|  |  |  |  |
| --- | --- | --- | --- |
| APTlogogreen3 | ASIA-PACIFIC TELECOMMUNITY |  |  |
| **APT Conference Preparatory Group for WRC-15 (APG-15)** |  |
|  |  |

Date: 05 November 2015

**APT Coordination Meetings during WRC-15**

**COMPILED REPORT OF THE AGENDA ITEM COORDINATORS**

|  |
| --- |
| **Agenda Item No.**: 1.1 |
| **Name of the Coordinator ( with Email)**:Zhu Yutao (zhuyutao@caict.ac.cn) |
| **Issues:**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 Proposals**:[Addendum 1](https://www.itu.int/md/dologin_md.asp?lang=en&id=R15-WRC15-C-0032!A1!MSW-E) to Document [R15-WRC15-C-0032](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WRC15-C-0032)APT common proposals for WRC-15 agenda item 1.1 are as follows:– APT supports additional identification of IMT for the following frequency bands under this agenda item:• 1 427-1 452 MHz, and 1 492-1 518 MHz.– APT supports Method A (NOC to the ITU Radio Regulations) for the following frequency bands under this agenda item:• 470-694/698 MHz, 1 350-1 400 MHz, 1 518-1 525 MHz, 1 695-1 710 MHz, 2 700-2 900 MHz, 3 400-3 600 MHz, 3 600‑3 700 MHz, 3 700-3 800 MHz, 3 800-4 200 MHz, 4 500‑4 800 MHz, 5 350-5 470 MHz, 5 725‑5 850 MHz, and 5 925‑6 425 MHz.– APT does not provide common proposals for the following frequency bands under this agenda item:• 1 452-1 492 MHz, 3 300-3 400 MHz, 4 400-4 500 MHz, and 4 800-4 990 MHz. |
| **Status of the APT Proposals:**The input contribution of APT for WRC-15 agenda item 1.1 was presented at the second SWG 4C1-AI1.1 meeting on 14:00 November 4, 2015. |
| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:SWG 4C1-AI1.1 considered the working method at its third meeting, it was agreed to establish two drafting groups:* DG 4C1a for 3 400-3 800MHz
* DG 4C1b for 1 427-1 518MHz

There were extensive discussions on whether to establish Drafting Group for 470-694/698MHz band. As no consensus was reached at the SWG meeting. The chairman of SWG 4C1-AI1.1 will consult this issue with the WG 4C chairman. |

|  |
| --- |
| **Agenda Item No.**:1.3 (PPDR) |
| **Name of the Coordinator ( with Email)**:Bharat Bhatia (Singapore) |
| **Issues: Review and Revise Resolution 646 to meet the needs of broadband PPDR** |
| **APT Proposals**:APT common proposal Document 32 A3 includes * Additions and modifications to *considerings*
* Additions and modifications to *recognisings*
* Additions and modifications to *notings*
* Additions and modifications to *emphasing*
* Additions and modifications to *resolves*
* Additions and modifications to *invites ITU-R*
* Proposal for a global tuning range of 698-894 MHz
 |
| **Status of the APT Proposals:**The contribution was allocated to COM 4 SWG 4C3 and has been presented in the first meeting of the SWG. The discussions are yet to start. |
| **Issues to be discussed at the Coordination Meeting:****NONE** |
| **Comments/Remarks by the Coordinator**: |

|  |
| --- |
| **Agenda Item No.**1.4 |
| **Name of the Coordinator ( with Email)**:Mr. Nguyen Anh Tuan (natuan@rfd.gov.vn) |
| **Issues:**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 Proposals**: None |
| **Status of the APT Proposals:** |
| **Issues to be discussed at the Coordination Meeting:****None** |
| **Comments/Remarks by the Coordinator**:* Some countries oppose any additional secondary allocation to the amateur service within the band 5 250-5 450 kHz because of interference issue.
* Some countries support a portion of the 5250-5450kHz band allocated for amateur service
* SWG is considering 02 options:
* Option A is no change in the frequency band 5 250-5 450 kHz.
* Option B is an allocation of [100] [50] [15] kHz to the amateur service on a secondary basis in the band 5 250-5 450 kHz. The max e.i.r.p of station in amateur service using this band shall not exceed [100] [30] [3] W
 |
|  |

|  |
| --- |
| **Agenda Item No.**: 1.6  |
| **Name of the Coordinator ( with Email)**: Ms. Vicky, Wing Kei Wong (China) vwong@asiasat.com; Ms. Onanong Petnim (Thailand) onanongp@thaicom.net  |
| **Issues:**to consider possible additional primary allocations: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;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 Resolutions **151 (WRC‑12)** and **152 (WRC‑12)**, respectively; |
| **APT Proposals**:1.6.1:* APT Members support no change (NOC) method in the frequency bands 10-10.68 GHz, 13.25-13.4 and 14.8-17 GHz due to incompatibility with existing services.
* APT Members do not support the additional allocation to the FSS (Earth-to-space) in Region 1 in the frequency band 13.4-13.75 GHz due to incompatibility with existing services.
* APT Members do not support the additional allocation to the FSS (space-to-Earth) in Region 1 in the frequency band 14.5-14.8 GHz due to incompatibility with existing services.
* APT Members support to make an additional allocation of 250 MHz to the FSS (space-to-Earth) in Region 1 in the frequency band 13.4-13.65 GHz.

1.6.2:* APT Members support the no change (NOC) method in the frequency bands 13.25-13.4 GHz and 14.8-17 GHz due to incompatibility with existing services.
 |
| **Status of the APT Proposals:**Update on 5-Nov-2015 11AM: The APT Proposal was presented on 4-Nov-2015. 1.6.1:* APT Members support no change (NOC) method in the frequency bands 10-10.68 GHz, 13.25-13.4 and 14.8-17 GHz due to incompatibility with existing services.
* APT Members do not support the additional allocation to the FSS (Earth-to-space) in Region 1 in the frequency band 13.4-13.75 GHz due to incompatibility with existing services.
* APT Members do not support the additional allocation to the FSS (space-to-Earth) in Region 1 in the frequency band 14.5-14.8 GHz due to incompatibility with existing services.

**Status of the above three proposals:** The proposals are in line with all other proposals submitted to the conference. The SWG5B1 chairman considered those bands as no support and will prepare the output for that accordingly. * APT Members support to make an additional allocation of 250 MHz to the FSS (space-to-Earth) in Region 1 in the frequency band 13.4-13.65 GHz.

**Status of the above proposal:** There is a lot of support and no opposition in making an additional allocation of 250MHz to the FSS (space-to-Earth) in Region 1 in the frequency band 13.4-13.65 GHz, the exact condition will be further discussed in the drafting group DG5B1a. 1.6.2:* APT Members support the no change (NOC) method in the frequency bands 13.25-13.4 GHz and 14.8-17 GHz due to incompatibility with existing services.

**Status of the above proposal:** The proposals are in line with all other proposals submitted to the conference. The SWG5B1 chairman considered those bands as no support and will prepare the output for that accordingly.  |
| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:Update on 4-Nov-2015 11AM: The first meeting for SWG5B1 (AI.1.6) will take place in the afternoon, some observations based on the input to the conference:1.6.1:* The APT proposals are highly in line with the proposal from other countries.
* Regarding the APT proposal on additional allocation of 250 MHz to the FSS (space-to-Earth) in Region 1 in the frequency band 13.4-13.65 GHz, there is general consensus from the input contributions that such additional allocation could be made, but the exact condition would be further discussed in the meeting.
* The major debate is expected to be in where there is no APT proposal, in particular the potential opening up 250 MHz in Region 1 for uplink FSS within the band 14.5-14.8 GHz.

