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| APTlogogreen3 | ASIA-PACIFIC TELECOMMUNITY |  |
| **The 21st Meeting of the APT Wireless Group (AWG-21)**  |  |
| 3 – 7 April 2017, Bangkok, Thailand |  |

**Questionnaire on usage and future plan of The Bands 4800-4990 MHz IN ASIA-PACIFIC REGION**

**Section 1: Elementary Part**

# Introduction:

During WRC-15 meeting, the band of 4 800-4 990 MHz, or portions thereof, is identified for the implementation of International Mobile Telecommunications (IMT) in 1 country in Region 2, 3 countries (including Cambodia, Lao P.D.R, Viet Nam) in Region 3.

IMT-Advanced/IMT-2020 system can provide better performance and high data rate using a wide channel bandwidth. The band 4 800-4 990 MHz is the possible harmonized frequency band to deploy IMT-Advanced/IMT-2020 systems.

Considering the situation above, APT Wireless Group initiates the study on the use of the band 4 800-4 990 MHz in the Asia-Pacific region.

# Objective of the Questionnaire:

To facilitate the study on the band 4 800-4 990 MHz for terrestrial IMT-Advanced/IMT-2020 systems for the Asia Pacific region, AWG-21 developed this questionnaire to collect the information on the current use and future plan of the band 4 800-4 990 MHz among the APT countries.

This questionnaire contains ten questions to collect information of current spectrum usage, ways on sharing/compatibility among incumbent applications, and future plan on the band 4 800-4 990 MHz. Responses to the questionnaire will be utilized for the development of the draft new APT Report in the frequency band 4 800 – 4 990 MHz for the Asia-Pacific region.

It should be noted that every APT Member does not necessarily need to respond to all the questions in the questionnaire.

# Responsible Group:

WG Spectrum Aspects / Sub-Working Group on Spectrum Arrangement and Harmonization

1. **Rapporteur of the Questionnaire:**

MR. NGUYEN ANH TUAN

1. **Meeting at which the Questionnaire was approved:**

AWG-21 (Document AWG-21/OUT-25)

1. **Target Responder:**

APT Members

1. **Deadline for Responses:**

No later than the 23rd meeting of APT Wireless Group

 **Section 2: Questionnaire Part**

**(1) Current usage**

**Question 1:** What is/are current allocation(s) (e.g. mobile service, fixed service, mobile-satellite service) in the bands 4 800-4 990 MHz in your country?

**Answer:**

|  |  |  |
| --- | --- | --- |
|  | **Frequency Portion** | **Services** |
| 1 |  |  |
| 2 |  |  |
|   |  |  |

**Question 2:** What application(s) is/are currently licensed/used in the 4 800-4 990 MHz band? Which frequency portion is used for each application?

**Answer:**

|  |  |  |
| --- | --- | --- |
|  | Frequency Portion | Applications |
| 1 |  |  |
| 2 |  |  |
|  |  |  |

**Question 3:** To what extent are those applications used (e.g. number of stations) in the bands 4 800-4 990 MHz in your country?

**Answer:**

|  |  |  |
| --- | --- | --- |
|  | Frequency Portion | Applications |
| 1 |  |  |
| 2 |  |  |
|  |  |  |

**Question 4**: Is there any expiry date for the existing licenses in the bands 4 800-4 990 MHz in your country?

**Answer:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Frequency Portion | Services/Applications | Licenses |
| 1 |  |  |  |
| 2 |  |  |  |
|  |  |  |  |

**Question 5:** How widely are existing services/applications deployed in the bands 4 800-4 990 MHz within your country (in space and time – for example the geographical deployment in urban versus rural areas)?

**Answer:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Frequency Portion | Services/Applications | Current status |
| 1 |  |  |  |
| 2 |  |  |  |
|  |  |  |  |

**Question 6:** When there are multiple applications licensed in the 4 800-4 990 MHz band, how do you achieve sharing/compatibility between these applications?

**Answer:**

**(2) Future plan**

**Question 7:** Do you have planned or potential future applications on this bands 4 800-4 990 MHz? (Yes / No)

**Answer:**

If you answered “Yes” to Question 7 above, please answer the question 8.

**Question 8:** What is/are planned or potential future applications in the bands 4 800-4 990 MHz?

**Answer:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Frequency Portion** | **Future Applications** | **Timeline** |
| 1 |  |  |  |
| 2 |  |  |  |
|  |  |  |  |

**Question 9:** What are the issues / challenges that need to be considered in order to allocate, identify and make available for use the bands of 4 800-4 990MHz for IMT?

**Answer:**

|  |  |  |
| --- | --- | --- |
|  | **Frequency Portion** | **Issues/Challenges** |
| 1 |  |  |
| 2 |  |  |
|  |  |  |

**(3) Others**

**Question 10:** Do you have any expectations or suggestions for your administration about the bands 4 800-4 990 MHz to be studied in the AWG?

**Answer:**

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