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INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY



WRC-27 Regional Preparatory Workshop

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Asia Pacific Telecommunity (APT)

APT Preliminary View for WRC-27

~ Output of APG27-3 ~

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About APT

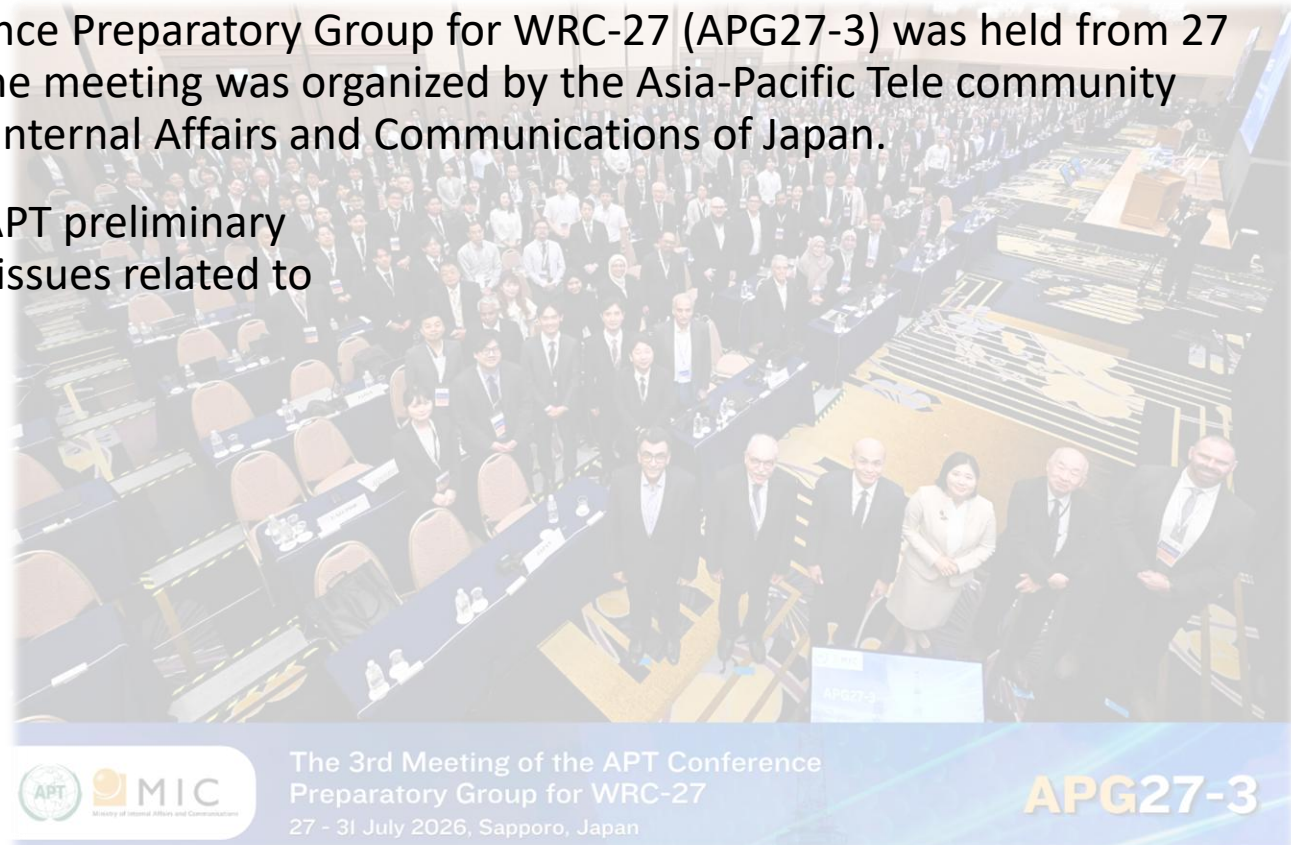
ASIA-PACIFIC TELECOMMUNITY (APT)

APT is an intergovernmental organization established in February 1979 with the aim of promoting ICT development in the Asia-Pacific region. APT has 38 member administrations (“Member”), 4 administrations who are under the category of “Associate Members”, and 140 private companies and academia (“Affiliate Members”)

The latest meeting (APG27-3)

The 3rd Meeting of the APT Conference Preparatory Group for WRC-27 (APG27-3) was held from 27 to 31 July 2026 in Sapporo, Japan. The meeting was organized by the Asia-Pacific Tele community (APT) and hosted by the Ministry of Internal Affairs and Communications of Japan.