1.6.2:* The APT proposals are highly in line with the proposal from other countries, APT support the no change (NOC) method in the frequency bands 13.25-13.4 GHz and 14.8-17 GHz and there is simply no proposal to the conference which suggest to make changes on that two bands under AI 1.6.2.
* The major debate is expected to be in where there is no APT proposal, in particular the potential opening up 250 MHz in Region 2 and 300 MHz in Region 3 for uplink FSS within the band 14.5-14.8 GHz.

Update on 5-Nov-2015 11AM: Two drafting groups (DG 5B1a and DG5B1b) were established:* DG5B1a will discuss the band 13.4-13.65/13.75GHz, the first meeting is scheduled on 5-Nov-2015 15:40. The plan is to discuss the downlink allocation for Region 1 first.
* DG5B1b will discuss the band 14.5-14.8GHz for FSS (Earth-to-space), the first meeting is expected to be scheduled on next Monday.
 |

|  |
| --- |
| **Agenda Item No.**: 1.7to 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); |
| **Name of the Coordinator ( with Email)**: Nguyen Huy Cuong cuongnh@rfd.gov.vn |
| **Issues:**One method is outlined in the CPM Report to WRC-15. The Method proposes the suppression of the time limitations in footnote No.5.444A, while continuing to protect the operation of the international standard MLS as well as providing some improved flexibility for AM(R)S services in the band.Modification: Table of Frequency Allocations, footnote No.5.444A with removal of time limitation for FSSModification: APPENDIX 7, RESOLUTION 114, RESOLUTION 748 |
| **APT Proposals**:APT Members support the Method in the CPM Report to WRC-15 to fully satisfy this agenda item |
| **Status of the APT Proposals:**There are 11 contributions to the meeting regarding AI 1.7.APT Proposals was presented at the SUB-WORKING GROUP 5B2 (A.I. 1.7) meeting. |
| **Issues to be discussed at the Coordination Meeting:**The SUB-WORKING GROUP meeting met twice.There are two options for modification of footnote 5.444A. One is supported by Regionals as the same modified text in the CPM report and the other is proposed by Cuba. The SUB-WORKING GROUP meeting agreed to chose the option of the modification of footnote No. 5.444A as the same text in CPM report.Regarding ANRS (note 2) in table 10 of annex 7 of Appendix 7, the final decision will decided after consultation with BR.Other modifications are agreed as the same text in the CPM Report and updated revision ITU‑R P.526‑13 (the revised ITU-R Recommendations incorporated by reference)  |
| **Comments/Remarks by the Coordinator**:The SUB-WORKING GROUP meeting completed the task. The output document will be submitted to the working group 5B for its consideration. The output document will be uploaded on the share folder. |

|  |
| --- |
| **Agenda Item No.**: 1.8 (ESVs) |
| **Name of the Coordinator (with Email)**: AI 1.8 Mr. Paddy Costanzo (Australia)pc@cgpsols.com Mr. Iraj Mokarrami (Iran) irajmokarrami@yahoo.com |
| **Issues:** to review the provisions relating to earth stations located on board vessels (ESVs), based on studies conducted in accordance with Resolution **909 (WRC‑12);** Resolution **909 (WRC‑12)**: Provisions relating to earth stations located on board vessels which operate in fixed-satellite service networks in the uplink bands 5 925-6 425 MHz and 14-14.5 GHz |
| **APT Proposals**: APT Members support no change to the Radio Regulations, Resolution 902 (WRC-03) and the suppression of Resolution 909 (WRC-12).  |
| **Status of the APT Proposals:**The contribution was allocated to COM 5 SWG 5C1. Discussion commenced on 4 November and it became clear that consensus was going to be as elusive as it has been throughout the study period. |
| **Issues to be discussed at the Coordination Meeting:**Informal meetings are taking place to determine whether consensus is possible. One suggested approach is to maintain NOC for C-band ESVs and allow relaxed limits for Ku-band ESVs following either Methods C or D.  |
| **Comments/Remarks by the Coordinator**:The Coordination meeting will need to determine whether such a compromise is acceptable given the APT view in support of NOC. |

|  |
| --- |
| **Agenda Item No.**: 1.9.1 |
| **Name of the Coordinator (with Email)**: Hwangjae Rhee (rhee@msip.go.kr) |
| **Issues:** in accordance with Resolution **758 (WRC‑12)**, consider 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 Proposals**: APT members support Method C, no change to the Radio Regulations, in the CPM Report to WRC‑15, concerning 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) in accordance with Resolution 758 (WRC‑12). |
| **Status of the APT Proposals:** The PACP on AI 1.9.1 was presented in its first meeting of SWG 5B3 on Tuesday, Nov. 03, 2015. Twelve contributions from Regional Groups and Member States were presented including that of APT. NoC to the Radio Regulations was supported except CEPT.There were some discussions of the sharing issues with respect to FS and SRS, and further discussions would be expected. |
| **Issues to be discussed at the Coordination Meeting: -** |
| **Comments/Remarks by the Coordinator**: - |

|  |
| --- |
| **Agenda Item No.**: 1.9.2 |
| **Name of the Coordinator ( with Email)**: DAE SUB OH (trap@etri.re.kr) |
| **Issues:*** New allocation to MMSS (space-to-Earth) in the band 7 373 – 7 750 MHz.
* New allocation to MMSS (Earth-to-Space) in the band 8 025 – 8 400 MHz.
 |
| **APT Proposals**:* Opposition to new allocation to MMSS (Earth-to-space) in the band 8 025 – 8 400 MHz
* Suppression of the Resolution 758
 |
| **Status of the APT Proposals:*** Proposals are under consideration.
* It would not be difficult to reflect the APT proposals.
* Discussion on the MMSS downlink in 7 GHz with respect to protecting the existing services including FS.
* Discussion on the usage of the asymmetric bandwidths for MMSS uplink and downlink
 |
| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:N/A |

|  |
| --- |
| **Agenda Item No.**: 1.10 |
| **Name of the Coordinator ( with Email)**:Yuan Jun (castyuanjun@sina.com) |
| **Issues:**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 Proposals**:APT common proposals for WRC-15 agenda item 1.10 are as follows:– APT Members support Method A of the CPM Report (i.e. No Change), which also includes the suppression of Resolution 234 (WRC-12) as a consequence. |
| **Status of the APT Proposals:**The contribution has been presented in the first meeting in 4th Nov, 2015. UAE and Russia support new allocations to MSS. Other administrations and organizations agree no change to the allocation, which is the method A in CPM report. The technical discussion is still an open issue. Solutions are to be determined to go forward.  |
| **Issues to be discussed at the Coordination Meeting:** |
| **Comments/Remarks by the Coordinator**: |

