

**1st ITU INTER-REGIONAL WORKSHOP
ON WRC-15 PREPARATION
(Geneva, 4 – 5 December 2013)**

**APT PREPARATORY
PROCESS FOR
WRC-15**

ASIA PACIFIC TELECOMMUNITY

**1ST ITU INTER-REGIONAL
WORKSHOP ON WRC-15
PREPARATION**

**GENEVA, SWITZERLAND
4-5 DECEMBER 2013**

www.itu.int/go/ITU-R/WRC-15-irwsp-13/



ASIA PACIFIC TELECOMMUNITY



APT PREPARATORY PROCESS FOR WRC-15



ASIA PACIFIC TELECOMMUNITY



Contents



- **Part 1:**
 - **APT Conference Preparatory Group for WRC-15**
 - **Process of Developing APT Common Proposals**
- **Part 2:**
 - **APT's Preliminary Views on WRC-15 Agenda Items**



Part 1:

- **APT Conference Preparatory Group for WRC-15**
- **Process of Developing APT Common Proposals**

APT Conference Preparatory Group for WRC-15



Agenda: draft in WRC Res & final in Council Res

Informal Group
(Structure & Chairmanship)

Proposals
Coordinated
common proposals

Proposals

Member States

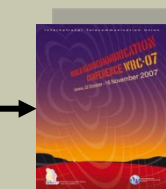
CPM Report



Director's
Report

WRC

Final Acts



Conference
Secretariat
(BR & GS)

Radio
Regulations
(CS89)



APT CONFERENCE PREPARATORY GROUP WRC-15 (APG-15)



- APT's preparatory activities for WRC-15 was started in September 2012 by the 1st Meeting of APT Conference Preparatory Group for WRC-15 (APG15-1) in Da Nang, Socialist Republic of Vietnam
- Chairman: Dr. Alan Jamieson (New Zealand)
- Vice Chairs:
 - Mr. Kavouss Arasteh (Islamic Republic of Iran)
 - Dr. Kyu-Jin Wee (Republic of Korea)
- Editorial Chair: Mr. John Lewis

APT Conference Preparatory Group for WRC-15 (APG-15)



- APG Structure is same as CPM Chapter Structure

WP1:

- Mobile and Amateur Issues: 1.1, 1.2, 1.3 & 1.4
- Chair: Dr. Kyung-Mee Kim (Republic of Korea)

WP2:

- Science Issues: 1.11, 1.12, 1.13 & 1.14
- Chair: Ms. Zhu Keer (People's Republic of China)

WP3:

- Aeronautical, Maritime and Radiolocation Issues: 1.5, 1.15, 1.16, 1.17 & 1.18
- Chair: Mr. Neil Meaney (Australia)

WP4:

- Satellite Services: 1.6, 1.7, 1.8, 1.9.1, 1.9.2 and 1.10
- Chair: Mr. Gao Xiaoyang (People's Republic of China)

WP5:

- Satellite Regulatory Issues: 7, 9.1.1, 9.1.2, 9.1.3; 9.1.5; 9.1.8 & 9.3
- Chair: Mr. Muneo Abe (Japan)

WP6:

- General Issues: 2, 4, 8, 9.1.4, 9.1.6, 9.1.7 & 10
- Mr. Taghi Shafiee (Islamic Republic of Iran)

APT Conference Preparatory Group for WRC-15 (APG-15)



• APG-15 Meeting Schedule and Workplan

Meeting	When & Where	Outputs
APG15-1	10-11 September 2012 Da Nang, Socialist Republic of Vietnam	<ul style="list-style-type: none">• Elected APG-15 Chairman and Vice-Chairmen• Formed the APG-15 Working Parties based on CPM-15 Structure• Appoints of Chairmen for Working Parties• Adoption of Document Approval Procedure• Adoption of the Workplan
APG15-2	01-05 July 2013 Bangkok, Thailand	<ul style="list-style-type: none">• Review the progress of studies in ITU-R Study Groups on WRC-15 Agenda items• Formation of Drafting Groups on WRC-15 Agenda Items• Develop APT's Preliminary Views on WRC-15 Agenda Items based on Member's contribution and study result available at ITU-R Study Groups

APT Conference Preparatory Group for WRC-15 (APG-15)