The APG27-3 meeting updated the APT preliminary views on WRC-27 agenda items and issues related to RA-27.



APG-27

Structure and Management Team

MR. NOBUYUKI KAWAI
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Mr. Christopher Worl
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Mr. Zhao Zheng
Special Adviser (APG-27)



Mr. Bharat Bhatia
Chair, Editorial Committee



Working Party 1

Fixed and Broadcasting
Satellite Issues

Assigned Agenda Items
1.1,1.2,1.3,1.4,**1.5**, 1.6, 7

Working Party 2

Fixed, Mobile and
Radiolocation Issues

Assigned Agenda Items
1.7,1.8,1.9,1.10

Working Party 3

Mobile Satellite Issues

Assigned Agenda Items
1.11,1.12,1.13,1.14

Working Party 4

Science Issues

Assigned Agenda Items
1.15, 1.16, 1.17, 1.18,
1.19

Working Party 5

General Issues

Assigned Agenda Items
2,4,8,9,10

Meeting Schedule of APG-27

This presentation shows the outputs of the 3rd APT Conference Preparatory Group Meeting for WRC-27 held in July 2026.



APG27-1

3 - 6 June 2024, Shanghai, P. R. of China
Established the WP Structure



APG27-2

28 July – 1 August 2025, Pattaya, Thailand
Developed APT Preliminary Views on WRC-27 Agenda Items



APG27-3

28 July – 1 August 2026, Sapporo, Japan
Updated APT Preliminary Views



Future meetings

APG27-4 (February/March 2027)
APG27-5 (July/Aug 2027)

02

APT common views

Agenda item 1.5

to consider regulatory measures, and implementability thereof, to limit the unauthorized operations of non-geostationary-satellite orbit earth stations in the fixed-satellite and mobile-satellite services and associated issues related to the service area of non-geostationary-satellite orbit satellite systems in the fixed-satellite and mobile-satellite services, in accordance with Resolution 14 (WRC 23)

APT Preliminary View

controversial

1. APT Members support the ongoing ITU-R studies, in accordance to Resolution 14 (WRC-23), on regulatory measures to limit unauthorized operations of non-GSO FSS and MSS earth stations/terminals in the Earth-to-space direction in order to address and cease such operations, taking into account technical and operational aspects, as appropriate, recognizing the sovereign right of the Member States under the ITU Constitution to regulate its own telecommunications and to determine what non-GSO FSS and MSS earth stations/terminals should be authorized to operate within its territory, including national territorial waters and airspace under its jurisdiction.
2. APT Members are of the view that the existing regulatory provisions including RR Article 18, Resolution 25 (Rev. WRC-23) and Resolution 22 (Rev. WRC-23) provide the necessary regulatory basis. However, additional measures are/may be required to ensure effective implementation and compliance with relevant regulatory provisions.
3. APT Members support studies on designation of one single administration to act on behalf of multiple administrations of one non-GSO satellite system.

Agenda item 1.5 (continue)

APT Preliminary View

4. APT Members are of the view that reference to relevant Resolutions can be included in the Articles of the Radio Regulations, e.g. through a footnote.
5. APT Members are of the view that measures under Resolution 14 (WRC-23) shall not adversely affect the operation of existing and future authorized earth stations/terminals of non-GSO FSS/MSS satellite systems.
6. APT Members are of the view that measures to prevent unauthorized operation shall not adversely affect the operation of distress and safety communications under Chapter VII of the Radio Regulations.
7. APT Members support ensuring that operation of non-GSO FSS or MSS earth stations/terminals in the Earth-to-space direction in territories of administrations that have not authorized such operation, is immediately ceased/deactivated by the notifying administration of the satellite system through various appropriate means, including Network Control and Monitoring Centers (NCMCs).
8. APT Members support procedures for reporting unauthorized operations and requiring actions by the responsible administration for the non-GSO FSS or MSS satellite system.

Agenda item 1.5 (continue)

APT Preliminary View

9. APT Members are of the view that should a notifying administration of non-GSO FSS or MSS satellite systems, taking into account its obligations as stipulated in the Radio Regulations, fail to discharge its obligations and responsibilities, the matter is to be submitted for review by RRB in order to take necessary actions including any instructions to be given by WRC-27 in this regard and the implementation of resolves 2 of Resolution 119 (Rev. Bucharest, 2022).
10. APT Members recognize the sovereign right of any administration to request the exclusion of their national territory from the service area of non-GSO FSS and/or MSS systems. See also Rule of Procedure under RR 9.50.

