Secretary of the Plenary** introduced Document 316, containing information on the distribution of the provisional final acts, the deposit of declarations and reservations and the signing ceremony. The annex to Document 316 contained the draft timetable for the final days of WRC-19, the times being subject to change depending on the progress of the conference.

2.2 Document 316 was **noted**.

# 3 Oral reports by the committee chairmen and the Chairman of the Ad hoc Group of the Plenary

3.1 The **Vice-Chairman of Committee 2** (Mr S. Ritchie), acting as chairman of the committee in the chairman’s absence,reported that,since the sixth plenary meeting, the committee had received, examined and approved two more sets of credentials; Document 274 had been updated accordingly. He invited delegations which had not yet submitted their credentials to do so.

3.2 The oral report by the Chairman of Committee 2 was **noted**.

3.3 The **Chairman of Committee 3** said that his committee had not met since the previous plenary meeting and had no new information to submit. The committee would present its final report to the Plenary following its meeting on Monday, 18 November 2019.

3.4 The oral report by the Chairman of Committee 3 was **noted**.

3.5 The **Chairman of Committee 4** reported that since the sixth plenary meeting, his committee had met to discuss various topics on its agenda. Although a final decision was pending on a significant number of issues, including agenda items 1.11, 1.12, 1.13, 1.14, 1.16, 1.8 (Issue B), 9.1.2 and footnote 5.441B, he was optimistic that a positive outcome would be achieved. It had scheduled two meetings later that day.

3.6 The oral report by the Chairman of Committee 4 was **noted.**

3.7 The **Chairman of Committee 5** reported that his committee had met once since the sixth plenary meeting. It had approved five documents, some of which would be considered at the present meeting. The sub-working group and working group had completed their work. However, further work – including over the weekend – was required on several agenda items, particularly items 1.6 and 7 (Issue A).

3.8 The oral report by the Chairman of Committee 5 was **noted.**

3.9 The **Chairman of Committee 6** reported that his committee had met once since the sixth plenary meeting. Working Group A, handling agenda items 4, 6, 8 and some sections of item 9, had concluded its work. Work on agenda item 10 was ongoing, and the committee might have to meet over the weekend in order to make progress in that regard. He urged administrations to adopt a cooperative approach and to focus on the basic outcome regarding agenda items, rather than on the precise wording used.

3.10 The oral report by the Chairman of Committee 6 was **noted**.

3.11 The **Chairman of Committee 7** reported that his committee had met the previous day. It had prepared five series of texts for first reading at the current meeting.

3.12 The oral report by the Chairman of the Editorial Committee was **noted**.

3.13 The **Chairman of the Ad hoc Group of the Plenary** reported that the ad hoc group had completed its work. She said that the outcome text had been incorporated into Document 295 and was ready for review at an upcoming plenary meeting.

3.14 The oral report by the Chairman of the Ad hoc Group of the Plenary was **noted**.

# 4 Documents for approval (Documents 303, 338, 339 and 341)

4.1 The **Chairman of Committee 5** introduced Document 303, the committee’s second report to the Plenary, relating to the committee’s conclusions regarding agenda item 1.4 and the application of revised Annex 7 to Appendix 30 and associated resolutions. It was proposed that the following text, set out in Document 303 but amended to reflect the output numbers of certain resolutions it contained, be approved and included in the minutes of the plenary meeting as a decision of the conference:

**“Instructions to the Radiocommunication Bureau in application of
revised Annex 7 to RR Appendix 30 and associated Resolutions**

**1 Application of the revised orbital limitations applicable to broadcasting satellites serving an area in Region 1 and using a frequency in the band 11.7-12.2 GHz**

 When, under Article 4 of RR Appendix **30**, an administration of Regions 1 and 3 submits to the Bureau a new satellite network with frequency assignments in the band 11.7‑12.2 GHz, serving an area in Region 1 from the West and occupying a nominal orbital position further west than 37.2° W, the frequency assignments of this satellite network shall be deemed receivable only if a portion of land located in the western part of Region 1 as determined by the relevant software application of the Radiocommunication Bureau (excluding any territory with special status (e.g. Antarctica)) is visible from the nominal orbital position of that satellite network (i.e. the elevation angle is greater than 5 degrees). Otherwise the Bureau shall return those assignments to the notifying administration.