• APG-15 Meeting Schedule and Workplan

Meeting	When & Where	Outputs
APG15-3	09-13 June 2014 Brisbane, Australia	<ul style="list-style-type: none">• Review the progress of studies in ITU-R Study Groups on WRC-15 Agenda items• Review and update APT's Preliminary Views on WRC-15 Agenda Items based on result of the outcomes of APG15-2, Member's contribution and study result available at ITU-R Study Groups• Develop APT's view on RA-15 related issues
APG15-4	Tentatively Mid January 2015 [People's Republic of China]	<ul style="list-style-type: none">• Develop APT's contribution to CPM15-2• Review the progress of studies in ITU-R Study Groups on WRC-15 Agenda items• Review and update APT's Preliminary Views on WRC-15 Agenda Items based on result of the outcomes of APG15-2, Member's contribution and study result available at ITU-R Study Groups• Develop APT's view on RA-15 related issues

APT Conference Preparatory Group for WRC-15 (APG-15)



• APG-15 Meeting Schedule and Workplan

Meeting	When & Where	Outputs
APG15-5	Tentatively Mid July 2015 Republic of Korea	<ul style="list-style-type: none">• Development of Preliminary APT Common Proposals for RA-15 and WRC-15• Making the arrangements for coordination among APT member countries attending WRC-15

APT Conference Preparatory Group for WRC-15 (APG-15)



- **PROCESS OF DEVELOPING APT COMMON PROPOSALS**
 - In general, for a WRC Preparatory Cycle APT organizes five APG Meetings
 - The meetings developed and updated APT Preliminary Views on WRC Agenda items based on the ITU-R studies available and input contributions from Members
 - At the final preparatory meeting, Preliminary APT Common Proposals (PACP) are developed
 - Two Stage procedures are followed for developing APT Common Proposals

APT Conference Preparatory Group for WRC-15 (APG-15)



● **PROCESS OF DEVELOPING APT COMMON PROPOSALS**

○ **Stage One:**

- ✦ Based on the APT Preliminary Views on Agenda Items Proposals are developed by the WPs at the 5th APG meeting
- ✦ If there is consensus at the Plenary, a proposal becomes a PACP

○ **Stage Two:**

- ✦ All APT Members will be asked to consider inclusion of their country name as a signatory to each PACP
- ✦ A PACP becomes ACP if it is
 - Supported by at least 25% of the APT Members (Administrations)
 - And not opposed by the 50% of the number of Members who support it



Part 2: APT's Preliminary Views on WRC-15 Agenda Items

(Organized in the order of CPM Report Chapters)

APT's Preliminary Views on WRC-15 Agenda Items



Working Party 1

CPM Chapter 1: Mobile and Amateur Issues

Agenda Items: 1.1, 1.2, 1.3 & 1.4

Website: <http://www.apr.int/APG-WP1>

AGENDA ITEM 1.1



- *"to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with **Resolution 233 (WRC-12)**"*
- **APT's Preliminary Views:**
 - APT Members, in principle, support potential additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) in accordance with Resolution **233 (WRC-12)**.
 - While considering potential candidate bands for additional identification for IMT, APT Members support studies, currently being carried out by ITU-R.
 - APT Members are of the view that the ITU-R studies should also take into account;
 - ✦ efficient use of spectrum and resolves of Resolution **233 (WRC-12)**;
 - ✦ the need for harmonization of spectrum bands to facilitate global roaming and to achieve economies of scale for IMT equipment development;
 - ✦ spectrum requirements to address evolving needs, evolving technologies and user demand for IMT and other terrestrial mobile broadband applications as well as other services;
 - ✦ sharing and compatibility issues with other services already having allocations in the potential candidate bands and in adjacent bands considering the current and planned use of these bands by the existing services, as well as the applicable studies already performed in ITU-R for the purpose of identification of the spectrum for IMT with respect to corresponding frequency bands being proposed for study.