|  |
| --- |
| **Agenda Item No.**: AI 1.11 |
| **Name of the Coordinator ( with Email)**:Mr. YANG Huiqin (China) yanghuiqin@bittt.cn yanghuiqin@bittt.cn |
| **Issues:**1.11to 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 Proposals**:**MOD ASP/32A11/2****5.459** *Additional allocation:*in the Russian Federation, the frequency bands 7 100-7 155 MHz and 7 190-7 235 MHz are also allocated to the space operation service (Earth-to-space) on a primary basis, subject to agreement obtained under No. **9.21**. In the frequency band 7 190-7 235 MHz, No. **9.21** with respect to the Earth exploration-satellite service (Earth-to-space) does not apply. (WRC-15)**MOD ASP/32A11/3****5.460** No emissions to spacecraft operating in deep space shall be effected in the frequency band 7 190-7 235 MHz. Geostationary satellites in the space research service operating in the frequency band 7 190-7 235 MHz shall not claim protection from existing and future stations of the fixed and mobile services and No. **5.43A** does not apply. (WRC-15)**ADD ASP/32A11/4****5.A111** The use of the frequency band 7 190-7 250 MHz by the Earth exploration-satellite service shall be limited to tracking, telemetry and command for the operation of the spacecraft, and that Earth exploration-satellite service geostationary satellites in this frequency band shall not claim protection from existing and future stations of the fixed and mobile services, and No. **5.43A** does not apply. (WRC-15)**ADD ASP/32A11/5****5.B111** Space stations in the Earth exploration-satellite service (Earth-to-space) operating in the geostationary-satellite orbit shall not claim protection from emissions from the space research service in the frequency band 7 190-7 235 MHz. (WRC-15) |
| **Status of the APT Proposals:****MOD ASP/32A11/2****5.459** *Additional allocation:* in the Russian Federation, the frequencybands 7 100-7 155 MHz and 7 190-7 235 MHz are also allocated to thespace operation service (Earth-to-space) on a primary basis, subject toagreement obtained under No. **9.21**. [In the frequency band 7 190-7 235 MHz, with respect to the Earth exploration-satellite service (Earth-tospace), No. **9.21** does not apply. (WRC-15)]**MOD ASP/32A11/3****5.460** No emissions from space research service (Earth-to-space) systemsintended for deep space shall be effected in the frequency band 7 190-7 235 MHz. Geostationary satellites in the space research service operatingin the frequency band 7 190-7 235 MHz shall not claim protection fromexisting and future stations of the fixed and mobile services and No. **5.43A**does not apply. (WRC-15)**ADD ASP/32A11/4****5.A111** The use of the band 7 190-7 250 MHz (Earth-to-space) by the Earthexploration-satellite service shall be limited to tracking, telemetry andcommand for the operation of spacecraft and [is subject to agreementobtained under No. **9.21** with respect to the space operation service in theband 7 190 – 7 235 MHz].Space stations [on the geostationary orbit operating] in the Earthexploration-satellite service (Earth-to-space) operating in the frequency band7 190-7 250 MHz shall not claim protection from existing and future stationsin the fixed and mobile services and No. **5.43A** does not apply. (WRC-15)**ADD ASP/32A11/5****[5.B111** Space stations on the geostationary orbit operating in the Earthexploration-satellite service (Earth-to-space) in the frequency band 7 190-7 235 MHz shall not claim protection from existing and future stations of thespace research service and No. **5.43A** does not apply. (WRC-15)] |
| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:There are two meetings for AI 1.11 respectively on Tuesday and Wednesday. The results discussed at the meeting are basically consistent with the APT proposals and there are some modifications on the text. |

|  |
| --- |
| **Agenda Item No.**: 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)**; |
| **Name of the Coordinator (with Email)**: Dave Kershaw (dave.kershaw@dkconsulting.co.nz) |
| **Issues:**Four methods have been identified to address the agenda item. Contributions show a range of views, largely in relation to Methods A & B, with some support also for Method D. One contribution supports Method C as an alternative to the preferred Method D |
| **APT Proposals**:* They support an extension of EESS (active) by up to 600 MHz within the frequency ranges 9 200-9 300 MHz and 9 900-10 400 MHz preferably on a primary basis.
* Extension bands may only be used for those EESS (active) systems requiring more than 600 MHz where their operation that cannot be accommodated in the existing frequency band 9 300-9 900 MHz.
* Appropriate protection of the existing services currently allocated in the same frequency bands, especially the radiodetermination service and the fixed service, should be ensured according to the Radio Regulations.
* No harmful interference should be caused to the SRS in the adjacent frequency band 8 400‑8 500 MHz and the RAS and EESS (passive) in the frequency band 10.6-10.7 GHz.
* Development of existing services should not be constrained by the EESS (active) allocation.
* The protection of FS stations should be ensured through a provision in the RR with a pfd hard limit.

APT Members support Method B2 of the CPM Report. |
| **Status of the APT Proposals:**Documents have been introduced. * During introduction of the documents ECOWAS countries noted that their multi-country contribution was inaccurate and they are looking to present a different view than the one expressed initially in their contribution.

A combined document has been presented to the meeting and drafting has commenced.Discussion in the latest session (9.00am, 4 Nov) focused on:* drafting relating to possible footnotes; and
* the band 9 900-10 000 GHz
	+ secondary vs primary and whether to apply footnotes
 |
| **Issues to be discussed at the Coordination Meeting:**No issues require discussion at this stage. |
| **Comments/Remarks by the Coordinator**:No comments. |

|  |
| --- |
| **Agenda Item No.**: 1.13 |
| **Name of the Coordinator (with Email)**: Kevin Knights (Australia).Kevin.Knights@csiro.au |
| **Issues:** *Review of RR No. 5.268 space research service*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 Proposals**:APT Members agree with the single Method and propose that RR No. 5.268 be modified to remove the 5 km distance limitation and not solely limit the use of the band for extra-vehicular activities.Suppression of Resolution 652 (WRC-12) - **Use of the band 410-420 MHz by the space research service (space-to-space)** - as it is no longer required |
| **Status of the APT Proposals:**Agenda item 1.13 (under Committee 5) was assigned to Working Group 5A (Space Science) to be dealt with at WG 5A plenary level. The 9 input contributions (including the APT input) all supported the single CPM method, and the text in all contained only minor variations from the CPM report to WRC-15. Based on the consensus in all of the input documents, the WG 5A Chairman (Mr. John Zuzek, USA) proposed at the first WG5A plenary meeting held at 5pm on Monday 2nd November that he would draft a final proposal for approval at Committee 5 level. No objections were received at the WG5A meeting to this proposal. The draft proposal containing the single method was presented for approval at the Committee 5 meeting that commenced at 10.40am on Wed 4th November. The Committee 5 meeting adopted the draft A.I. 1.13 Document (Doc #159) with minor editorial changes and it will next be submitted to WRC Plenary level for approval. |
| **Issues to be discussed at the Coordination Meeting:**None. |
| **Comments/Remarks by the Coordinator**:Approval of the single method document was obtained at today’s (Wed Nov 4th) COM 5 meeting, and is also expected at WRC-15 plenary later in the week. Fully in alignment with APT objectives. |

|  |
| --- |
| **Agenda Item No.1.14**: |
| **Name of the Coordinator ( with Email)**: Chunhao Han (hch203@163.com) |
| **Issues:**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 Proposals**:Position of APT on agenda item 1.14– APT Members support Method A1 of the CPM Report to WRC-15.– APT Members support the modifications to Radio Regulations in accordance with section 2/1.14/5.1.1 of the CPM Report corresponding to Method A1.– To allow for an adequate period of time for legacy systems reliant on the use of leap seconds to adapt to the change in UTC, the application of the suppression of leap second adjustments to UTC will be effective no less than five years after the date of entry into force of the Final Acts of the WRC-15. |
| **Status of the APT Proposals:**There have held 4 session meetings up to now for this agenda item. The advantages and disadvantages of the insertion of leap seconds in UTC, the traceability and realization of time scales, the methods for achieving a continuous time scale are under discussions. There still have significant difference of viewpoints at the SWG level. Based on the input documents and discussions, the Radio Regulations and the relevant article were amended, corresponding to Method A1, in yesterday session meeting chaired by M. Vincent.   |
| **Issues to be discussed at the Coordination Meeting:****None** |
| **Comments/Remarks by the Coordinator**:The session meeting will continue this afternoon at 14:00 in Room A, Tower. It is scheduled to finish the work of SWG5A a.i 1.14 on Fri 13th November. |

