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1st ITU INTER-REGIONAL WORKSHOP
ON WRC-19 PREPARATION
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APT Preliminary Views on WRC-19 agenda items 1.4, 1.5, 1.6, 7 and 9.1 (Issues 9.1.2, 9.1.3 and 9.1.9)

***Mr. Muneo Abe,
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APT Conference Preparatory Group
for WRC-19***



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APT Preliminary Views on WRC-19 Agenda Items 1.4, 1.5, 1.6, 7 and 9.1 (Issues 9.1.2, 9.1.3 and 9.1.9)

Mr. Muneo Abe, Chairman, WP3, APT Conference Preparatory Group for WRC-19



Agenda Item 1.4

*“to consider the results of studies in accordance with Resolution **557 (WRC-15)**, and review, and revise if necessary, the limitations mentioned in Annex 7 to Appendix **30 (Rev.WRC-15)**, while ensuring the protection of, and without imposing additional constraints on, assignments in the Plan and the List and the future development of the broadcasting-satellite service within the Plan, and existing and planned fixed-satellite service networks”*

◆ Preliminary View

APT members support ITU-R studies and are of the view that any possible revision of the limitations of Annex 7 to Radio Regulations Appendix **30 (Rev.WRC-15)** under Resolution **557 (WRC-15)** should not impose any constraints on all assignments for Appendix **30** for Region 3.

◆ Issues for consideration of next APG meeting

APT Members are invited to follow the progress of ITU-R studies and are encouraged to submit their contributions for further considerations to the next APG meeting.



Agenda Item 1.5

“to consider the use of the frequency bands 17.7-19.7 GHz (space-to-Earth) and 27.5-29.5 GHz (Earth-to-space) by earth stations in motion communicating with geostationary space stations in the fixed-satellite service and take appropriate action, in accordance with Resolution 158 (WRC-15)”

◆ Preliminary View

Taking into account Resolution 158 (WRC-15), APT Members support ITU-R studies for regulatory issues and conditions on sharing and compatibility between ESIM and existing services allocated in the frequency bands 17.7-19.7 GHz and 27.5-29.5 GHz to ensure protection of, and not impose undue constraints on the existing services and their future development.

◆ Issues for consideration of next APG meeting

APT Members are encouraged to consider technical and regulatory matters and submit contributions to WP4A and next APG meeting.



Agenda Item 1.6

*“to consider the development of a regulatory framework for non-GSO FSS satellite systems that may operate in the frequency bands 37.5-39.5 GHz (space-to-Earth), 39.5-42.5 GHz (space-to-Earth), 47.2-50.2 GHz (Earth-to-space) and 50.4-51.4 GHz (Earth-to-space), in accordance with Resolution **159 (WRC-15)**”*

◆ Preliminary View

APT members support studies on technical and operational issues and regulatory provisions of non-GSO FSS satellite systems in the frequency bands 37.5- 39.5 GHz (space-to-Earth), 39.5 - 42.5 GHz (space to Earth), 47.2 - 50.2 GHz (Earth-to-space) and 50.4 - 51.4 GHz (Earth-to-space) while ensuring protection to GSO satellite networks in FSS, MSS and BSS, and other existing services in the same bands as well as protection of the EESS (passive) in the frequency bands 36-37 GHz and 50.2-50.4 GHz and the radio astronomy in the frequency bands 42.5-43.5 GHz, 48.94-49.04 GHz and 51.4-54.25 GHz.

◆ Issues for consideration of next APG meeting

Update the country positions and APT preliminary views based on the progress of studies.



Agenda Item 7

*“to consider possible changes, and other options, in response to Resolution **86 (Rev. Marrakesh, 2002)** of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution **86 (Rev.WRC-07)**, in order to facilitate rational, efficient and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit”*

General

◆ Preliminary View

APT Members support consideration of possible improvements of the advance publication, coordination, notification and recording procedures of satellite networks subject to this Agenda Item in accordance with Resolution 86 (Rev. WRC-07), on the basis that activity under this agenda item is not used to make changes to allocations in Article 5 of the Radio Regulations.

◆ Issues for consideration of next APG meeting

APT Members are invited to follow the progress of ITU-R studies, and are encouraged to submit their contributions for further considerations at the next meeting.