Agenda item 1.7

to consider studies on sharing and compatibility and develop technical conditions for the use of International Mobile Telecommunications (IMT) in the frequency bands 4 400-4 800 MHz, 7 125-8 400 MHz (or parts thereof), and 14.8-15.35 GHz taking into account existing primary services operating in these, and adjacent, frequency bands, in accordance with Resolution 256 (WRC-23)

APT Preliminary View

controversial

APT Members support ITU-R sharing and compatibility studies in accordance with Resolution 256 (WRC-23).

APT Members note that current draft CPM text reflects different methods to satisfy agenda item 1.7, including No Change to Radio Regulations as well as consideration of possible IMT identification of the bands included in the agenda item or portions thereof provided that the results of ITU-R studies are satisfactory to fulfill the objectives as stipulated in Resolution 256 (WRC-23).

APT Members recognize that the ITU-R studies and the CPM Report need to remain within the scope of Resolution 256 (WRC-23).

Agenda item 1.9

to consider appropriate regulatory actions to update Appendix 26 to the Radio Regulations in support of aeronautical mobile (OR) high frequency modernization, in accordance with Resolution 411 (WRC-23)

APT Preliminary View

- APT Members support ITU-R sharing and compatibility studies in accordance with Resolution 411 (WRC-23) with a view to update Appendix 26 of the RR to enable the use of modernised Wideband High Frequency (WBHF) technologies without modifying the existing area allotments.
- APT Members are of the view that any modifications to Appendix 26 of the RR should be on the basis that the sharing studies show no reduction in protection criteria of existing applications within the Aeronautical Mobile (OR) Service, as well as Primary services in the same or adjacent bands, in particular the AM(R)S as detailed in Appendix 27.
- APT Members support the principles of CPM Method B (developed in WP 5B, (Chapter 4 to WP 5B Chair's report (5B/526)) as it aligns with proposed changes to Appendix 26. While acknowledging that some sub-parts of Method B are still incomplete, members agree to review these outstanding details at a later APG.

Agenda item 1.11

to consider the technical and operational issues, and regulatory provisions, for space-to-space links among non-geostationary and geostationary satellites in the frequency bands 1 518- 1 544 MHz, 1 545-1 559 MHz, 1 610-1 645.5 MHz, 1 646.5-1 660 MHz, 1 670-1 675 MHz and 2 483.5-2 500 MHz allocated to the mobile-satellite service, in accordance with Resolution 249 (Rev.WRC-23)

APT Preliminary View

- APT Members support the studies at ITU-R of technical and operational issues, and regulatory provisions, for space-to-space links among non-geostationary and geostationary satellites in the frequency bands allocated to the mobile-satellite service, in accordance with Resolution 249 (Rev.WRC-23), in particular taking into account the directions of transmissions in accordance with resolves 1 and 2 of the above-mentioned Resolution.
- Any technical and regulatory provisions developed under this Agenda Item should ensure the protection of current and planned MSS operations and other existing services allocated in those frequency bands and adjacent frequency bands.
- To ensure the implementation of the conditions it is necessary that the administration responsible for space to space transmission at the time of submission of Appendix 4 data element also submit a firm objective, actionable, measurable and enforceable commitment to comply with the conditions that stations operating in an MSS (space-to-space) or ISS allocation shall not cause harmful interference to, or claim protection from, the MSS (space-to-Earth) or MSS (Earth-to-space), while ensuring the protection of other services allocated in those and adjacent frequency bands.

Agenda item 1.12

to consider, based on the results of studies, possible allocations to the mobile-satellite service and possible regulatory actions in the frequency bands 1 427-1 432 MHz (space-to-Earth), 1 645.5-1 646.5 MHz (space-to-Earth) (Earth-to-space), 1 880-1 920 MHz (space-to-Earth) (Earth-to-space) and 2 010-2 025 MHz (space-to-Earth) (Earth-to-space) required for the future development of low-data-rate non-geostationary mobile-satellite systems, in accordance with Resolution 252 (WRC-23)

APT Preliminary View

- APT Members support ongoing ITU-R studies in accordance with Resolution 252 (WRC-23) to ensure the protection of existing primary services in-band and in adjacent frequency bands.
- APT Members are of the view that to prevent ambiguity and ensuring regulatory stability, a clear definition/description of non-GSO low-data-rate (LDR) MSS systems, including how they distinct from existing MSS systems, should be established.
- APT Members are of the view that protection of incumbent MSS in the 1 645.5-1 646.5 MHz frequency band for GMDSS under No. 5.375 should be ensured from the operation of non-GSO LDR MSS systems, otherwise operation of non-GSO LDR MSS systems in this frequency band is not supported.
- APT Members are of view that the technical and regulatory conditions for LDR MSS systems should be developed to allow coexistence of these systems in the same frequency bands in order to avoid exclusive access to these spectrum resources.