|  |
| --- |
| **Agenda Item No.**: 1.15 |
| **Name of the Coordinator ( with Email)**: BUI Ha Long (email: longbh@rfd.gov.vn) |
| **Issues:** to consider spectrum demands for on-board communication stations in the maritime mobile service in accordance with Resolution **358 (WRC‑12)**;Resolution **358 (WRC‑12)**: Consideration of improvement and expansion of on-board communication stations in the maritime mobile service in the UHF bands |
| **APT Proposals**:**Relevant documents:** C/32-Add15, C/156The APT Members support the single method to satisfy the Agenda item 1.15 of the CPM Report to the WRC-15.The APT Members support the incorporation in the Radio Regulations of provisions to enable more effective use of the existing allocation for on-board communication stations in the maritime mobile service.The APT Members consider that the application of efficient spectrum utilization methods, such as 12.5 kHz and/or 6.25 kHz channel spacing, and use of digital modulation techniques are sufficient to avoid the possible congestion of on-board communication channels, in which case the technical characteristics of on-board communication equipment with differing channel spacing, and the channel numbering, must be in conformity with Recommendation ITU-R M.1174-3.It is proposed that No. 5.287 be amended accordingly and that Resolution 358 (WRC-12) be abrogated, in accordance with the single Method in the CPM Report.Proposal on modification of footnote 5.287:5.287 Use of the frequency bands 457.5125-457.5875 MHz and 467.5125-467.5875 MHz by the maritime mobile service is limited to on-board communication stations. The characteristics of the equipment and the channelling arrangement shallbe in conformity withRecommendation ITU‑R M.1174‑3. The use of these frequency bands in territorial waters mayi also be subject to the national regulations of the administration concerned.     (WRC‑15) |
| **Status of the APT Proposals:**The chairman of WG4B decided to consider AI 1.15 at his level, that mean no SWG for this AI, and it required only 1 session to introduce all the input documents as well as develop the output material. At the 2nd meeting of Committee 4 held today 4th Nov, document 156 which contained the output of AI 1.15 proposed by WG4B, was reviewed for approval. It was approved with 2 modifications to the footnote 5.287 compare to the text from CPM report. The phrase “shall be in conformity with” is changed to “shall be in accordance with” and “may also be subject to” is changed to “is subject to” appear in 3rd and 4th sentences accordingly.These changes could make the footnote 5.287 more beautiful and it seem that the text pleased all APT delegates who attend the meeting. The AI 1.15 coordinator hopes that document 156 will be approved in the next plenary. |
| **Issues to be discussed at the Coordination Meeting:**None |
| **Comments/Remarks by the Coordinator**:The APT coordinator for AI 1.15 would like to express his appreciation to all the APT members who have cooperatively participated in the WG4B meeting. |

|  |
| --- |
| **Agenda Item No.**: 1.16 |
| **Name of the Coordinator ( with Email)**:HUANG Jia (CHN), ferrero.huang@srrc.org.cn |
| **Issues:**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 Proposals**: [Addendum 16](https://www.itu.int/md/dologin_md.asp?lang=en&id=R15-WRC15-C-0032!A16!MSW-E) to Document [R15-WRC15-C-0032](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WRC15-C-0032)APT member states support methods A1, B1, C1-A and D of the CPM Report to introduce the VHF data exchange system (VDES) for the maritime community. |
| **Status of the APT Proposals:**ISSUE A: Part 1: The meeting agreed that the Channels 2027 and 2028 will be assigned for the ASM application which was described in method A1. (consistent with ACPs)Part 2: * Consensus was reached to revise note *t)* in Appendix **18** and the concerns raised by APT member states are considered; (maybe replaced by new note *m)*);
* Discussion on the revision of note *m)* in Appendix 18: the higher frequency of these channels designated in *m)*, other than four channels designated in *t)*, [may/should] be used for transmission by coast stations.
 |
| **Issues to be discussed at the Coordination Meeting:**No issues require discussion at this stage. |
| **Comments/Remarks by the Coordinator**:The APT member states are invited to consider the proposed revision of note *m)*. |

|  |
| --- |
| **Agenda Item No.**: AI 1.17 |
| **Name of the Coordinator (with Email)**: Eddy D’Amico (AUS) (eddy.damico@airservicesaustralia.com) |
| **Issues:** to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance withResolution **423 (WRC‑12)** |
| **APT Proposals**:**MOD** ASP/32A17/1Support the single Method of CPM Report – add a primary AM(R)S allocation to the 4.2-4.4 GHz band. Relevant footnotes are modified and new footnotes are added to limit the use to WAIC systems. **MOD** ASP/32A17/2Modify 5.438 to maintain the use of the 4.2-4.4 GHz band by ARNS exclusively for radio altimeter.**ADD** ASP/32A17/3Add 5.A117 to limit the use of the 4.2-4.4 GHz band by AM(R)S to WAIC systems that operate in accordance with recognised international aeronautical standards and a new Res.**ADD** ASP/32A17/4Add 5.B117 to maintain the status of passive sensing in EESS and SRS in the 4.2-4.4 GHz band.**SUP** ASP/32A17/5Support suppression of Res 423.**ADD** ASP/32A17/6Support addition of new Res that provides relevant regulatory provisions. |
| **Status of the APT Proposals:**SWG 4A2 a.i. 1.17 met for 15 minutes on Tue morning and agreed the single Method in the CPM Report. All input documents supported the single Method although the CEPT and CITEL documents had some minor differences. CEPT and CITEL both agreed to align with the single Method in the CPM Report – the CEPT coordinator reserved the right to reconsider as he had not consulted with all members but doesn’t anticipate any problems. The regulatory point identified in the Director’s Report (Doc 4A2R1 - section 3.2.4.4) on the inconsistency between the definition of the AM(R)S as contained in RR No. **1.32** and the provisions of RR No. **43.1** was considered. The SWG agreed that the *resolves* in the new Res stating that “No. **43.1** shall not apply for WAIC systems” is appropriate and no further action is required. |
| **Issues to be discussed at the Coordination Meeting:**Nil |
| **Comments/Remarks by the Coordinator**:Nil |

|  |
| --- |
| **Agenda Item No.**: AI 1.17 |
| **Name of the Coordinator (with Email)**: Eddy D’Amico (AUS) (eddy.damico@airservicesaustralia.com) |
| **Issues:** to consider possible spectrum requirements and regulatory actions, including appropriate aeronautical allocations, to support wireless avionics intra-communications (WAIC), in accordance withResolution **423 (WRC‑12)** |
| **APT Proposals**:**MOD** ASP/32A17/1Support the single Method of CPM Report – add a primary AM(R)S allocation to the 4.2-4.4 GHz band. Relevant footnotes are modified and new footnotes are added to limit the use to WAIC systems. **MOD** ASP/32A17/2Modify 5.438 to maintain the use of the 4.2-4.4 GHz band by ARNS exclusively for radio altimeter.**ADD** ASP/32A17/3Add 5.A117 to limit the use of the 4.2-4.4 GHz band by AM(R)S to WAIC systems that operate in accordance with recognised international aeronautical standards and a new Res.**ADD** ASP/32A17/4Add 5.B117 to maintain the status of passive sensing in EESS and SRS in the 4.2-4.4 GHz band.**SUP** ASP/32A17/5Support suppression of Res 423.**ADD** ASP/32A17/6Support addition of new Res that provides relevant regulatory provisions. |
| **Status of the APT Proposals:**As reported yesterday, SWG 4A2 completed its work and produced document noting regulatory changes to facilitate WAIC.DT/32 was presented at the 2nd meeting of WG4A yesterday – minor editorial issues with Chinese and Spanish versions were noted. Russia queried the contradiction between *Resolves* 1 and 4 in the new Resolution. It was explained that Article **43.1** was considered by SWG 4A2 and the SWG agreed that it appropriate to exclude Article **43.1** removing the limitations on WAIC. This matter has been taken offline for resolution and will be reported back to the WG4A meeting today (2pm).  |
| **Issues to be discussed at the Coordination Meeting:**Nil |
| **Comments/Remarks by the Coordinator**:Nil |