**2 Application of the revised orbital limitations applicable to broadcasting satellites serving an area in Region 2 and using a frequency in the band 12.2-12.7 GHz**

 When, under Article 4 of RR Appendix **30**, an administration of Region 2 submits to the Bureau a new satellite network with frequency assignments in the band 12.2-12.5 GHz (resp. 12.5-12.7 GHz), serving an area in Region 2 from the East and occupying a nominal orbital position further east than 44° W (resp. 54° W), the frequency assignments of this satellite network shall be deemed receivable only if a portion of land located in the eastern part of Region 2 as determined by the relevant software application of the Radiocommunication Bureau (excluding any territory with special status (e.g. Antarctica)) is visible from the nominal orbital position of that satellite network (i.e. the elevation angle is greater than 5 degrees). Otherwise the Bureau shall return those assignments to the notifying administration.

**3 Application of Resolution COM5/2 (WRC‑19)**

 *Resolves* 2 of Resolution **COM5/2 (WRC-19)** indicates that identification of frequency assignments of certain networks associated to 40-cm and 45-cm earth station antenna diameters are based only on EPM and a minimum orbital spacing less than 9 degrees. This *resolves* only applies in the frequency band 11.7-12.2 GHz. The HISPASAT-37A satellite network included in Annex 1 of this Resolution contains frequency assignments, which partially overlap with the frequency band 11.7-12.2 GHz. For the protection of such assignments from non-planned satellite networks, the criteria contained in Resolution **COM5/4 (WRC-19)** shall be applied however, for the protection of these assignments from new submissions under Article 4 that are subject to Resolution **COM5/2 (WRC-19)**, the criteria contained in *resolves* 2 of this Resolution shall be used.

**4 Application of new Resolution COM5/3 (WRC‑19)**

***a) Resolves* 2 on the date of receipt of submissions**

 Submissions referred to in *resolves* 2 shall have a common date of receipt of 21 May 2020. The formal date of receipt and the date of protection shall be 21 May 2020 if the submissions are complete. If the submissions are incomplete and a reply to the Bureau’s telefax seeking for missing information is received on or before 21 May 2020, the formal date of receipt and the date of protection shall be 21 May 2020. If the reply to the Bureau’s telefax is received after 21 May 2020, the date of protection shall be the same as the formal date of receipt established in accordance with the Rule of Procedure on the receivability of the notice. The established date of protection shall be used for the Bureau’s examination under relevant provisions of RR Appendices **30** and **30A**. For submissions with the same formal date of receipt, the Bureau shall mutually take them into account in its technical and regulatory examination.

***b) Resolves* 3 on the date of receipt of submissions**

 Submissions referred to in *resolves* 3 (i.e. submissions under § 4.1.3 of RR Appendix **30** in the frequency bands 11.7-12.5 GHz and feeder-links assignments in the frequency bands 14.5-14.8 GHz and 17.3-18.1 GHz of RR Appendix **30A**) at an orbital position of orbital arcs for which the limitations of Annex 7 to RR Appendix **30 (Rev.WRC‑15)** were suppressed by WRC‑19 and not meeting the specified requirements in § 1 of the Attachment to that Resolution, shall have a common date of receipt of 22 May 2020. For those submissions, the date of protection shall be the same as the formal date of receipt established in accordance with the Rule of Procedure on the receivability of the notice. The established date of protection shall be used for the Bureau’s examination under relevant provisions of RR Appendices **30** and **30A**. For submissions with the same formal date of receipt, the Bureau shall mutually take them into account in its technical and regulatory examination.

***c)*** **Submissions under § 4.1.12 of RR Appendix 30/30A of the satellite networks applying that Resolution**

 During the frequency coordination, the notifying Administration may change the beam from elliptical to shaped. Therefore, the Bureau shall accept submissions of satellite networks applying that Resolution and containing a shaped beam under § 4.1.12 of RR Appendices **30** and **30A**, if the characteristics of the submission under § 4.1.12 are within the envelope of the characteristics of submission under § 4.1.3.