AGENDA ITEM 1.2:



- *“to examine the results of ITU-R studies, in accordance with Resolution 232 (WRC-12), on the use of the frequency band 694-790 MHz by the mobile, except aeronautical mobile, service in Region 1 and take the appropriate measures;”*
- **APT’s Preliminary Views:**
 - any possible regulatory actions under WRC-15 Agenda item 1.2 should be limited to Region 1
 - APT members support the studies being conducted in ITU-R in accordance with Resolution **232 (WRC-12)**
 - In the decisions of WRC-15 on Agenda Item 1.2, the integrity of GE-06 Agreement (in relation to I.R Iran)needs to be ensured.
 - no constraint should be caused to services allocated on a primary basis to administrations in Region 3
 - necessary action to be taken with a view to Include the allocation of 694-790MHz referred to in A.I 1.2 in Article 5 of Radio Regulation, as appropriate, based on the result of compatibility and sharing studies together with appropriate regulatory procedures
 - In so doing, global harmonization of the channeling arrangement for the mobile service need to be explored and adopted in the band below 790MHz, ,to the extent feasible, taking into account channeling arrangements in the band 698-806 MHz as contained in Recommendation ITU-R M.1036.
 - It is noted that some parts of "APT preliminary views", above in relation to Region 1 are outside the responsibility of Region 3.

AGENDA ITEM1.3



- *“to review and revise Resolution **646 (Rev.WRC-12)** for broadband public protection and disaster relief (PPDR), in accordance with Resolution **648 (WRC-12).**”*
- **APT’s Preliminary Views:**
 - APT Members support relevant ITU-R studies on broadband PPDR under WRC-15 Agenda item 1.3 in accordance with Resolution 648 (WRC-12).
 - APT Members are encouraged to participate and contribute to relevant on-going studies in ITU-R and AWG with regard to the development of broadband PPDR requirements and WRC-15 Agenda item 1.3.

AGENDA ITEM 1.4



- *to consider possible new allocation to the amateur service on a secondary basis within the band 5 250-5 450 kHz in accordance with Resolution 649 (WRC-12);*
- **APT 's Preliminary Views**
 - APT Members support relevant ITU-R studies on this issue.
 - APT Members are of the view that the protection of the services to which the band is currently allocated and their future development should be ensured, through appropriate technical, operational and regulatory measures, where required. No constraints should also be imposed upon existing services and their future development in the frequency band 5 250-5 450 kHz

APT's Preliminary Views on WRC-15 Agenda Items



Working Party 2

CPM Chapter 2: Science Issues

Agenda Items: 1.11, 1.12, 1.13, 1.14

Website: <http://www.apr.int/APG-WP2>

AGENDA ITEM 1.11



- *“to consider a primary allocation for the Earth exploration-satellite service (Earth-to-space) in the 7-8 GHz range, in accordance with Resolution 650 (WRC-12);*
- **APT’s Preliminary Views:**
 - APT Members support the current sharing studies in the ITU-R in accordance with Resolution 650 (WRC-12) .
 - APT Members are of the view that the band 7 145-7190 MHz (deep-space SRS band) should be excluded for further considerations under this agenda item taking into account the current study results of the ITU-R WP7B.
 - APT Members are also of the view that the existing services in this band should be adequately protected from potential interference due to the possible new allocation to the Earth exploration-satellite service (Earth-to-space), in accordance with resolution 650, and no constraints are placed on these services.

AGENDA ITEM 1.12



- *“to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300-9 900 MHz by up to 600 MHz within the frequency bands 8 700-9 300 MHz and/or 9 900-10 500 MHz, in accordance with Resolution **651 (WRC-12)**;*”
- **APT’s Preliminary Views:**
 - It supports current ITU-R studies concerning the sharing and compatibility issues for the extension of EESS (active) spectrum.
 - Appropriate protection of the existing services currently allocated in the same frequency bands should be ensured according to the Radio Regulations.
 - Protection of services in adjacent frequency bands should be ensured.

AGENDA ITEM 1.13



- *“to review No. 5.268 with a view to examining the possibility for increasing the 5 km distance limitation and allowing space research service (space-to-space) use for proximity operations by space vehicles communicating with an orbiting manned space vehicle, in accordance with Resolution 652 (WRC-12);”*
- **APT’s Preliminary Views:**
 - APT supports ITU-R studies on removal of the 5 km distance limitation from RR No 5.268 which would allow space research service (space-to-space) enhanced flexibility and safety for proximity operations by space vehicles communicating with an orbiting manned space vehicle, on condition that by removal of the distance limitation the current pfd limits included in **RR No. 5.268** be maintained to assure continued protection of the fixed and mobile (except aeronautical) services in the band 410-420 MHz.