|  |
| --- |
| **Agenda Item No.**:　1.18 |
| **Name of the Coordinator ( with Email)**:Satoshi Oyama (s-oyama@arib.or.jp) |
| **Issues:**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 Proposals**:Add a primary allocation to the RLS on a worldwide basis in the band 77.5 to 78 GHz, limited to radar applications with technical characteristics given in the most recent version of Recommendation ITU-R M.2057.  |
| **Status of the APT Proposals:**SWG4A3-a.i. 1.18: 2nd Meeting (Nov.4): 3 information documents have introduced and noted. SWG4A3 considered 12 contributions including ACP (Add 18 to Doc. 32)SWG4A3 considered the consolidated document which was created by the chairman. There are 4 issues to resolve as follows:1. ADD: 77.5-78 GHz for RADIOLOCATON service on Frequency Allocation table.
2. ADD: Footnote of limitations of radar applications and technical specifications.
3. SUP: Res.654.
4. ADD: Draft new resolution proposed by CEPT.

Status:Reached consensus: (3)Issues to be considered: (1)(2)(4)  The issue (2) Footnote, including ACP, will be considered during the next meeting. |
| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:3rd meeting of SWG 4A3-a.i. 1.18 will be held at 15:40 on 5 November.  |

|  |
| --- |
| **Agenda Item No.**: 2 |
| **Name of the Coordinator ( with Email)**:Akira HASHIMOTO: hashimoto@nttdocomo.comMasayoshi TACHIKI (Acting coordinator): masayoshi.tachiki.zm@nttdocomo.com |
| **Issues:**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 Proposals**:Document 32 (Addendum 19) |
| **Status of the APT Proposals:**The APT proposals on this agenda item has been presented at the first meeting of WG 6A.The substance of the proposals is under consideration of Sub WG 6A1 chaired by Mr. Hashimoto, APT Coordinator on this agenda item. |
| **Issues to be discussed at the Coordination Meeting:**It would be requested to each regional group including APT to consider the treatment of the provisions referring to Recommendation M.1638 on whether its version number should be updated or there is another solution on the text of these provisions. This would be considered through the mailing list within the APT for the agenda item 2 & 4.  |
| **Comments/Remarks by the Coordinator**:The mailing list members are requested to respond, as appropriate, to the mails from the Agenda item Coordinator. |

|  |
| --- |
| **Agenda Item No.**: 4 |
| **Name of the Coordinator ( with Email)**:Akira HASHIMOTO: hashimoto@nttdocomo.comMasayoshi TACHIKI (Acting coordinator): masayoshi.tachiki.zm@nttdocomo.com |
| **Issues:**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 Proposals**:Document 32 (Addendum 20) |
| **Status of the APT Proposals:**The APT proposals on this agenda item has been presented at the first meeting of WG 6A.The substance of the proposals is under consideration of Sub WG 6A1 chaired by Mr. Hashimoto, APT Coordinator on this agenda item. |
| **Issues to be discussed at the Coordination Meeting:**It would be requested to each regional group including APT to consider and confirm the candidate Resolutions for NOC as well as SUP, for which no proposals have been received other than “NOC” or “SUP” from the regional groups.This would be considered through the mailing list within the APT for the agenda item 2 & 4.  |
| **Comments/Remarks by the Coordinator**:The mailing list members are requested to respond, as appropriate, to the mails from the Agenda item Coordinator. |

|  |
| --- |
| **Agenda Item No.**: **7 (a)** |
| **Name of the Coordinator ( with Email)**:CHENG Fenhong, chengfenhong@chinasatcom.com |
| **Issues:**1. Issue X: Review of the orbital position limitations in Annex 7 to RR Appendix 30
2. Issue D: General use of modern electronic means of communications in coordination and notification procedures
3. Issue J: Removal of the link between the date of receipt of the notification information and the date of bringing into use in RR No. **11.44B**
 |
| **APT Proposals**:1. Issue X: APT Members support no change to Appendix 30 of the Radio Regulations under this issue.
2. Issue D: APT Members support the single method as described in the relevant CPM Report.
3. Issue J: There is no ACP for this issue.
 |
| **Status of the APT Proposals:**1. Issue X: there are no proposals from other Regional groups or administrations, so APT proposal is agreed by the meeting.
2. Issue D: Almost all administrations support the sole method as outlined in CPM report, so APT proposal is agreed by the meeting.
3. Issue J: Documents have been introduced and preliminary discussion has been conducted.
 |
| **Issues to be discussed at the Coordination Meeting:****None.** |
| **Comments/Remarks by the Coordinator**:There are many new issues proposed by administration this meeting, and APT member are invited to consider these new issues. |