Agenda Item 7

Issue A: NGSO BIU

◆ Preliminary View

The APT Members support the ITU-R studies related to the regulatory provisions and procedures for bringing into use (BIU) of the frequency assignments of non-GSO FSS System(s).

◆ Issues for Consideration at next APG meeting

In view of difficulties of the issue A, further studies and consideration are required. APT Members are therefore invited to carry out necessary studies in this regard and submit their contributions for further considerations at the next APG meeting.



Agenda Item 7

Issue B: Ka-band coordination arc - FSS vs other services

◆ Preliminary View

APT Members support the ITU-R studies on the possibility of introducing the coordination arc concept to determine coordination requirements between the GSO FSS and GSO MSS satellite networks and between GSO MSS satellite networks in the portions of the Ka-band where both services are allocated on primary basis, while keeping the possibility for administrations to apply $\Delta T/T$ criteria under No. **9.41**, provided that the results of the studies does not impact the operations of satellite networks in particular those used for safety of life aspects. Moreover, the studies should indicate that use of such concept (coordination arc) would deliver similar results if $\Delta T/T$ were used.

◆ Issues for Consideration at next APG meeting

APT Members are invited to follow the progress of ITU-R studies, and are encouraged to submit their contributions for further considerations at the next meeting.



Agenda Item 7

Issue C: *Issues for which consensus was readily achieved in ITU-R*

Issue C1: *Inconsistency between RR No.11.43A and § 8.13 of RR AP30B*

◆ Preliminary View

APT members support a single method to address this issue by aligning the text of paragraph 8.13 of Article 8 of RR Appendix **30B** with that of RR No. **11.43A** of RR Article **11** while ensuring that this alignment should not impact on any other regulatory practice at present.

Issue C2: *Sub-band usage under RR AP30B*

◆ Preliminary View

APT members support a single method which can allow Administration to submit an application for one of the blocks/sub-bands in 10-11 GHz frequency range in an explicit submission of one of the blocks/sub-bands under RR Appendix **30B**.



Agenda Item 7

Issue C3: *Applicability of § 6.13-6.15 for § 6.6 request in AP30B*

◆ Preliminary View

APT members support a single method as described in Annex 36 to Document 4A/364-E.

Issue C4: *Possible of single AP4 data submission for both § 4.1.12 (entry into the List) and § 5.1.1/5.1.2 (Notification) in RR 30/30A*

◆ Preliminary View

APT Members support studies conducted by ITU-R WP4A for creating single AP4 notice for List and Notification assignment while taking due account simplifying the processing Appendix 4 information required for submission under § 4.1.12, § 5.1.1 and § 5.1.2, and reducing the workload of the Bureau and administrations.



Agenda Item 7

Issue C5: Possible reminder by the BR of 6 month deadline for resubmission under RR No.11.46

◆ Preliminary View

APT Members support to study on a single method addressing the lack of a reminder when Bureau allows notifying administrations six months to resubmit their frequency assignments under RR **No. 11.46**.

Issue C6: Possible single AP4 data submission for both § 6.17 (entry into the List) and § 8.1 (Notification) in RR30B

◆ Preliminary Views

APT members support a single method as described in Annex 36 to Document 4A/364-E. APT members is of the view that one notice and request in a letter to the Bureau for entry into the List under § 6.17 and for notification under § 8.1 of RR Appendix **30B** could reduce workload of both administration and the Bureau

◆ Issues for consideration at next APG meeting (for C1 – C5)

APT Members are invited to follow the progress of ITU-R studies, and are encouraged to submit their contributions for further considerations at the next meeting.



Agenda Item 7

Issue D: Identification of those specific satellite networks and systems with which coordination needs to be effected under 9.12, 9.12A and 9.13 [or 9.21]

◆ Preliminary View

APT Members support the study on identification of those specific satellite networks and systems with which coordination needs to be effected under Nos. **9.12**, **9.12A** and **9.13**.

◆ Issues for consideration at next APG meeting

Further studies and consideration on this issue are required. APT Members are therefore invited to carry out necessary studies in this regard and submit their contributions for further considerations at the next APG meeting.



Agenda Item 7

Issue E: *Harmonization of RR AP 30B with RR APs 30/30A*

◆ Preliminary Views

APT members generally support to study required harmonization of RR Appendix **30B** with RR Appendices **30** and **30A**.