**5 Calculation of the minimum geocentric orbital separation referred to in *resolves* 1 and 2 of Resolution COM5/4 (WRC‑19)**

 When calculating the minimum geocentric orbital separation between the wanted and interfering space stations, the Bureau shall take into account the East-West station-keeping accuracies of the FSS and BSS space stations so that the two space stations are the closest.

**6** In relation with the specific case of the Administration of South Sudan, which currently does not have any frequency assignments in the Plans of RR Appendices **30** and **30A**, WRC-19 decided that the Administration of South Sudan may apply Resolution **COM5/3 (WRC‑19)** and instructed the Radiocommunication Bureau to accept such submission from the administration of South Sudan.”

4.2 It was so **agreed.**

4.3 Document 303 was **approved**.

4.4 The **delegate of South Sudan** thanked the Plenary for approving Document 303. He expressed gratitude and appreciation to ITU, particularly the Radiocommunication Bureau, and to all administrations and entities that had helped his country make such significant progress since WRC-12.

4.5 The **Chairman of Committee 5** introduced Document 338, the committee’s third report to the Plenary, relating to the committee’s conclusions regarding agenda item 9.2. It was proposed that the following text, set out in Document 338, be approved and included in the minutes of the meeting as a decision of the conference:

“**Space research allocation in 14.5-14.8 GHz**

Having discussed Section 3.1.2.4 of Document [4 (Add.2)](https://www.itu.int/dms_pub/itu-r/md/16/wrc19/c/R16-WRC19-C-0004%21A2%21MSW-E.docx), Committee 5 concluded that the Conference should instruct the Director of the Radiocommunication Bureau to monitor the use of the space research allocation in the frequency band 14.5-14.8 GHz, and should invite ITU-R to study the evolution of the technical parameters of systems in the space research service and the associated sharing environment of the same frequency band.”

4.6 It was so **agreed.**

4.7 Document 338 was **approved.**

4.8 The **Chairman of Committee 5** introduced Document 339, the committee’s fourth report to the Plenary, relating to the committee’s conclusions regarding agenda item 9.2 and to proposals submitted by Member States with regard to No. 4.6 of the Radio Regulations. The committee had considered the proposals and had agreed that no changes were required to the Radio Regulations. The Plenary was invited to consider and approve the committee’s conclusion as reflected in the document.

4.9 Document 339 was **approved**.

4.10 The **Chairman of Committee 5** introduced Document 341, the committee’s fifth report to the Plenary, relating to the committee’s conclusions regarding agenda item 7 (Issue J) and Resolution 86 (Rev. WRC-07). Having considered the proposals submitted by Member States, the committee had agreed that no changes were required to the Radio Regulations. The Plenary was invited to consider and approve the committee’s conclusion as reflected in the document.

4.11 Document 341 was **approved**.

# 5 Twentieth series of texts submitted by the Editorial Committee for first reading (B20) (Document 324)

5.1 The **Chairman of the Editorial Committee** introduced Document 324.

5.2 The **Chairman** invited participants to consider Document 324.

**Appendix 30 (Article 11 – MOD Table 2, MOD Table 6A); Appendix 30A (Article 9A– MOD Table 3A1, MOD Table 3A2)**

5.3 **Approved.**

5.4 The twentieth series of texts submitted by the Editorial Committee for first reading (B20) (Document 324) was **approved**.

# 6 Twentieth series of texts submitted by the Editorial Committee (B20) – second reading (Document 324)

6.1 The twentieth series of texts submitted by the Editorial Committee (B20) (Document 324) was **approved** on second reading.