|  |
| --- |
| **Agenda Item No.**: 7 |
| **Name of the Coordinator ( with Email)**: CHENG Fenhong, Email: chengfenhong@chinasatcom.comPhung Nguyen Phuong Email: phuongpn@rfd.gov.vn  |
| **Issues:** 7(A) Issue A – Informing the Bureau of a suspension under RR No. 11.49 beyond six months7(B) Issue B – Publication of information on bringing into use of satellite networks at the ITU website7(C) Issue C – Review or possible cancellation of the advance publication mechanism for satellite networks subject to coordination under section II of Article **9** of the Radio Regulations7(D) Issue D – General use of modern electronic means of communications in coordination and notification procedures7(E) Issue E – Failure of a satellite during the ninety-day bringing into use period7(F) Issue F: Modifications to RR Appendix 30B in relation to the suspension of use of a frequency assignment recorded in the MIFR7(G) Issue G: Clarification of bringing into use information provided under RR Nos.11.44/11.44B7(H) Issue H – Using one space station to bring frequency assignments at different orbital locations into use within a short period of time7(I) Issue I – Possible method to mitigate excessive satellite network filings issue7(J) Issue J – Removal of the link between the date of receipt of the notification information and the date of bringing into use in RR No. **11.44B**7(K) Issue K – Addition of a regulatory provision in RR Article **11** for the case of launch7(L) Issue L – Modification of certain provisions of Article 4 of RR Appendices 30 and 30A for Regions 1 and 3 namely replacement of tacit agreement with explicit agreement or alignment of those provisions of RR Appendices 30 and 30A for Regions 1 and 3 with those of Appendix 30BIssue X: Review of the orbital position limitations in Annex 7 to RR Appendix 30 |
| **APT Proposals**:**Issue A:**APT Members support the Method A2, Option A, with its proposed regulatory text, as it was added to the CPM15-2 Report**.**APT Members do not support Method A2, Option B as contained in the CPM15-2 Report.**Issue B**APT Members are of the view that it is necessary to make available the information on bringing into use and suspension of satellite networks on the ITU website and publish it in the BR IFIC. In view of the linkage between the information about BIU and Resolution **49 (Rev. WRC-12)** is not appropriate and may have unintended adverse impacts, APT Members support Method B1, Option B as contained in the CPM15-2 Report, **with modification****Issue C:**No PACP**Issue D:**APT Members support the single method as described in Section 5/7/4 of the Chapter 5 of the CPM Report.APT Members are of the view that the modern electronic means can be used instead for traditional means for effective communications, as far as possible, but without replacing “telegram”, “telex” or “fax” since telefax is still used in many administrations as the most reliable means of communication due to the fact that in some instances, in particular, in some developing countries Internet may not be always available.**Issue E:**APT Members have a view that it is appropriate to consider the situation on case-by-case basis.APT Members support the Method E3 as contained in the CPM Report.APT Members do not support Methods E1, E2 and E4 as contained in the CPM Report.**Issue F:**APT Members support the single Method F, which an alignment between RR Appendix 30B, RR Article 11 and RR Appendices 30 and 30A in relation to the suspension of use of a frequency assignment is required.Should WRC-15 adopt additional modifications to RR No. 11.49 and section 5.2.10 of RR Appendices 30 and 30A, WRC-15 is invited to consider the alignment of provisions pertaining to suspension of a frequency assignment in RR Appendix 30B with those modifications.**Issue G:**APT Members support the single Method G, with its proposed regulatory text, as it was added to the CPM Report.**Issue H**No PACP**Issue I:**APT Members support Method I1.4 as described in Section 5/7/9.6.1.4 of the Chapter 5 of the CPM Report.APT Members are generally supportive of efforts aimed at mitigating excessive filings. But they also have many concerns, including:1) that the addition of a new initial notification step proposed in Methods I1.1 to I1.3 will not result in smaller numbers of future filings because there is not any new requirement or incentive in the methods that will cause an administration to suppress satellite networks filings that are undergoing coordination and for which cost recovery charges have been paid. The information required by the new initial notification notices can easily be filled out by the administration but the addition of this new step will increase the administrative efforts for the administrations and the BR.2) further studies are needed with the above methods.**Issue K:**APT Members support the Method K2 with its proposed regulatory text, as it was added to the CPM Report**.****Issue J:**No PACP**Issue L:**No PACP**Issue X:** APT Members support no change to Appendix 30 of the Radio Regulations under this issue. |
| **Status of the APT Proposals:**Issue A – Informing the Bureau of a suspension under RR No. 11.49 beyond six monthsIssue B – Publication of information on bringing into use of satellite networks at the ITU websiteIssue C – Review or possible cancellation of the advance publication mechanism for satellite networks subject to coordination under section II of Article **9** of the Radio Regulations**Issue D – General use of modern electronic means of communications in coordination and notification procedures**Issue E – Failure of a satellite during the ninety-day bringing into use period**Issue F: Modifications to RR Appendix 30B in relation to the suspension of use of a frequency assignment recorded in the MIFR**Most of administrations support the single method F as outlined in CPM report, APT proposal is agreed by SWG 5C2.Should WRC-15 adopt additional modifications to RR No. 11.49 and section 5.2.10 of RR Appendices 30 and 30A, WRC-15 is invited to consider the alignment of provisions pertaining to suspension of a frequency assignment in RR Appendix 30B with those modifications.**Issue G: Clarification of bringing into use information provided under RR Nos.11.44/11.44B**Most of administrations support the single method G as outlined in CPM report, APT proposal is agreed by SWG 5C2.Issue H – Using one space station to bring frequency assignments at different orbital locations into use within a short period of timeIssue I – Possible method to mitigate excessive satellite network filings issue**Issue J – Removal of the link between the date of receipt of the notification information and the date of bringing into use in RR No. 11.44B**Issue K – Addition of a regulatory provision in RR Article **11** for the case of launchIssue L – Modification of certain provisions of Article 4 of RR Appendices 30 and 30A for Regions 1 and 3 namely replacement of tacit agreement with explicit agreement or alignment of those provisions of RR Appendices 30 and 30A for Regions 1 and 3 with those of Appendix 30B**Issue X: Review of the orbital position limitations in Annex 7 to RR Appendix 30** |
| **Issues to be discussed at the Coordination Meeting:**None. |
| **Comments/Remarks by the Coordinator**:There are many new issues proposed by Regional group and administration this meeting and APT member are invited to consider these new issues.* 7X-1: 8A21 (RCC) - MOD to No. 13.6
* 7X-2: 9A21-A13 (EUR): New No. 11.41.3
* 7X-4 61A21-A13 (IRN): MOD to 6.14 of AP30
* 7X-5 88A21 (ISR): Modification to AP30/30A recorded assignments
* 7X-6 96 (TUR): Mod to AP4 C.11.a for number of AP30/30A/30B test points
* 7X-7 109A1 (RUS): Interrelationship between Nos. 11.44, 11.44B, 11.49, 11.49.1
* Director’s Report-AI 7 aspects (Doc WRC15/4A1, A1-A1, A2R1, A2R1-A1, A3)
* RRB Report on Resolution 80 (Doc WRC15/14)
 |

|  |
| --- |
| **Agenda Item No.**: 8  |
| **Name of the Coordinator ( with Email)**: Neil Meaney neil.meaney@acma.gov.au  |
| **Issues:**Deletion of country names from RR Table of Frequency Allocations footnotes.Standing agenda item. |
| **APT Proposals**:No proposal |
| **Status of the APT Proposals:**Not applicable |
| **Issues to be discussed at the Coordination Meeting:**While there are numerous proposals to remove country names from footnotes, of which there is no issue, there are a number of proposals seeking to have country names added to footnotes, which is not the intention of the agenda item. The matter was extensively discussed in Committee 6 at its first meeting on Tuesday 3 November and it was agreed to have these issues handled either under WRC-15 agenda items that have consideration of the frequency bands in question and where no such agenda item exists the matter may be considered in Committee 6 under other issues. Also it has been decided that further proposals for administrations that wish to ‘add’ their names to RR footnotes must be received by 18.00 hours Friday 6 November and further proposals for administrations to request their country name be ‘removed’ from RR footnotes need to be submitted by 18.00 hours 13 November.Detail on this is shown in Document [142 (Rev.1)](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WRC15-C-0142).Work is currently underway in WG 6A in [DT/34](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R15-WRC15-151102-TD-0034) ‘Consideration of proposals relating to footnotes to Article 5 Agenda item 8.’ |
| **Comments/Remarks by the Coordinator**:There are likely to be some issues where administrations are proposing to add their country names, and where the footnotes are being modified. This appears to be beyond the mandate of agenda item 8, but under some circumstances, as shown in Document [142](http://www.itu.int/md/R15-WRC15-C-0142/en) can be considered as ‘general issues’ of Committee 6. |

|  |
| --- |
| **Agenda Item No.**:9.1 Issue 9.1.2 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (J) (h.takeshita@soumu.go.jp ) |
| **Issues:**1 to carry out studies to examine the effectiveness and appropriateness of the current criterion (Δ*T*/*T* > 6%) used in the application of RR No. **9.41** and consider any other possible alternatives (including the alternatives outlined in Annexes 1 and 2 to this Resolution), as appropriate, for the bands referred to in *recognizing e)*;2 to study whether additional reductions in the coordination arcs in RR Appendix **5 (Rev.WRC-12)** are appropriate for the 6/4 GHz and 14/10/11/12 GHz frequency bands, and whether it is appropriate to reduce the coordination arc in the 30/20 GHz band,” |
| **APT Proposals**:No APT common proposal. |
| **Status of the APT Proposals:**N/A |
| **Issues to be discussed at the Coordination Meeting:*** None at this stage.
 |
| **Comments/Remarks by the Coordinator**:* Among 14 inputs, three documents from CITEL, RCC and CEPT were introduced at SWG 5C3.
 |

|  |
| --- |
| **Agenda Item No.**:Agenda Item 9.1 Issue 9.1.3 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (J) (h.takeshita@soumu.go.jp ) |
| **Issues:**1. To collaborate with, and provide information when requested by, ITU-D, on satellite technologies and applications as defined in ITU-R Recommendations and Reports and on satellite regulatory procedures in the Radio Regulations that will help developing countries with development and implementation of satellite networks and services;
2. To determine whether it might be necessary to apply additional regulatory measures to enhance the availability of public international telecommunication services delivered through satellite technology.
 |
| **APT Proposals**:No changes to the Radio Regulations and retention of Resolution **11 (WRC-12)**. |
| **Status of the APT Proposals:*** No change to the RR was agreed at WG 5C level.
* But, Resolutions **11** was agreed to be deleted.