APT members support to split this issue into three separate issues under WRC-19 Agenda Item 7.

◆ Issues for consideration at next APG meeting

Update the country positions and APT preliminary views based on the progress of studies.



Agenda Item 7

Issue F: Concerns with the lack of implementation of certain provisions of the RR that can lead to difficulties during the process of entering an assignment into the RR AP 30B List

◆ Preliminary View

APT members support further study to address the relevant concerns with the lack of implementation of certain provisions of the Radio Regulations that can lead to difficulties during the process of entering an assignment into the RR Appendix **30B** List.

◆ Issues for Consideration at next APG meeting

Update the country positions and APT preliminary views based on the progress of studies.



Agenda Item 7

Issue G: Updating AP30/30A reference situation

◆ Preliminary Views

APT Members support study conducted by ITU-R WP 4A for modifying No. 4.1.18 of RR Appendices 30 and 30A where taking due account the implication to the assignments that are already in the Regions 1 and 3 List while updating the reference situation.

◆ Issues for consideration at next APG meeting

APT Members are invited to follow the progress of ITU-R studies, and are encouraged to submit their contributions for further considerations at the next meeting.



Agenda Item 7

Issue H: Modifications to RR AP4 data elements to be provided for NGSO satellite networks/systems

◆ Preliminary View

APT Members support the study to determine whether additional RR Appendix 4 data elements are required to enhance the capability of administrations to model non-GSO satellite systems based on the information provided in the API and CR/C publication for non-GSO system.

◆ Issues for considerations at next APG Meeting

Further study is needed on whether modifications to RR Appendix 4 data elements for non-GSO satellite networks/systems is necessary. APT Members are therefore invited to carry out necessary studies in this regard and submit their contributions for further considerations at the next APG meeting.



Agenda Item 9.1 Issue 9.1.2

*“to study compatibility of International Mobile Telecommunications and broadcasting-satellite service (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3, in accordance with Resolution **761 (WRC-15)**”*

◆ Preliminary View

APT members support the ITU-R studies on compatibility between IMT and BSS (sound) in the frequency band 1 452 – 1 492 MHz in Regions 1 and 3, taking into account IMT and BSS (sound) operational requirements in accordance with Resolution **761 (WRC-15)**.

◆ Issues for consideration at next APG meeting

APT Members are invited to provide their contributions for updating APT Preliminary Views including process to achieve compatibility of BSS (sound) and IMT in the band with consideration of progress of studies in ITU-R.



Agenda Item 9.1 Issue 9.1.3

*“to study technical and operational issues and regulatory provisions for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands allocated to the fixed-satellite service, in accordance with Resolution **157 (WRC-15)**”*

◆ Preliminary Views

APT Members support the ITU-R studies of technical and operational issues and regulatory provisions for new non-GSO systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands under the terms of Resolution **157 (WRC-15)**.

APT Members are of the view that any revision or development of technical and operational conditions and regulatory provisions for new non-GSO systems should ensure the protection of the existing services in these bands and should not limit or additionally constrain the future development of these services.

◆ Issues for consideration at next APG meeting

APT Members are invited to follow the progress of ITU-R studies, and are encouraged to submit their contributions for further considerations in the next APG meeting.



Agenda Item 9.1 Issue 9.1.9

*“Studies relating to spectrum needs and possible allocation of the frequency band 51.4-52.4 GHz to the fixed-satellite service (Earth-to-space), in accordance with Resolution **162 (WRC-15)**”*

◆ Preliminary Views

APT Members support ITU-R studies relating to spectrum needs, sharing and compatibility between fixed-satellite service in the frequency band 51.4-52.4 GHz and other co-frequency, and adjacent band services in accordance with Resolution **162 (WRC-15)**.

APT Members are of the view that consideration of an allocation to the fixed-satellite service (Earth-to-space) in the frequency band 51.4-52.4 GHz limited to feeder links for geostationary satellite orbit use is subject to satisfactory outcomes of ITU-R studies related to spectrum needs and compatibility with existing services allocated to the same and adjacent bands.

◆ Issues for consideration at next APG meeting

APT Members are invited to follow the progress of ITU-R studies, and are encouraged to submit their contributions for further considerations in the next APG meeting.
