

ICTS Region 3



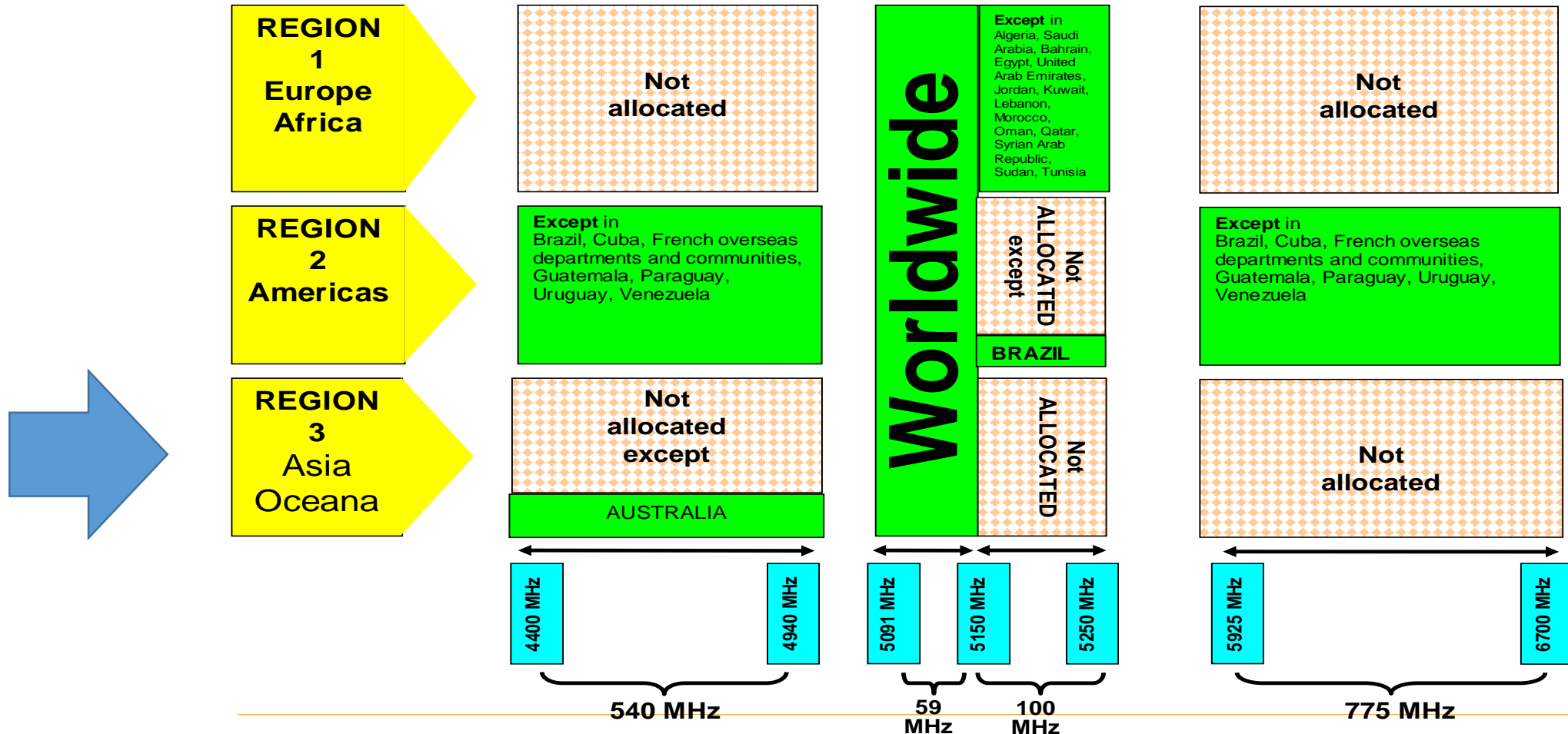
AMT Spectrum Encroachment in the Asia-Pacific Community

Presented at the *ICTS Special Session, 2017 ITC (Las Vegas, NV, USA)*
26 Oct, 2017

AMT Allocations in Region 3

2007 World Radiocommunication Conference

WRC-07 AI 1.5 Outcome*



* Prepared by MITRE from a slide prepared by Didier Petit, French Delegate, WRC-2007

AMT Operational Threats in Region 3

- **L-Band:** with Resolution 223 (WRC-15) the complete band 1427 – 1452 - 1492 – 1518 MHz, now completely allocable to IMT, **only in Region 3 !**
- **S-Band :** Parts of **2200 – 2400 MHz** already allocated to IMT in some countries.
- **C-Band:** Resolution COM6/16 (WRC-15) with AI 1.16 was encouraging the *IMT lobby in Region 3* to consider the range 5091 – 5150 MHz for RLAN ops, too !



APT Conference Preparatory Group

APT Conference Preparatory Group for World Radiocommunication Conference (APG) has been developed with the objective of harmonizing views and developing common proposals from the Asia-Pacific region for the World Radio Conference (WRC).

The main objective of APG is to organize coordinated regional activities to ensure that the interests of APT Members are properly represented. The activities include but are not limited to:

- Develop APT Common Proposals for WRCs and on matters related to ITU Radiocommunication Assemblies (RAs);
- Develop APT contributions to ITU-R Conference Preparatory Meetings (CPMs); and
- Assist APT Member countries, especially developing countries, in their preparations for **WRCs**, RAs and CPMs.