AGENDA ITEM 1.14



- *“to consider the feasibility of achieving a continuous reference time-scale, whether by the modification of coordinated universal time (UTC) or some other method, and take appropriate action, in accordance with Resolution **653 (WRC-12)**”*
- **APT’s Preliminary Views:**
 - APT Members are generally supportive of the studies undertaken by ITU-R WP 7A on the feasibility of achieving a continuous reference time scale
 - A continuous reference time scale is beneficial for most users, and an appropriate implementation of continuous international time scale should be developed and agreed by relevant international organizations
 - Considering its wide applications, the redefinition of UTC must be treated with caution

APT's Preliminary Views on WRC-15 Agenda Items



Working Party 3

CPM Chapter 3: Aeronautical, Maritime and Radiolocation Issues

Agenda Items: 1.5, 1.15, 1.16, 1.17 & 1.18

Website: <http://www.apr.int/APG-WP3>

AGENDA ITEM 1.5



- *“to consider the use of frequency bands allocated to the fixed-satellite service not subject to Appendices **30**, **30A** and **30B** for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution **153 (WRC-12)**”*
- **APT’s Preliminary Views:**
 - Support ITU-R studies on measures to allow use of frequency bands allocated to the fixed-satellite service not subject to Appendices **30**, **30A** and **30B** for the control and non-payload communications of unmanned aircraft systems (UAS) in non-segregated airspaces, in accordance with Resolution **153 (WRC 12)**.
 - Satellite command and control links should comply with accepted safety requirements, including ICAO Standards and Recommended Practices (SARPs) when developed.
 - Any regulation modifications relating to UAS operation in FSS bands should not impact existing and future satellite networks of the FSS and other services in the same band.
 - Clear identification of globally harmonized spectrum for UAS CNPC links is preferred so that the current practice of licensing of manned aircraft following the ICAO standards can be extended to unmanned aircraft.

AGENDA ITEM 1.15



- *“to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution 358 (WRC-12)”*
- **APT’s Preliminary Views:**
 - APT supports ITU-R studies on the spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution **358 (WRC-12)**.
 - Possible Methods to address this Agenda item are:
 - ✦ The use of analogue system with 12.5 kHz channel spacing that can double the capacity.
 - ✦ Transition from analogue system to digital system, by using Time Division Multiple Access (TDMA) or Frequency Division Multiple Access (FDMA) that can provide up to 4 times the capacity compared with traditional 25 kHz system.
 - ✦ Continuous Tone-Coded Squelch System (CTCSS) and/or Digital Coded Squelch (DCS) could be used in analogue FM equipment to mitigate co-channel interference.

This may require revision of footnote No. **5.287** and Recommendation ITU-R M.1174-2.
 - No constraints should be placed on the existing analogue on-board communication systems with 25 kHz channel spacing.
 - Studies on sharing and compatibility between on-board UHF communication stations and IMT systems should be taken into consideration if new frequencies are required.

AGENDA ITEM 1.16



- *“to consider regulatory provisions and spectrum allocations to enable possible new Automatic Identification System (AIS) technology applications and possible new applications to improve maritime radiocommunication in accordance with Resolution 360 (WRC-12)”*
- **APT’s Preliminary Views:**
 - Supports ITU-R studies towards new applications using the AIS and enhanced maritime radiocommunications in the maritime mobile service in accordance with Resolution **360 (WRC-12)**.
 - No modifications are required to existing AIS equipment on board existing vessels, but rather allow for new applications using AIS technology to evolve, supported by communication primarily on the new frequencies identified by WRC-12, while protecting the integrity of the original operational purpose of AIS as the primary function on the existing AIS frequencies.
 - That the frequency band identified to VDES should accommodate the expected future AIS VDL loading
 - Supports the frequency bands identified by WRC-12 for digital modulation could be considered as possible candidates for the global and regional channel allocation for VDE

AGENDA ITEM 1.16



- **APT's Preliminary Views:**

- Any new allocation for the future applications, including satellite application, to the frequency bands listed in the Appendix **18** should be based on issued ITU-R Recommendation(s) to contain on gap analysis, sharing and compatibility, experiments and tests, applications, system architecture, characteristics, shipborne equipment standards, performance or managing requirements, etc.
- Transitional arrangements are required to minimize the impact of use of new applications on the existing services using frequencies listed in the Appendix **18**. The VDES equipment should provide backwards compatibility for existing AIS, the installation costs should be minimized and the proper transitional period should be considered.

