



DSO Challenges ITU Perspectives

Andrew King

Director : BroadSpectrum Consultants

**Chair : Australian Radiocommunications Study Group 6
(Broadcasting)**

27th August 2015

BroadSpectrum Consultants Pty Ltd

Specialists in Broadcast and RF Spectrum © 2015

Country Presentations



PNG

Tonga

Fiji

Solomon Island

Kiribati

Federated States of Micronesia

Nauru

Samoa

Challenges - financial

- Funding
 - Larger issue for smaller nations
 - Ability for viewers to afford the conversion
- Operational models
 - Integrated FTA and PayTV: Fiji
 - Separate but parallel systems : PNG, Tonga
 - FTA only: many nations

Challenges - coverage



- Broadcaster Control
 - Concern about telcos / PayTV controlling broadcaster mux: Samoa, PNG, Tonga
 - Different paradigm between analogue and digital
- Achieving Complete Broadcasting Coverage
 - Complete terrestrial coverage: Nauru
 - Terrestrial with Satellite infill: PNG, FSM
 - Terrestrial in major areas only: Tonga
 - Potential satellite coverage only: Kiribati
- Digital rollout / receiver penetration
 - Influences switchover time

Challenges - technical



- Power Supply
 - Availability
 - Reliability
 - Cost
- Installation, operation and maintenance

Challenges – policy & regulatory

- Nothing happens without government support
- Standardisation
 - Consider developing a regional standard
- Spectrum Allocation
 - Balance between broadcasting and mobiles

Views and Proposals



ASIA-PACIFIC TELECOMMUNITY

The 5th Meeting of the APT Conference Preparatory

Group for WRC-15 (APG15-5)

27 July – 1 August 2015, Seoul, Republic of Korea

Document

APG15-5/INP-119

20 July 2015



Palau (Republic of), Papua New Guinea (Independent State of), Samoa (Independent State of), Solomon Islands (Independent State of), Vanuatu (Republic of), Tuvalu (Independent State of)

VIEWS AND PROPOSALS ON WRC-15 AGENDA ITEMS 1.1

2. Views and Proposals

470-698 MHz

Dangerous for broadcasters as this potentially will lead to loss of the whole UHF band for broadcasting

It is proposed that the APT support the identification, for use by IMT, of the frequency band 470-698 MHz.

698-960 MHz

For the band 698-960 MHz, planned for use for IMT systems in the Pacific Islands and consistent with the Asia-Pacific Telecommunity (APT) 700 MHz plan, the contributing countries support the amalgamation of Radio Regulations Article 5 Table of Frequency Allocations footnote Nos. **5.313A** and **5.317A to facilitate a Regional IMT identification from 698-960 MHz**. Furthermore, contingent on outcomes of Agenda item 1.2 the contributing countries support the amalgamation of footnote Nos. **5.313A** and **5.317A** into a revised No. **5.384A** to facilitate a global IMT identification from 698-960 MHz.

Should it be necessary, the contributing countries, in accordance with Resolution **26 (Rev.WRC-07)**, intend to identify the band 698-790 MHz for IMT by adding their country names to footnote No. **5.313A** of the Radio Regulations Article 5 Table of Frequency Allocations. In response to an invitation issued by Australia (APG15-4 /INP-63) the contributing countries would propose to join in a multi-country proposal to WRC-15 for this purpose.

BroadSpectrum Consultants Pty Ltd

Specialists in Broadcast and RF Spectrum © 2015

Thank You for your attention



Questions?