DSA Global Summit

Spectrum Policies: Best Practices & Knowledge Sharing

Julissa Cruz Abreu
Executive Director, INDOTEL
National Spectrum Policy

• Constructed with the ITU
• Considers Best regulatory Practices
• Identifies Outstanding Problems of use and allocation Drills down to the root cause
• Segments and dimensions the multiple issues
• Addresses the issue with a fitting fiscal or regulatory solution
Spectrum Master Plan

• 10 Year Program (2020-2030)
• Addresses the identified Spectrum Conflicts and issues
• Step-by-step Resolution of said issues
• Identifies potential spectrum dividends from the execution
• Schedules Bids or recommends reallocation for said dividends
• Foresees future regulatory needs
• Schedules a regulatory agenda for spectrum
Spectrum Limits

- Spectrum Limits were discretionary
- The lack of a unified criteria generated asymmetries
- Industry actions like merger and acquisitions of companies and spectrum further deepen these asymmetries.
- Formal regulation was needed
- Spectrum limits were set for all IMT bands
  - Low (Below 1 GHz) 40%
  - Mid-Low (1-3 GHz) 40%
  - Mid-High (3-6 GHz) 40%
  - High (Above 6 GHz) 35%
The 6 GHz Band — The Questions

• Allocated 1,200 MHz to Open License (Wi-Fi)
• Consulted:
  • Our Engineers
  • ITU
  • IMT Solution Providers
  • End User hardware providers
  • The Academia
  • Multilateral entities
The 6 GHz Band — The Criteria

• Region 2 Spectrum Harmony
  • Only 2 Countries in the region have done partial allocation of the 6 GHz band

• Trade and Finance:
  • The United starts is our main Trading partner
  • Over 2 Million Dominican descendants live in the US
  • Close ties between DR and its diaspora push US devices into our market

• Previous Experience with Mixing Consumer electronics and IMT on the same band

• DR still has available IMT spectrum for 5G

• The Ubiquity of Wi-Fi end user devices available and in the hands of users

• Most IoT technologies use Wi-Fi over Home and Wide area networks

• Closing the Digital Divide:
  • Wi-Fi does not require a monthly fee or a prepaid subscription
  • Development of quick and low-cost rural projects using other alternative technologies
Julissa Cruz Abreu

Executive Director
Instituto Dominicano de las Telecomunicaciones