# 7 Twenty-first series of texts submitted by the Editorial Committee for first reading (B21) (Document 325)

7.1 The **Chairman of the Editorial Committee** introduced Document 325.

7.2 The **Chairman** invited participants to consider Document 325.

**Appendix 30, Annex 7 (MOD Title, MOD 1), MOD 2), SUP 3), SUP Table 1, SUP Table 2);**

**ADD Resolution COM5/2 (WRC-19)** – **Protection of implemented broadcasting-satellite service networks in the orbital arc of the geostationary satellite orbit between 37.2°W and 10°E in the frequency band 11.7-12.2 GHz**

7.3 **Approved.**

**ADD Resolution COM5/3 (WRC-19) –** **Additional temporary regulatory measures following the deletion of part of Annex 7 to Appendix 30 (Rev.WRC-15) by WRC-19**

7.4 The **delegate of Iraq**, pointing outthat his administration had lost a significant level of EPM protection, requested clarification regarding the deadline for submissions to the Bureau under that new resolution. He also recalled that WRC-12 had issued instructions to ITU to study the orbital positions of Iraq and to identify alternative orbital positions. He wished to know how those instructions had been handled.

7.5 The **Director of BR** said that the Bureau would be happy to answer questions and provide any assistance required in that respect and invited the delegation of Iraq to approach the Bureau directly.

7.6 ADD Resolution COM5/3 (WRC-19) was **approved.**

**ADD Resolution COM5/4 (WRC-19) – Need for coordination of Region 2 fixed-satellite service networks in the frequency band 11.7‑12.2 GHz with respect to the Region 1 broadcasting-satellite service assignments located further west than 37.2°W and of Region 1 fixed-satellite service networks in the frequency band 12.5-12.7 GHz with respect to the Region 2 broadcasting-satellite service assignments located further east than 54°W; SUP Resolution 557 (WRC-15)**

7.7 **Approved.**

7.8 The twenty-first series of texts submitted by the Editorial Committee for first reading (B21) (Document 325) was **approved.**

# 8 Twenty-first series of texts submitted by the Editorial Committee (B21) – second reading (Document 325)

8.1 The twenty-first series of texts submitted by the Editorial Committee (B21) (Document 325) was **approved** on second reading.

8.2 The **Director of BR** said that the adoption of Document 325 was a major achievement of the conference and provided an important opportunity for countries whose broadcasting-satellite service assignments in the Plan had recently been degraded. The resolution of priority submissions could enable them to obtain new assignments, with a good level of protection. The Bureau would allocate the resources needed to ensure successful implementation of the decisions contained in the document, in addition to providing assistance to administrations.

8.3 The **delegate of the Islamic Republic of Iran** supported the statement made by the Director of BR. His administration had raised the issue of assisting African and other countries two years previously in Working Party 4A; he was pleased that the advice had been taken on board, leading to the new texts approved. The new provisions would allow African countries with low EPM to mitigate problems relating to orbital positions. He thanked the Bureau for the assistance it had provided.

8.4 The **delegate of Rwanda**, speaking on behalf of the African group, thanked in particular the delegate of the Islamic Republic of Iran, who had provided support, and the Radiocommunication Bureau, which had offered technical advice and pledged to provide assistance in implementing the new texts.

8.5 The **Chairman** said that the tangible, positive results achieved should motivate participants to work hard to achieve further positive outcomes.

# 9 Twenty-third series of texts submitted by the Editorial Committee for first reading (B23) (Document 327)

9.1 The **Chairman of the Editorial Committee** introduced Document 327.

9.2 The **delegate of the** **United States** said that his delegation was in the process of reviewing Document 327 and had not yet resolved certain issues relating to its wording. He requested that consideration of Document 327 be deferred to the following plenary meeting.

9.3 The **delegate of Canada** seconded that proposal.

9.4 It was so **agreed.**

# 10 Twenty-fourth series of texts submitted by the Editorial Committee for first reading (B24) (Document 328)

10.1 The **Chairman of the Editorial Committee** introduced Document 328.

10.2 The **Chairman** invited participants to consider Document 328.

**Article 5 (MOD 5.208A, MOD 5.208B, MOD Table 148-161.9375 MHz)**

10.3 **Approved.**

**Article 5 (ADD 5.A192)**

10.4 **Approved,** subject to alignment of the Spanish version with the English**.**

**Article 5 (ADD 5.B192)**

10.5 The **delegates of China, the Republic of Korea, Viet Nam, the Democratic People’s Republic of Korea, South Africa** and **the Syrian Arab Republic** requested the inclusion of the names of their countries in ADD 5.B192.

