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| APTlogogreen3 | ASIA-PACIFIC TELECOMMUNITY |  |  |
| **APT Conference Preparatory Group for WRC-15 (APG-15)** |  |
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Date: 04 November 2015

**APT Coordination Meetings during WRC-15**

**COMPILED REPORT OF THE AGENDA ITEM COORDINATORS**

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| **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:**SWG 4C1-AI1.1 chaired by Dr. Hiroyuki. ATARASHI from Japan is at the stage of introduction of input contributions. The input contribution of APT for WRC-15 agenda item 1.1 will be presented at the second SWG 4C1-AI1.1 meeting on 14:00 November 4, 2015. |
| **Issues to be discussed at the Coordination Meeting:** |
| **Comments/Remarks by the Coordinator**: |

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| **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**: |

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| **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
* Consider 02 options: Option A (NOC) and Option B (Allocation of ?? kHz)
* Target completion date Tuesday 10 November 2015
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| **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.
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| **Status of the APT Proposals:**The meeting for SWG5B1 (AI 1.6) has not been started yet. |
| **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.
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| **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. |

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| **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**: - |

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| **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.
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| **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.
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| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:N/A |

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| **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
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| **Issues to be discussed at the Coordination Meeting:**No issues require discussion at this stage. |
| **Comments/Remarks by the Coordinator**:No comments. |

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| **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. |

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| **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 were 11 Input Documents on AI1.14.Six of them support Method A1 (C-0007A14, C-0032A14, C-0062A14, C-0084A14, C-0085A14 C-0130A14), three of them support Method C (C-007A14, C-0068A4, C-0131A14) and two support D (C-0025A14, C-00131A14).Here show us the positions ( by M.Vincent, chair of SWG5A a.i1.14).D:\桌面文件\桌面\wrc-15\positions1.14.bmp  |
| **Issues to be discussed at the Coordination Meeting:****No** |
| **Comments/Remarks by the Coordinator**:No |

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| **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. |

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| **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:**This issue is being discussed in the sub-working group 4B2 AI 1.16 which was chaired by Mr. Alexander SCHWARZ (Germany). Twenty input contributions including APT ACPs have been presented.The meeting agreed that the Channels 2027 and 2028 will be assigned for the ASM application which was described in method A1. However, no consensus was reached to the provisions related to prevent blocking of the reception of the channels AIS 1, AIS 2, 2027 and 2028. The method A1 and A3 were supported by some administrations respectively. |
| **Issues to be discussed at the Coordination Meeting:**No issues require discussion at this stage. |
| **Comments/Remarks by the Coordinator**: |

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| **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 |

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| **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: 1st Meeting (Nov.3) The ACP (Add 18 to Doc. 32) has been introduced by the APT coordinator together with the other 11 contributions. Note: China (Doc. 62) and Japan/Thailand (Doc. 114) made contributions separately from ACP. |
| **Issues to be discussed at the Coordination Meeting:**N/A |
| **Comments/Remarks by the Coordinator**:2nd meeting of SWG 4A3-a.i. 1.18 will be held at 14:00 on 4 November.  |

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| **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. |

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| **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. |

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| **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**
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| **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.
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| **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.
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| **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. |

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| **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)
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| **Agenda Item No.**:Agenda Item 9.1 Issue 9.1.3 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (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.
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| **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.
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| **Comments/Remarks by the Coordinator**:* New Resolution (Doc. RA15/PLEN/91)\* approved by RA-15 covers the *resolves* part of Resolution **11**.
* Therefore, WG 5C agreed to delete Resolution **11**.

\*: Title of new Resolution is “Development and deployment of international public telecommunications via satellite in developing countries.” |

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| **Agenda Item No.**:Agenda Item 9.1 Issue 9.1.5 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (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**:* Issue 9.1.5 was discussed at WG 5C level.
* All contributions supported the proposed modification to Resolution **154 (WRC-12)** described in the CPM Report.
* Therefore, WG 5C decided to adopt the CPM Report as it is and to submit to COM 5.
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| **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. |

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| **Agenda Item No.**:Agenda Item 9.1 Issue 9.1.8 |
| **Name of the Coordinator ( with Email)**:Haruko S. TAKESHITA (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.
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| **Comments/Remarks by the Coordinator**:* WG 5C agreed to study nanosatellites and picosatellites issues for the future WRC as a standing agenda item, namely Agenda Item 7.
* Because Agenda Item 7 has already Resolution **86**, the Resolution **757** is no longer necessary.
* Therefore, the WG 5C decided to delete Resolution **757**. This is general approach.
* RA-15 approved new Resolution (Doc. RA15/PLEN/76) “improving the dissemination of knowledge concerning the applicable regulatory procedures for small satellites, including nanosatellites and picosatellites.”
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| **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:**Documents allocated to Working Group 6BIntroduction of documents concerning Agenda item 10 |
| **Issues to be discussed at the Coordination Meeting:****No** |
| **Comments/Remarks by the Coordinator**:WG 6B(AI10) started its first session yesterday. Around 40 contributions on around 25 possible new AIs towards WRC-19 received by the Conference, WG chair prepared a document (DT-31) on Summary of proposals. Then the WG Chair briefly introduced all proposals one-by-one by himself yesterday and will continue today afternoon. |