(See “Comments/Remarks by the Coordinator” below.) |
| **Issues to be discussed at the Coordination Meeting:*** None.
 |
| **Comments/Remarks by the Coordinator**: [Updated]* WG5C’s proposal to suppress Resolution **11** was agreed (see [DT/33](http://www.itu.int/md/R15-WRC15-151102-TD-0033/en)).
* It will be submitted to COM 5 with adding information in introductory part.
 |

|  |
| --- |
| **Agenda Item No.**:Agenda Item 9.1 Issue 9.1.5 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (J) (h.takeshita@soumu.go.jp ) |
| **Issues:**To study possible technical and regulatory measures in some countries in Region 1 to support the existing and future FSS earth stations in the 3 400-4 200 MHz band used for satellite communications related to safe operation of aircraft and reliable distribution of meteorological information referred to in *considering* c). |
| **APT Proposals**:No APT common proposal. |
| **Status of the APT Proposals:**N/A |
| **Issues to be discussed at the Coordination Meeting:**None. |
| **Comments/Remarks by the Coordinator**: [Updated]* WG5C’s proposal to propose modification to Resolution **154** was agreed (see [DT/35](http://www.itu.int/md/R15-WRC15-151102-TD-0035/en)).
* It will be submitted to COM 5.
* Because this issue contains the candidate frequency band for IMT (3 400-4 200 MHz band) and relates to Agenda Item 1.1, WG5C decided to leave it to higher level to seek appropriate action based on the result of this agenda item.
 |

|  |
| --- |
| **Agenda Item No.**: **9.1.6** |
| **Name of the Coordinator ( with Email)**: Neil Meaneyneil.meaney@acma.gov.au  |
| **Issues:**Element of the Director’s Report to consider studies on definitions of the definitions of *fixed service*, *fixed station* and *mobile station.* |
| **APT Proposals**:A23-A1-A6/1 and 2 – for NoC to the Radio Regulations |
| **Status of the APT Proposals:**Successful. All proposals to the conference supported NoC. The matter was dealt with at Comm 6 – where it was agreed the matter could go forward as NoC to the Radio Regulations and suppression of Resolution **957 (WRC-12)**. |
| **Issues to be discussed at the Coordination Meeting:**For noting only. |
| **Comments/Remarks by the Coordinator**:Good result and should have no difficulty being finalsied through plenary. |

|  |
| --- |
| **Agenda Item No.**:**9.1** |
| **Name of the Coordinator ( with Email)**:Yujiao Li (janelee1031@hotmail.com) |
| **Issues:**9.1.7 Resolution **647 (Rev. WRC-12)** − Spectrum management guidelines for emergency and disaster relief radiocommunication |
| **APT Proposals**:APT Members support to continue the ITU-R studies related to spectrum management guidelines for emergency and disaster relief radiocommunication.APT Members support Option B under this issue as described in CPM Report, i.e. to keep Resolution 644 (Rev.WRC-12) and modify Resolution 647 (Rev.WRC-12).MOD RESOLUTION 647 (Rev. WRC-12) |
| **Status of the APT Proposals:**Issue 9.1.7 will be discussed at SWG 4C3 meeting today at 10:40 a.m. APT proposal status will be updated after the meeting. |
| **Issues to be discussed at the Coordination Meeting:**The updated status of issue 9.1.7 (if the issue is discussed today). |
| **Comments/Remarks by the Coordinator**:No comments yet. |

|  |
| --- |
| **Agenda Item No.**:Agenda Item 9.1 Issue 9.1.8 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (J) (h.takeshita@soumu.go.jp ) |
| **Issues:**To examine the procedures for notifying space networks and consider possible modifications to enable the deployment and operation of nanosatellites and picosatellites, taking into account the short development time, short mission time and unique orbital characteristics. |
| **APT Proposals**:Retention of Resolution **757 (Rev.WRC-12)** with some modifications. |
| **Status of the APT Proposals:*** Our proposal was not reflected to the result of the discussion at WG 5C level.

(See “Comments/Remarks by the Coordinator” below.) |
| **Issues to be discussed at the Coordination Meeting:*** None.
 |
| **Comments/Remarks by the Coordinator**: [Updated]* WG5C’s proposal to suppress Resolution **757** was agreed (see [DT/36](http://www.itu.int/md/R15-WRC15-151102-TD-0036/en)).
* It will be submitted to COM 5.
 |