APT Conference Preparatory Group (APG)

Chairman: [Dr. Kyu-Jin Wee](#) (Rep. of Korea)

Vice Chairman: [Mr. Neil Meaney](#) (Australia) & [Mr. Xiaoyang Gao](#) (People's Republic of China)

Editorial Chairman: [Dr. Tommy Chee](#) (New Zealand)

WP	CPM Report Chapter	WRC-19 Agenda Items	Chairman
WP1	Chapter 1: Land mobile and fixed services	1.11, 1.12, 1.14, 1.15	Ms. Zhu Keer (People's Republic of China)
WP2	Chapter 2: Broadband applications in the mobile service	1.13, 1.16 , 9.1 (issues 9.1.1, 9.1.5, 9.1.8)	Dr. Kyung-Mee Kim (Republic of Korea)
WP3	Chapter 3: Satellite services	1.4, 1.5, 1.6, 7, 9.1 (issues 9.1.2, 9.1.3, 9.1.9)	Mr. Muneo Abe (Japan)
WP4	Chapter 4: Science services	1.2, 1.3, 1.7	Dr. Atmadji W. Soewito (Indonesia)
WP5	Chapter 5: Maritime, aeronautical and amateur services	1.1, 1.8, 1.9, 1.10, 9.1 (issue 9.1.4)	Mr. Bui Ha Long (Socialist Republic of Viet Nam)
WP6	Chapter 6: General issues	2, 4, 8, 9.1 (issues 9.1.6, 9.1.7), 10	Mr. Taghi Shafiee (Islamic Republic of Iran)

APG19-2

APT Conference Preparatory Group for WRC-19

- 17 - 21 July 2017, Bali, Indonesia
- The main objective of APG19-2 was to develop preliminary views of APT on WRC-19 Agenda Items. The meeting considered about 70 input contributions and 30 information documents received for the meeting as well as considered the preliminary views of the APT Members on WRC-19 Agenda Items.
- Meeting was able to develop and approve the preliminary views of APT on WRC-19 Agenda Items. The meeting considered liaison statements from APT Wireless Group informing APG-19 on studies related to WRC-19 Agenda Items. The meeting also noted the preparation of ITU for WRC-19 as well as the preliminary views of other regional organizations like ASMG, ATU, CEPT, CITEL, RCC, ICAO and IARU.
- Working Parties of APG-19 organized informal presentation sessions during APG19-2 on various agenda items.
- The meeting also discussed the and agreed the following dates and venue for the future meetings of APG-19:
 - APG19-3: 12 -16 March 2018, Perth, Australia
 - APG19-4: 7-12 January 2019, Republic of Korea
 - APG19-5: 31 July – 6 August 2019, Japan

APT Members are encouraged to contribute to the meetings of APG-19 to prepare for WRC-19.

WRC-19 AMT Threats in Region 3

[WP2](#)

Chapter 2:

Broadband applications in the mobile service

1.13, **1.16**, 9.1 (issues 9.1.1, 9.1.5, 9.1.8)

[Dr. Kyung-Mee Kim](#)
(Republic of Korea)

ICTS Watch List;

Agenda item 1.16; 5 GHz RLAN Rules

- APT Members are of the view that the protection of incumbent services including their current and planned use in the frequency should be ensured, without any unacceptable constraints on these services. We are concerned about interference protection of services (like AMT) in an adjacent band (5 091 to 5 150MHz))

New Aeronautical Recommendation

A new proposed item, introduced by the French, seeks to secure a new protection criteria for aeronautical mobile service (“AMS”) systems operating in the frequency band 4400 – 4990 and 5150-5250 MHz. While not a Region 3 AMT Band, it is in Australia. The Australian AMT community needs to watch this recommendation development to ensure that AMT (a subset of the AMS), and the established AMT Recommendation ITU-R M. 1459, is not impacted. The protections of M-1459 must be enforced from AMS interference with AMT.

Region 3 Points of Contacts

<http://www.apt.int/>

- APG: APT Preparatory Group for WRC-19
 - Chair; Dr. Kyu-Jin Wee, kjwee56@rapa.or.kr
- WP2 : Broadband Applications in the Mobile Service
 - Chair; Dr. Kyung-Mee Kim kmkim@korea.kr
- WP2 Agenda item 1.16 Drafting Group
 - Chair; Dr. Fang Ji Cheng jchfang@163.com
- ICTS; Int'l Consortium for Telemetry Spectrum
 - Region 3 Coordinator; tba



ASIA-PACIFIC TELECOMMUNITY

Need ICTS Contacts in ITU-Region 3

- **Australia** *Australian Communications & Media Authority (ACMA), Royal Australian Air Force (RAAF), Woomera Test Range*
- **China** *Ministry of Information Industry, Radio Regulation Dpmt; Chinese Flight Test Establishment, Res. Institute of Telemetry.*
- **India** *Telcom Regulatory Authority, Ministry of Communication & IT, Aeronautical Development Agency (ADA), ISRO et al.*
- **Indonesia** *Dpmt of Communications & Information, Radio Regulations; National Institute for Aeronautics & Space (LAPAN) et.al.*
- **Korea** *Ministry of Information & Communication, Korea Aerospace Research Institute (KARI), Korea Aerospace Industries (KAI).*
- **Malaysia** *Min Communications & Multimedia Commission, Dpmt of Civil Aviation Malaysia.*
- **Singapore** *Infocomm Development Authority of Singapore, Dpmt of Civil Aviation Authority of Singapore (CAAS).*
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