10.6 ADD 5.B192, as thus amended, was **approved.**

**MOD Appendix 18**

10.7 Approved, subject to an editorial amendment pointed out by the **delegate of Germany.**

**MOD Resolution 739 (Rev.WRC-15); MOD Annex 1 to Resolution 739 (Rev.WRC-15); SUP Resolution 360 (Rev.WRC-15)**

10.8 **Approved.**

10.9 The twenty-fourth series of texts submitted by the Editorial Committee for first reading (B24) (Document 328), as amended, was **approved**.

10.10 The **Chairman** said that that series of texts would be referred back to the Editorial Committee, given that various amendments had been made to it. It would be resubmitted to the Plenary as a series for second reading.

# 11 Twenty-fifth series of texts submitted by the Editorial Committee for first reading (B25) (Document 332)

11.1 The **Chairman of the Editorial Committee** introduced Document 332.

11.2 The **Chairman** invited the meeting to consider Document 332.

**Article 11 (MOD 11.46, ADD 11.46.1); Appendix 4 (MOD Table A – Items in Appendix – A.2.a; MOD Table A – Items in Appendix – A.2.a, A.3.a and A.3.b; MOD Table C); Appendix 30 (MOD 4.1.12*bis*; MOD 4.2.16*bis*); Appendix 30A (MOD 4.1.12*bis*, MOD 4.2.16*bis*, MOD Title of Article 5, MOD 5.2.6); Appendix 30B (ADD 6.1*bis*, ADD 6.15*bis*, ADD 6.15*ter*, MOD 6.17)**

11.3 **Approved.**

**Appendix 30B (ADD 6.17*bis)***

11.4 The **representative of BR**, responding to a request for clarification from the **delegate of Kazakhstan**, confirmed that the Bureau would implement a request of the type mentioned in the provision by entering into the List a single sub-band of 250 MHz for the downlink and a single sub-band of 250 MHz for the uplink.

11.5 With that clarification, ADD 6.17*bis* was **approved.**

**Appendix 30B (MOD 8.13, ADD 8.16*bis*)**

11.6 **Approved.**

11.7 The twenty-fifth series of texts submitted by the Editorial Committee for first reading (B25) (Document 332) was **approved.**

# 12 Twenty-fifth series of texts submitted by the Editorial Committee (B25) – second reading (Document 332)

12.1 The twenty-fifth series of texts submitted by the Editorial Committee (B25) (Document 332) was **approved** on second reading.

# 13 Proposal for the work of the conference (Document 238)

13.1 The **delegate of Egypt** introduced Document 238, which contained a request relating to the Egyptian satellite Nilesat 301, which was to be located at orbital position 7°W before 19 March 2022, the deadline for bringing into use the frequency assignments of filing EGY-N-SAT. Although confident that it would be able to meet that deadline, the Egyptian Administration was concerned that any unexpected mishaps leading to delays beyond its control could affect the timely launch of the satellite. It therefore requested the conference to grant a six-month extension of the time-limit to 19 September 2022.

13.2 The **delegate of the Islamic Republic of Iran** said that, generally speaking, requests of that nature from developing countries should be considered favourably.

13.3 The **delegates of Saudi Arabia, Qatar, Lebanon** and **Kuwait** and the **observer for the State of Palestine** expressed support for the request.

13.4 The **delegate of the United Arab Emirates**, likewise expressing support for the request and noting that no objections had been raised to it, proposed that it should be approved forthwith at the present plenary meeting.

13.5 The **delegates of Rwanda,** speaking on behalf of the African group, **Bahrain, Iraq** and **Jordan** agreed with that proposal.

13.6 The **Chairman** took it that the conference wished to approve the request of the Egyptian Administration.

13.7 It was so **agreed.**

**The meeting rose at 1205 hours.**

The Secretary-General: The Chairman:

 H. ZHAO A. BADAWI