Agenda item 1.12 (continue)

APT Preliminary View

- Considering that there are overlapping frequency bands under WRC-27 agenda items 1.12, 1.13 and 1.14; APT Members are of the view that relevant studies should be closely coordinated and aligned accordingly by relevant ITU-R working parties to ensure protection of incumbent services within the frequency bands and the adjacent frequency bands from interference emanating from new possible allocation to non-GSO MSS in accordance with Resolution 252 (WRC-23).
- APT Members are of the view that the protection of existing terrestrial IMT systems as well as their continued operation and future development, including for the use of high-altitude platform stations (HAPS) as IMT base stations (HIBS), shall be ensured, noting that some ITU-R studies indicate that sharing and compatibility is not feasible.

Agenda item 1.13

to consider studies on possible new allocations to the mobile-satellite service for direct connectivity between space stations and International Mobile Telecommunications (IMT) user equipment to complement terrestrial IMT network coverage, in accordance with Resolution 253 (WRC-23)

APT Preliminary View

controversial

APT Members support to carry out necessary and appropriate studies to respond, to the extent practicable, to the objectives of Resolution 253 (WRC-23).

APT Members are of the view that the use of the frequency bands studied for DC-MSS-IMT together with associated conditions should be reflected in the footnote and pointed to new WRC Resolution(s) for this agenda item.

APT Members are of the view that the operation of the DC-MSS-IMT including the rationale of reference to MNO and SNO with their associated responsibility as well as other technical and regulatory issues are to be clearly addressed and agreed by consensus.

APT Members are of the view that the results of compatibility studies under this agenda item need to ensure the continued protection of incumbent services in-band and adjacent bands.

Agenda item 1.15

to consider studies on frequency-related matters, including possible new or modified space research service (space-to-space) allocations, for future development of communications on the lunar surface and between lunar orbit and the lunar surface, in accordance with Resolution 680 (WRC-23)

APT Preliminary View

APT Members note the growing global interest in lunar exploration and the associated need for reliable communication between lunar surface systems and lunar orbiting platforms. Current allocations used for lunar applications may not be sufficient or optimally suited to support the diverse and evolving communication requirements of future lunar missions.

APT Members support the finalization of appropriate studies and draft CPM text on potential new allocations, or the modification of existing allocations, in the Space Research Service (space-to-space) for lunar applications within the frequency ranges identified in resolves 1) of Resolution 680 (WRC-23) while ensuring the protection of existing radiocommunication services as identified in recognizing g) to n) of Resolution 680 (WRC-23).

APT Members support ensuring the protection of the Shielded Zone of the Moon, as specified in Article 22 Section V of the ITU Radio Regulations and also ensuring protection of the RAS on the Earth as specified in resolves 4 of Resolution 680 (WRC-23).

Agenda item 1.16

to consider studies on the technical and regulatory provisions necessary to protect radio astronomy operating in specific Radio Quiet Zones and, in frequency bands allocated to the radio astronomy service on a primary basis globally, from aggregate radio-frequency interference caused by non-geostationary-satellite orbit systems, in accordance with Resolution 681 (WRC-23)

APT Preliminary View

APT Members support the ongoing ITU-R studies on impact of interference from non-GSO satellite systems and appropriate technical and/or regulatory measures to protect radio astronomy operating in the bands specified in Resolution 681 (WRC-23) where radio astronomy service has primary allocation, as well as the studies on potential characterization of the radio quiet zones (RQZs) specified in Resolution 681 (WRC-23) in the Radio Regulations and/or in a WRC Resolution. APT Members note that the result of the studies on RQZ characterization should not adversely affect operational and development of non-GSO systems.

Agenda item 1.17

to consider regulatory provisions for receive-only space weather sensors and their protection in the Radio Regulations, taking into account the results of ITU Radiocommunication Sector studies, in accordance with Resolution 682 (WRC-23)

APT Preliminary View

APT Members support studies on regulatory provisions for receive-only space weather sensors and their protection in the Radio Regulations (RR), including potential primary allocations to MetAids (space weather) for receive-only space weather sensors in the frequency bands identified in Resolution 682 (WRC-23). APT Members are of the view that these allocations shall not claim protection from, or constrain the future development of, incumbent services, in accordance with RR (Edition 2024), in these frequency bands or in adjacent bands, including services in accordance with GE06 Plan.

