

**The 25th Meeting of APT Wireless Group (AWG-25)**

1-5 July 2019, Tangerang, Indonesia

**CONCEPT NOTE**

1. **Introduction**

The 25th Meeting of APT Wireless Group (AWG-25) will be held from 1 to 5 July 2019 in ICE BSD City, Tangerang, Indonesia. The meeting will be hosted by the Ministry of Communications and Informatics (MCI), Republic of Indonesia. For the workplan of AWG, the 24th Meeting of APT Wireless Group (AWG-24) held in Bangkok, Thailand from 17 to 21 September 2018, updated the ongoing workplan under AWG. Please refer to Annex A for the summary table of the updated workplan of AWG.

1. **Objectives**

The objective of AWG-25 is to follow up the work items in above mentioned workplan of AWG based on the input contributions from members and relevant ITU-R studies. AWG-25 will develop outcomes based on decision taken at the meeting. Further, AWG-25 will elect the Chairman and Vice-Chairmen of AWG for the next term. Please refer to the attached provisional agenda of AWG-25 in Annex B.

1. **Expected Outcomes**

AWG-25 is expected to develop the following tangible outcomes:

* Draft APT Recommendations
* APT Reports
* Liaison Statements to other APT Work Programmes, ITU-R Study Groups and external organizations, if necessary
* Survey questionnaires on the work items, if necessary
* Consider new work items for study.

1. **Arrangement/Activity (if necessary)**

AWG-25 will be held for five working days. The Working Groups and respective Sub-Working Groups and Task Groups will also meet during the working days of AWG-25 and report to the Plenary of AWG-25.

1. **Contact Persons:**

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**Annex A**

**Summary of the updated workplan of AWG**

| **No.** | **Work Item** | **Responsible Group** | **Expected Deliverable** | **Completion Target** |
| --- | --- | --- | --- | --- |
| 1 | Studies on frequency arrangements in the band 1427-1518 MHz | Sub-WG SA&H | Report | AWG-25 |
| 2 | Harmonized frequency arrangement in the band 3 300 – 3 400 MHz | Sub-WG SA&H | Report/  Recommendation | AWG-25 |
| 3 | Frequency arrangement in the band 4 800 – 4 990 MHz | Sub-WG SA&H | Report/  Recommendation | AWG-25 |
| 4 | Frequency ranges for non-beam WPT for mobile devices | Sub-WG SA&H | Recommendation | AWG-25 |
| 5 | Sharing and compatibility studies for selected frequency bands below 6GHz | Sub-WG Sharing | Report, Liaison Statements | AWG-25 |
| 6 | Sharing and compatibility studies for IMT above 24GHz | Sub-WG Sharing | Report, Liaison Statements | AWG-25 |
| 7 | Studies related to techniques and technical conditions for Licensed-Assisted Access (LAA) and 5G New Radio - Shared Spectrum (5G NR-SS) as national solutions for accessing shared spectrum | Sub-WG Sharing Studies | Report | AWG-26 |
| 8 | Spectrum monitoring techniques and methods under multi-path environment | Sub-WG SM | Report | AWG-26 |
| 9 | Report on mitigation measures to improve coexistence of 4G-LTE and 5G-NR operating in the 3400 - 3600 MHz band and other systems operating in adjacent spectrum | Sub-WG Sharing Studies | Report | AWG-28 |
| 10 | Study on Technical and Operational Measures for Coexistence between Terrestrial and Satellite IMT Systems Deployed in 1 980-2 010 MHz/2 170-2 200 MHz in the Asia-Pacific Region | Sub-WG Sharing Studies | Report | AWG-27 |
| 11 | Survey of usage and future plan of frequency bands in relation to studies on WRC-19 agenda item 1.13 in Asia-Pacific region | Sub-WG IMT | Report | AWG-25 |
| 12 | Implementation Public Safety LTE (PS-LTE) Networks | Sub-WG IMT (jointly with TG PPDR) | Report | AWG-25 |
| 13 | Necessary technical conditions to support technology neutrality and spectrum efficiency for implementation of IMT networks in bands identified for IMT | Sub-WG IMT | Report | AWG-25 |
| 14 | Current status and future plan of implementation and deployment of IMT-2020 (5G) in Asia-Pacific region | Sub-WG IMT | Report | AWG-25 |
| 15 | Studies on implementation aspects of IMT-2020 in the frequency bands below 6 GHz in Asia-Pacific region | Sub-WG IMT | Report | AWG-26 |
| 16 | Studies on 5G implementation in frequency bands above 24.25 GHz | Sub-WG IMT | Recommendation/Report | AWG-26 |
| 17 | Models for FWS link performance degradation due to wind | TG FWS | Report | AWG-27 |
| 18 | Cellular based V2X for ITS applications in APT countries | TG ITS | Report | AWG-28 |
| 19 | Millimetre wave ITS applications in APT countries | TG ITS | Report | AWG-28 |
| 20 | Vehicle Mounted Earth Stations (VMES) in Ku-Band GSO FSS Networks | TG ITS | Report | AWG-26 |
| 21 | LPWAN for IoT based on non-cellular technologies | TG IoT | Report | AWG-26 |
| 22 | Technology and spectrum management technics for IoT networks | TG IoT | Report | AWG-26 |
| 23 | Radio Frequency Beam WPT | TG WPT | Report | AWG-26 |
| 24 | Impact study for Non-Beam WPT for Mobile Devices | TG WPT | Report | AWG-25 |
| 25 | Technical and operational analysis for using HAPS as IMT base station in the frequency bands around and below 2GHz identified to IMT | TG HAPS | Report | AWG-25 |
| 26 | Current and future usage of unmanned aircraft | TG A&M | Report | AWG-25 |
| 27 | Broadband Wireless Air-to-Ground Communications Links with Passenger Aircraft | TG A&M | Report | AWG-25 |
| 28 | Implementation of the bands 108 – 117.975 MHz, 328.6-335.4 MHz and 960-1164 MHz for the aeronautical radionavigation systems in APT region | TG A&M | Report | AWG-26 |
| 29 | UHF-MAR] Study of usage of the bands 457.5125-457.5875 MHz and 467.5125-467.5875 MHz by the maritime mobile service in Asia Pacific region | TG A&M | Report | AWG-27 |
| 30 | Implementation of Public Safety LTE (PS-LTE) networks | Sub-WG IMT (jointly with TG PPDR) | Report | AWG-25 |
| 31 | System deployment and relevant testing studies of Railway Radiocommunication System between Train and Trackside (RSTT) in APT countries | TG RR | Report | AWG-25 |
| 32 | Railway Radiocommunication system for passengers’ access to information and Internet services | TG RR | Report | AWG-25 |

**Annex B**

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**PROVISIONAL AGENDA**

1. Opening
2. Adoption of Agenda
3. Summary Record of AWG-24

1. Allocation of the Documents

1. Outcomes of the Asia-Pacific ICT Ministerial Meeting 2019
2. Objectives and expected outcomes of the Working Groups during AWG-25
3. Consideration of the documents allocated to the Plenary
4. Working Groups/Sub-Working Groups/Task Groups Meetings
5. Consideration of the report of the Working Groups
6. Consideration and approval of the output documents
7. Date and venue of AWG-26
8. Election of the Chairman and two Vice-Chairmen of AWG
9. Any other matters
10. Closing