AGENDA ITEM 1.17



- *“to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance with Resolution **423 (WRC-12)**”*
- **APT’s Preliminary Views:**
 - APT Members supports relevant ITU-R studies on WAIC in accordance with Resolution **423 (WRC-12)**. APT Members are also of the view that the possible introduction of WAIC systems should not cause harmful interference nor constraints to services to which the frequency band is allocated.

AGENDA ITEM 1.18



- *“to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78.0 GHz frequency band in accordance with Resolution **654 (WRC-12)**”*
- **APT’s Preliminary Views:**
 - APT Members support studies in ITU-R in accordance with Resolution **654 (WRC-12)** including sharing studies with services in the band 77.5-78.0 GHz and compatibility studies with services operating in the adjacent bands.

APT's Preliminary Views on WRC-15 Agenda Items



Working Party 4

CPM Chapter 4: Satellite Services

Agenda Items: 1.6, 1.7, 1.8, 1.9.1, 1.9.2 & 1.10

Website: <http://www.apr.int/APG-WP4>

AGENDA ITEM 1.6



- **Agenda Item 1.6.1:** *“to the fixed-satellite service (Earth-to-space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolution **151 (WRC-12)**”*
- **APT ‘s Preliminary Views:**
 - APT Members support ITU-R to conduct studies on Agenda Item **1.6.1** in accordance with Resolutions **151 (WRC-12)**, while ensuring protection of existing primary services in the band(s).
 - APT Members are of the view that, if consideration is given to use of the 14.5-14.8 GHz band, there is a need to take appropriate measures to ensure the integrity and adequate protection of the AP30A Plan and List from any new fixed-satellite service utilization of the bands.
 - APT Members are of the view that, the bands 10.6-10.7 GHz and 13.25-13.75 GHz should be excluded from the candidate bands under Agenda item **1.6.1** to protect the EESS (passive) and EESS (active) respectively.

AGENDA ITEM 1.6



- **Agenda Item 1.6.2:** *“to the fixed-satellite service (Earth-to-space) of 250 MHz in Region 2 and 300 MHz in Region 3 within the range 13-17 GHz; and review the regulatory provisions on the current allocations to the fixed-satellite service within each range, taking into account the results of ITU-R studies, in accordance with Resolution **152 (WRC-12)**”*
- **APT’s Preliminary Views**
 - APT Members support ITU-R to conduct studies on Agenda Item **1.6.2** in accordance with Resolutions **152 (WRC-12)**, while ensuring protection of existing primary services in the band(s).
 - APT Members are of the view that, if consideration is given to use of the 14.5-14.8 GHz band, there is a necessity to take appropriate measures to ensure the integrity and adequate protection of the AP30A Plan and List from any new fixed-satellite service utilization of the bands.
 - APT Members are of the view that, the band 13.25-13.75 GHz should be excluded from the candidate bands under Agenda item **1.6.2** to protect the EESS (active).

AGENDA ITEM 1.7



- *“to review the use of the band 5 091-5 150 MHz by the fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in accordance with Resolution **114 (Rev.WRC-12)**”*
- **APT’s Preliminary Views:**
 - APT Members support studies of the ITU-R on compatibility between aeronautical radionavigation service and fixed-satellite service (Earth-to-space) (limited to feeder links of the non-geostationary mobile-satellite systems in the mobile-satellite service) in the frequency band 5 091-5 150 MHz with a view to consider, if appropriate, the removal of the date limitations on the FSS.
 - APT Members are also encouraged to actively participate in the relevant ITU-R studies.

AGENDA ITEM 1.8



- *“to review the provisions relating to Earth Stations located on board Vessels (ESVs), based on studies conducted in accordance with Resolution **909 (WRC-12)**;”*
- **APT’s Preliminary Views**
 - APT Members are of the view that there should be a review of results from previous ITU-R studies taking into account all relevant prevailing factors that were not considered when the studies were carried out. Such a review should also take into account the protection of the terrestrial services in accordance with the Resolution **909 (WRC-12)** to enable administrations to decide on the potential for possible relaxation of the current restrictions applying to ESVs.