APT Members also support studies on possible regulatory provisions of RR to accommodate the possibility to notify a receive-only space weather sensor station for recording in the Master International Frequency Register (MIFR).

Agenda item 1.18

To consider, based on the results of ITU Radiocommunication Sector studies, possible regulatory measures regarding the protection of the Earth exploration-satellite service (passive) and the radio astronomy service in certain frequency bands above 76 GHz from unwanted emissions of active services, in accordance with Resolution 712 (WRC-23)

APT Preliminary View

APT Members support the continuation of the necessary technical and operational studies on compatibility between the EESS (passive) and the corresponding active services in adjacent frequency bands as listed in Table 1 of Resolution 712 (WRC-23), and the compatibility studies between the RAS and the active satellite services in certain adjacent and nearby frequency bands as listed in Table 2 of Resolution 712 (WRC-23).

APT Members support the appropriate development of regulatory measures, subject to compatibility studies, to protect the EESS (passive) and RAS with the revision of Resolution 750 (Rev. WRC-19) and Resolution 739 (Rev. WRC-19), respectively.

Agenda item 1.19

to consider possible primary allocations in all Regions to the Earth exploration-satellite service (passive) in the frequency bands 4 200-4 400 MHz and 8 400-8 500 MHz, in accordance with Resolution 674 (WRC-23)

APT Preliminary View

APT Members support the ongoing ITU-R studies in accordance with Resolution 674 (WRC-23) for the consideration of possible primary allocation to the Earth exploration-satellite service (passive), for SST measurement, in the frequency bands 4 200-4 400 MHz and 8 400-8 500 MHz, on the basis that any such allocation shall not claim protection from existing services allocated in these bands and adjacent frequency bands in accordance with RR, Edition of 2024.

Due to the consideration of the adjacent bands for possible IMT identification under AI 1.7, APT Members support the ongoing studies on the compatibility between EESS (Passive) and IMT systems in adjacent bands, noting that the studies have not yet concluded.

Agenda item 4

in accordance with Resolution 95 (Rev.WRC-19), to review the Resolutions and Recommendations of previous conferences with a view to their possible revision, replacement or abrogation

APT Preliminary View

APT Members support the principle and intent of Resolution 95 (Rev.WRC-19), to ensure Resolutions and Recommendations of past WRCs are relevant and kept up to date.

APT Members are encouraged to review Resolutions and Recommendations from previous conferences as shown in Attachment 1 and follow the activities and prepare specific proposals under this agenda item. In reviewing the Attachment 1;

- the progress of the studies is important information for those Resolutions that include “invites ITU-R”,
- or similarly, the progress of the implementation work of the ITU Radiocommunication Bureau (BR) is also important for those Resolutions that include “instructs the Director of the Radiocommunication Bureau”.

Agenda item 4 (continue)

APT Preliminary View

In addition, APT Members are encouraged to review the "Note by the Secretariat" footnotes in the Radio Regulations. This review aims to determine whether references to earlier versions of WRC Resolutions should be updated or intentionally retained based on their regulatory context. Where older references are retained for historical reasons, explanatory footnotes may be added to clarify their purpose and improve the consistency of the Radio Regulations.

Attachment 1

1) List of WRC Resolutions for consideration by WRC-27 under agenda item 4

Res.	Subject	Remarks	APT proposal to WRC-23	Decision by WRC-23	APT proposal to WRC-27	ITU-R SG/WP
219	Terrestrial component of IMT in 10-10.5 GHz in Region 2	(WRC-23) Still relevant. Developed as a result of agenda item 1.2 of WRC-23. This Resolution is referred to in No. 5.480A . The studies referenced in <i>invites ITU-R 1</i> of this Resolution have been completed and are reflected in Recommendation ITU-R M.1036-8 .	— — —	ADD	MOD	WP5D, WP7D
220	Terrestrial component of IMT within 6 425-7 125 MHz	(WRC-23) Still relevant. Developed as a result of agenda item 1.2 of WRC-23. This Resolution is referred to in Nos. 5.457D , 5.457E and 5.457F . The ITU-R studies invited in this Resolution (<i>invites ITU-R 1, 3, 4 and 7</i>) are making progress. Some of these studies (<i>invites ITU-R 1, 4 and 7</i>) have been completed and are reflected in Recommendation ITU-R M.1036-8 and Reports ITU-R M.2560-0 and M.2561-0 , respectively.	— — —	ADD	MOD	WP5D, WP4A, WP7B/D
240	Spectrum harmonization for railway radiocommunication between train and trackside	(WRC-19) Still relevant. The studies referenced in <i>recognizing e</i> and <i>invites ITU-R 1</i> of this Resolution have been completed and are reflected in Recommendation ITU-R M.2171-0 .	NOC/MOD	NOC	MOD	WP5A