|  |
| --- |
| **Agenda Item No.**: AI 10 |
| **Name of the Coordinator ( with Email)**:***Overall:*** Mr. Jiao Jian (China) jian.jiao@huawei.com ***IMT:*** Mr. Hyoungjin Choi (Rep. of Korea) hj686.choi@samsung.com ***275 GHz/ITS:*** Ms. Yumi Ueda (Japan) ueda@nict.gp.jp  |
| **Issues:**10to 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 Proposals**:ASP/32A24/1 SUP RESOLUTION 806 (WRC-07)ASP/32A24/2 SUP RESOLUTION 807 (WRC-12)ASP/32A24/3 SUP RESOLUTION 808 (WRC-12)ASP/32A24/4 Draft New Resolution [ASP-A10-WRC-19 AGENDA] (wrc-15) Agenda for the 2019 World Radiocommunication ConferenceASP/32A24/5 1.1 to consider identification of frequency bands for IMT including possible additional allocations to the mobile service on a primary basis in accordance with Resolution [ASP-B10-IMT ABOVE 6 GHz] (WRC 15) (Attachment 1);ASP/32A24/6 1.2 to consider the appropriate regulatory measures to identify the land mobile and fixed services operating in the frequency range 275-1 000 GHz in accordance with Resolution [ASP-C10-MS&FS ABOVE 275GHz] (WRC 15) (Attachment 2);ASP/32A24/7 1.3 to consider spectrum-related matters and possible regulatory actions for Intelligent Transport Systems (ITS) applications, taking into account the results of ITU R studies, in accordance with Resolution [ASP-D10-ITS] (WRC 15) (Attachment 3);ASP/32A24/8 1.4 to consider regulatory actions, including spectrum allocations, to support GMDSS modernization and implementation of e navigation in accordance with Resolution 359 (Rev.WRC 15) (Attachment 4);ASP/32A24/9 1.5 to consider regulatory provisions to facilitate the introduction of GADSS in aeronautical services bands in accordance with Resolution [ASP-E10-GADSS] (WRC 15) (Attachment 5);ASP/32A24/10 1.6 to consider possible frequency requirement and regulatory procedures for protecting the automatic identification system (AIS) and supporting novel devices using AIS technology, in accordance with Resolution [ASP-F10-AIS] (WRC 15) (Attachment 6);ASP/32A24/11 1.7 to consider spectrum-related matters and possible regulatory actions to support the next-generation radiocommunication systems between train and tracksides, in accordance with Resolution [ASP-G10-TRAIN] (WRC 15) (Attachment 7);ASP/32A24/12 1.8 to consider spectrum-related matters and regulatory actions to support wireless power transmission (WPT)1 taking into account the results of ITU R studies in accordance with Resolution [ASP-H10-WPT] (WRC 15) (Attachment 8);ASP/32A24/13 Agenda 2 – 10 ASP/32A24/14 Draft New Resolution [ASP-B10-IMT ABOVE 6 GHZ] (wrc-15) Studies on frequency-related matters for IMT identification including possible additional allocations to the mobile services on a primary basis in portion(s) of the frequency range between 25.25 and 86 GHz for the future development of IMT for 2020 and beyondASP/32A24/15 Draft New Resolution [ASP-C10-MS&FS ABOVE 275 GHZ] (wrc-15) Appropriate regulatory measures for the land mobile and fixed services operating in the frequency range 275-1 000 GHzASP/32A24/16 Draft New Resolution [ASP-D10-ITS] (wrc-15) Spectrum-related matters and possible regulatory actions for Intelligent Transport Systems applicationsASP/32A24/17 RESOLUTION 359 (REV.WRC-1215) Consideration of regulatory provisions for modernization of the Global Maritime Distress and Safety System and studies related to e-navigationASP/32A24/18 Draft New Resolution [ASP-E10-GADSS] (wrc-15) Aircraft tracking and distress communicationsASP/32A24/19 Draft New Resolution [ASP-F10-AIS] (wrc-15) Consideration of possible frequency requirement and regulatory procedures for protecting automatic identification system (AIS) and supporting novel devices using AIS technologyASP/32A24/20 Draft New Resolution [ASP-G10-TRAIN] (wrc-15) Consideration of spectrum related matters and possible regulatory actions to support the next-generation radiocommunication system between train and tracksidesASP/32A24/21 Draft New Resolution [ASP-H10-WPT] (wrc-15) Studies on spectrum-related matters and regulatory actions to support Wireless Power Transmission (WPT) |
| **Status of the APT Proposals:*** Introduction of documents concerning Agenda item 10
* Consideration of proposals relating to agenda item 10
	+ 1st box : ASP/32A24/10(AIS), ASP/32A24/9(GADSS), ASP/32A24/8(GMDSS), ASP/32A24/5(IMT), ASP/32A24/7(ITS), ASP/32A24/6(275GHz)
	+ 2nd box : ASP/32A24/11(Train), ASP/32A24/12(WPT)
	+ 3rd box: None
* Starting to Creation of Adhoc groups
	+ Adhoc Group on IMT
	+ others
 |
| **Issues to be discussed at the Coordination Meeting:*** The priorities of the APT Proposals?
	+ 1st box : ASP/32A24/10(AIS), ASP/32A24/9(GADSS), ASP/32A24/8(GMDSS), ASP/32A24/5(IMT), ASP/32A24/7(ITS), ASP/32A24/6(275GHz)
	+ 2nd box : ASP/32A24/11(Train), ASP/32A24/12(WPT)
	+ 3rd box: None
* How to deal with other Proposals?
	+ 1st box : Appendix 30, Amateur Service
	+ 2nd box : BSS and FSS Services, Earth stations on mobile platforms, Earth exploration-satellite service, Electronic news gathering, HAPS, ISM, ITU-R Resolution 64, Meteorological-satellite service, Maritime radio devices, Nanosatellite and picosatellite, Non-GSO satellites, Res 359 & 757, NGSO FSS satellite systems, Wireless access systems (WAS) including radio local area networks (RLAN)
	+ 3rd box: EESS 40-50M, space weather sensors
* Our views on the creation of Adhoc groups and their chairs?
	+ Adhoc Group on IMT
	+ others
 |
| **Comments/Remarks by the Coordinator**:WG 6B(AI10) have two session yesterday and today morning and will have another session session followed half an hour interregional coordination meeting starting from 14:00 today. WG continue the introduction of all the contributions one by one. Then WG classify all proposals topic-by-topic and try to put them into 3 boxes for the further discussions (1st box- items without any divergence so far; 2nd box- items with the divergence from Administrations; 3rd box- items towards WRC-23). |

|  |
| --- |
| **Agenda Item No.**: GFT |
| **Name of the Coordinator ( with Email)**: BUI Ha Long (email: longbh@rfd.gov.vn) |
| **Issues:** Resolution **185** (Busan, 2014) Global flight tracking for civil aviation - The Plenipotentiary Conference of the International Telecommunication Union (Busan, 2014), resolves to instruct WRC-15, pursuant to No. 119 of the ITU Convention, to include in its agenda, as a matter of urgency, the consideration of global flight tracking, including, if appropriate, and consistent with ITU practices, various aspects of the matter, taking into account ITU-R studies, |
| **APT Proposals**:**Relevant documents:** C/32-Add25**Introduction**APT Members are of the views that support the followings:– consideration of global flight tracking for civil aviation in accordance with ITU Plenipotentiary Conference Resolution 185 (Busan, 2014) at WRC-15;– studies relating to global flight tracking for civil aviation that are ongoing in the ITU Radiocommunication Sector (ITU-R) including Working Parties 5B and 4C while taking into account appropriate protection of existing services;– any regulatory provision on GFT shall not constrain the systems operating in existing aeronautical safety services;– consideration of any possible method, technologies or solution that can contribute to the global flight tracking purpose.**Proposal** In view of above, APT Members invites WRC-15 to recognize the importance and urgent treatment of global flight tracking for civil aviation, taking into account of the the result studies so far available and the report of the Director of BR in order to respond to the instruction given in PP-14 Resolution 185 (Busan, 2014). |
| **Status of the APT Proposals:**GFT issue is allocated to SWG4A-4 Chair by Madam Lisa Amirault from Canada. So far SWG4A-4 met 4 times. All the input documents was introduced, including the report of Director of BR, as summarized in the embedded file. APT common proposal on this issue do not make specific proposal on the allocation while proposals from other regional groups or countries try to propose allocation of AMS(R)S via 2 approaches based on Option 2 and Option 3 provide in BR Director report. And China, in their country proposal proposes no change to the Radio Regulation and the issue of global flight tracking should be included on the agenda of the next WRC. SWG4A-4 is now considering the possible output which include the proposals of:a) allocate the band 1 087.7-1 092.3 MHz to the AMS(R)S (Earth-to-space) on a primary basis, limited to the reception of ADS-B emissions from aircraft which in accordance with ICAO standards, in condition of not claim protection from stations operating in the ARNS. New Resolution [ADS-B] is needed.b) new WRC Resolution on Use of the frequency band 1 087.7- 1 092.3 MHz by the aeronautical mobile-satellite (R) service (Earth to space):- provide the definition of ADS-B concept- indicate a complex interference environment cause by using of ICAO and non-ICAO systems in the band- there is a requirement that some administrations have to control all users to ensure proper operation of all terrestrial systems in the band- 3 resolves are proposed to address the matters.Draft materials, which were agreed by SWG4A-4, on above proposals can be found on share folder of SWG4A-4.  |
| **Issues to be discussed at the Coordination Meeting:**None |
| **Comments/Remarks by the Coordinator**:SWG4A-4 will submit above results to consider at WG4A meeting tomorrow. |