



**Caribbean
Telecommunications
Union**

Digital Broadcasting Switchover in the Caribbean: Status and Plans for VHF (174 – 216 MHz) and UHF (470 – 806 MHz) Bands

28 August 2017

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**2nd ITU Frequency Coordination Meeting
Guatemala City, Guatemala**

History of the CTU

- Established in 1989 in Nassau, The Bahamas by Caribbean Community (CARICOM) Ministers responsible for Telecommunications, to be the inter-governmental telecommunications policy instrument for the Caribbean
- 2003: Defined a new strategic direction to address issues of information and communications technologies
- 2004: Expanded Membership to include Private sector organisations
- 2005 - 2009: Undertook the Caribbean Spectrum Management Policy Reform Project
- 2013 - 2016: Harmonised Caribbean Spectrum Planning and Management Project

CTU Spectrum Harmonisation Work

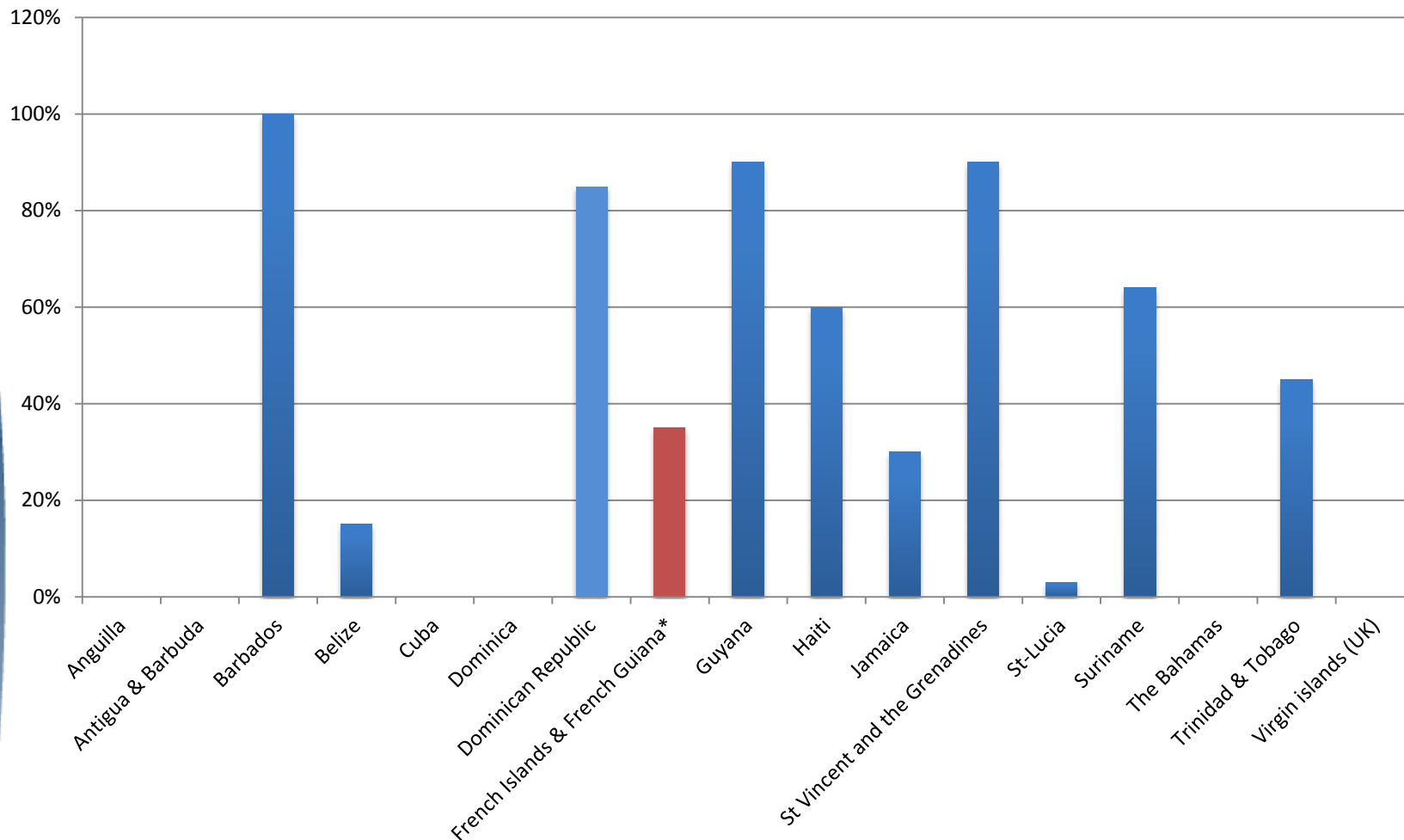
- Established Caribbean Spectrum Management Steering Committee (SMSC) and Task Force (SMTF) **Multi-stakeholder**
- Convened multiple consensus and capacity building workshops of the SMTF and stakeholders
- Developed a Caribbean Spectrum Management Strategic Plan 2016 – 2018 inclusive of recommendations for DSO and TVWS
- Guidelines NOT legal mandates

DBS in the Caribbean

- DTV in Operation:
 - Puerto Rico (Full power stations) [ATSC]
 - French Overseas Territories [DVB-T]
 - Guadeloupe, Martinique, St. Martin, St. Barthelmy
 - USVI [ATSC]
 - Curacao [DVB-T]
 - St. Maarten [DVB-T]
- Planning national deployments:
 - CTU countries
- Some application-specific deployments e.g. Green Dot in T&T et al

Terrestrial TV in the Caribbean

Terrestrial TV penetration



CTU's Goals for DBS Framework

- Ideally to harmonise:
 - Broadcast technology standard
 - Spectrum allocations
 - Band plans
 - Network design approach
 - Transition management checklists
 - Analogue switch-off targets

Harmonisation Challenges

- Different locations on the transition road
- Different goals, motivations, momentum to date
 - Work already done
 - Decisions already made
 - Implementations in train
- Assorted regulatory frameworks and institutions (single or multiple regulators)
- Broadcasters on board?
- Resources and funding
- Time constraints

Strategic Plan DSO/TVWS Provisions

Digital Switchover & Whitespace Management

1. Caribbean countries should have a harmonized approach to determining the most suitable DTT and STB standard for their local needs.
2. A distribution model which encourages a common carrier infrastructure should be adopted.
3. Countries should create an enabling environment through which TVWS technologies can facilitate national and regional needs.

- Countries determine the most suitable DTT and STB standard for their local needs.
- Develop the appropriate commercial and regulatory environment nationally to facilitate implementation of a common carrier distribution model
- Harmonise spectrum allotted for TVWS technologies

VHF / UHF Current Usage

(MHz)	174-216	470-512	512-608	608-614	614-698	698-806
ATG						
BAH						
BRB						
BLZ						Mobile
DMA						Mobile
GRD						Mobile
GUY						
JMC						Mobile
KNA						Mobile
LCA						Mobile
SUR						
TRD						Mobile
VCT						Mobile



CTU

Thank you!
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