AGENDA ITEM 1.9.1



- *“to consider, in accordance with Resolution **758 (WRC-12)**, possible new allocations to the fixed-satellite service in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), subject to appropriate sharing conditions;”*
- **APT’s Preliminary Views:**
 - APT Members support technical and regulatory studies in ITU-R on the possible new allocations to the fixed-satellite service (FSS) in the frequency bands 7 150-7 250 MHz (space-to-Earth) and 8 400-8 500 MHz (Earth-to-space), ensuring sharing and compatibility with existing services
 - APT Members also have a view that the possible new allocation should be limited to FSS systems not including small VSAT-like FSS earth stations in order to enable appropriate compatibility with systems of other services

AGENDA ITEM 1.9.2



- *“to consider, in accordance with Resolution **758 (WRC12)**: the possibility of allocating the bands 7 375-7 750 MHz and 8 025-8 400 MHz to the maritime-mobile satellite service and additional regulatory measures, depending on the results of appropriate studies”*
- **APT’s Preliminary Views:**
 - APT members support the ITU-R technical and regulatory studies for possible new allocations of maritime-mobile satellite service (MMSS) in the 7/8 GHz bands, while ensuring compatibility with existing services and their future development in these bands and no undue constraints should be placed on existing services.
 - APT members are also of the view that the pfd limits for a space station of FSS in the band 7 375-7 750 MHz (space-to-Earth) shown in Table **21-4** of Article **21** of the Radio Regulations could also be applicable to a space station of MMSS. This would be the case if ITU-R studies indicate that the interference level from a space station in MMSS into a station in terrestrial services does not exceed that from a space station in FSS into a terrestrial station.

AGENDA ITEM 1.10



- *“to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution **234 (WRC-12)**”*
- **APT’s Preliminary Views:**
 - The APT Members are of the view that the frequency requirements for the 22-26 GHz band should be clearly identified for the potential MSS allocation taking into account current allocations for MSS above 19 GHz. The requirements and additional allocations should be based on the compatibility studies in order to adequately protect the existing services and their future developments.

APT's Preliminary Views on WRC-15 Agenda Items



Working Party 5

CPM Chapter 5: Satellite Regulatory Issues

Agenda Items: 7, 9.1.1, 9.1.2, 9.1.3, 9.1.5, 9.1.8 & 9.3

Website: <http://www.apr.int/APG-WP5>

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)** to facilitate rational, efficient, and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;”*

- **APT Preliminary Views:**
 - **General Consideration:**
 - Further studies and considerations are required on this issue. APT members are invited to contribute updated views at the next APG meeting.
 - **Issue A: Possible exemption of cost recovery fee for satellite filing submitted in accordance with RR No. 9.58**
 - It was confirmed that exemption of cost recovery charges is the responsibility of the Council. Therefore this proposal should be brought to the Council for their considerations. China invited APT Members to further consider this issue for appropriate actions in the Council.

AGENDA ITEM 7



- **Issue B: Removal of remarks of the administrations whose assignments are the basis of unfavorable finding when the new assignments, entered the MIFR under 11.41, has coexisted with the former assignments for a period of time [e.g. 3 years] without report of harmful interference**
 - The issue concerning RR No.11.41 needs careful study and considered and the example provision 11.41X in APG15-3/INP-48 may serve as a start point for further discussion
- **Issue C: Application of RR AP30B No. 6.29 (elimination of harmful interference of frequency assignments)**
 - Considering this is new issue, further studies are required. APT members are invited to consider this issue and submit their contributions in future meetings
- **Issue D: Suspension of use of frequency assignments to satellite networks submitted under Appendix 30B**
 - Considering this is new issue, further studies are required. APT members are invited to consider this issue and submit their contributions in future meetings.

AGENDA ITEM 9.1



- *“to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12;”*
- **APT’s Preliminary Views:**
 - **Issue 9.1.1: Resolution 205 (Rev.WRC-12) - Protection of the systems operating in the mobile- satellite service in the band 406-406.1 MHz**
 - ✦ Further studies are required on this issue. APT members are encouraged to monitor and evaluate the studies conducted in ITU-R and submit their contributions for further considerations in future meetings. All incumbent services to which the relevant bands are allocated should be protected for existing and planned assignments.