Agenda item 8

to consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution 26 (Rev.WRC-23)

APT Preliminary View

Topic A – Deletion of country footnotes or country names from footnotes

APT Members support the principles and intent of Resolution 26 (Rev.WRC-23) and the WRC standing agenda item for administrations to remove their country footnotes or their country names associated with specific footnotes of the Table of Frequency Allocations in Article 5 of the Radio Regulations when no longer required.

APT Members are invited to review footnotes and to propose the deletion of their country footnotes or of their country names from footnotes, as appropriate.

Topic B – Addition of country names into existing footnotes

APT Members are of the view that this standing agenda item is not intended for adding country names into existing footnotes. “WRCs may continue to deal with requests to add country names to the existing footnotes on a case-by-case basis, subject to the principle that there are no objections from the affected countries as outlined in Annex 1 to Resolution 26 (Rev.WRC-23)”.

Agenda item 8 (continue)

APT Preliminary View

Topic C – Addition of new country footnotes

Previous WRCs have considered proposals for addition of new country footnotes under this agenda item and determined that proposals for the addition of new country footnotes which are not related to agenda items of the Conference should not be considered (See Annex 1 to Resolution 26 (Rev.WRC-23)).

APT Members are of the view that this WRCs standing agenda item is not intended for the addition of new country footnotes and therefore proposals for the addition of new country footnotes which are not related to agenda items of the Conference shall not be considered.

Topic D – Availability of proposals under WRC standing Agenda Item 8

APT Members are of the view that the proposals under this WRC standing agenda item should be available in a timely and efficient manner before a conference for due consideration of administrations.

Therefore, APT Members are encouraged to submit their proposals under this WRC standing agenda item as soon as possible and not later than the second session of the CPM, if available, to allow due consideration by potentially affected administrations (see urges administrations 4 of Resolution 26 (Rev.WRC-23)).

Topic E – Modification to Resolution 26 (Rev.WRC-23)

APT Members do not support any changes to Resolution 26 (Rev.WRC-23) at this stage.

Agenda item 10

to recommend to the ITU Council items for inclusion in the agenda for the next world radiocommunication conference, and items for the preliminary agenda of future conferences, in accordance with Article 7 of the ITU Convention and Resolution 804 (Rev.WRC-23)

APT Preliminary View

General Principles for establishing agendas

APT Members support the consideration of items at WRC-31 that are of international and regional importance, which can only be effectively addressed through a WRC, and which are likely to be resolved within the available time and resources.

APT Members are of the view that in developing new WRC agenda items:

- taking into account the Principles for establishing agendas for WRCs as detailed in Annex 1 to Resolution 804 (Rev.WRC-23) fully be taken into account.
- using the Guidance for the development of resolutions related to agenda items of world radiocommunication conferences as detailed in Annex 2 to Resolution 804 (Rev.WRC-23) be used.
- using the Template for the submission of proposals for agenda items as given in Annex 3 to Resolution 804 (Rev.WRC-23).

Agenda item 10 (continue)

APT Preliminary View

General Principles for establishing agendas

- the volume of the agenda of a WRC and the workload of the preparatory work needed to be kept at a manageable level. Therefore, number of agenda item shall be absolutely minimum and manageable, taking into account that there are 14 preliminary agenda items for WRC-31 plus 10 standing agenda items including agenda item 7 which could be much more than one item.
- issues that can be resolved under the standing agenda items of WRCs or through the regular activities of ITU-R should not be converted into separate agenda item of WRCs.

03 Conclusion

Further discussion was carried forward to the APG27-4 meeting to achieve the following outcomes.

We should continue to monitor the direction of the discussions within APG.

Expected Outcomes:

- 1) Preliminary views on WRC-27 Agenda Items
- 2) Preliminary views on issues related to RA-27, if any
- 3) Proposed modification(s) to the draft CPM Report, as appropriate, for submission to CPM27-2
- 4) Objectives and expected outcomes of APG27-5
- 5) Mechanism for coordinating APT activities during CPM27-2

Thank You