AGENDA ITEM 9.1



- **APT's Preliminary Views:**

- **Issue 9.1.2:** *Resolution 756 (WRC-12) - Studies on possible reduction of the coordination arc and technical criteria used in application of No. 9.41 in respect of coordination under No. 9.7*
 - ❖ APT supports the continuing studies within the ITU-R on the possible reduction of the size of the coordination arc used in application of No. **9.7**, and a review of technical criteria used in application of No. **9.41** which is directly related, in accordance with Resolution **756 (WRC-12)**.
- **Issue 9.1.3:** *Resolution 11 (WRC-12) - Use of satellite orbital positions and associated frequency spectrum to deliver international public telecommunication services in developing countries*
 - Further studies are required. APT members are encouraged to monitor and evaluate the studies conducted in ITU-R and submit their contributions for further considerations in the next meetings.

AGENDA ITEM 9.1



- **APT's Preliminary Views:**

- **Issue 9.1.8:** *Resolution 757 (WRC-12) - Regulatory aspects for nano- and picosatellites*
 - ❖ APT Members support the study to examine the necessary procedures for notifying nano- and picosatellites taking into account their unique characteristics while ensuring the protection of existing allocated services and existing and future radio stations operated in accordance with the RR and avoiding inconsistencies with other provisions of the RR. APT members are encouraged to monitor the study progress in ITU-R, carry out necessary studies and submit their contributions for further considerations in the next meetings.

APT's Preliminary Views on WRC-15 Agenda Items



Working Party 6

CPM Chapter 6: General Issues

Agenda Items: 2, 4, 8, 9.1.4, 9.1.6, 9.1.7, 10

Website: <http://www.apr.int/APG-WP6>

AGENDA ITEM 2



- *“to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution **28 (Rev.WRC-03)**, and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in Annex 1 to Resolution **27 (Rev.WRC-12)**;”*
- **APT’s Preliminary Views:**
 - APT Members are urged to use the basic concepts and processes presented in Resolutions **27 (Rev.WRC-12)** and Resolution **28 (Rev.WRC-03)** to develop their proposals for consideration by future APG meetings.

AGENDA ITEM 4



- *“in accordance with Resolution **95 (Rev.WRC-07)**, to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;”*
- **APT’s Preliminary Views:**
 - APT Members are encouraged to review Resolutions and Recommendations of the previous conferences in accordance with Resolution **95 (Rev.WRC-07)** with a view to developing regional positions in APG15

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-07);”*
- **APT’s Preliminary Views:**
 - APT Members are encouraged to review their footnotes and to propose, as soon as possible, the deletion of their country names or the deletion of country footnotes, if no longer required in accordance with the concepts and the processes presented in Resolution 26 (Rev.WRC-07)

AGENDA ITEM 9.1



- *“to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention on the activities of the Radiocommunication Sector since WRC-12;”*
- **APT’s Preliminary Views**
 - **Issue 9.1.4: *Updating and rearrangement of the Radio Regulations***
 - ✦ APT Members are invited to follow the ITU-R studies on this issue. However, APT Members are of the view that revision of the Radio Regulations should not lead to any difficulty in the interpretation and its implementation.
 - **Issue 9.1.6: *Resolution 957 (WRC-12): Studies towards review of the definitions of fixed service, fixed station and mobile station***
 - ✦ APT Members are of the view that there is no need to modify the existing definitions of fixed service, fixed station and mobile station. Furthermore APT Members are also of the view that any modification to Article 1 should not impact existing allocations to radiocommunication services.

AGENDA ITEM 9.1



- **APT's Preliminary Views**

- **Issue 9.1.7: Resolution 647 (Rev.WRC-12): Spectrum management guidelines for emergency and disaster relief radiocommunication**
 - ✦ The APT Members are invited to communicate to the BR, as soon as possible, the frequencies available for use in emergency and disaster relief, as well as to contribute to the studies and review the result of those studies on this issue in their preparations for the Conference.

AGENDA ITEM 10



- *“to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention;”*
- **APT’s Preliminary Views**
 - APT Members are invited to examine the proposed Agenda items within the Resolution **808 (WRC-12)**. APT Members are also invited to provide new items for inclusion to agenda of WRC-18, taking into account the principles described in Resolution **804 (WRC-12)** and using the template annexed to the Resolution.

CONTACT FOR APG



- For any information about APG please contact:
 - Mr. Forhadul Parvez, Project Coordinator (Radiocommunication)
 - Email: parvez@apt.int
 - Phone: +6625730044 (Ext.117)
 - APG Webpage: <http://www.apt.int/APTAPG>
 - Proposals and relevant documents are available on the webpage



APG Documents and Preliminary views are available at: www.apg.int/APTAPG

THANK YOU!