



ITU Regional Radio Communications Seminar for the Americas 2014

Topic: International Mobile Telecommunications

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BACKGROUND INFORMATION ON ECTEL

- Eastern Caribbean Telecommunications Authority (ECTEL) was established in 2000 by a treaty signed by the governments of Dominica, Grenada, St Kitts and Nevis, Saint Lucia and St Vincent and the Grenadines.
- National Telecommunications Regulatory Commission (NTRC) was established by the Telecommunications Act in 2000 in each ECTEL Member State.
- ECTEL and the NTRCs are responsible for regulating the telecommunications sector which includes inter alia
 - To promote introduction of advanced telecommunications technologies and an increased range of services in the Contracting States;
 - To promote open entry, market liberalisation and competition in telecommunications of the Contracting States;
 - To promote fair pricing and the use of cost-based pricing methods by telecommunications providers in the Contracting States;
 - To prepare and maintain a harmonised regional radio spectrum plan.



ECTEL REGIONAL SPECTRUM MANAGEMENT PLAN

- The ECTEL Regional Spectrum Management Plan (Spectrum Plan) was first published in June 2006 and revised in June 2012.
- The ECTEL Regional Spectrum Management Plan designates the general purposes for which each frequency band can be utilized.
- The Spectrum Plan generally follows the ITU Radio Recommendations for Region 2 , however some modifications were made to accommodate operational factors .
- The Spectrum Plan designates a Table of Frequency Allocations which covers the frequency range 9 kHz to 275 GHz.
- The June 2012 revision of the Spectrum Plan included provisions for allocation of spectrum for International Mobile Telecommunications (IMT) spectrum bands.



IMT and Bands Recognized in ECTEL

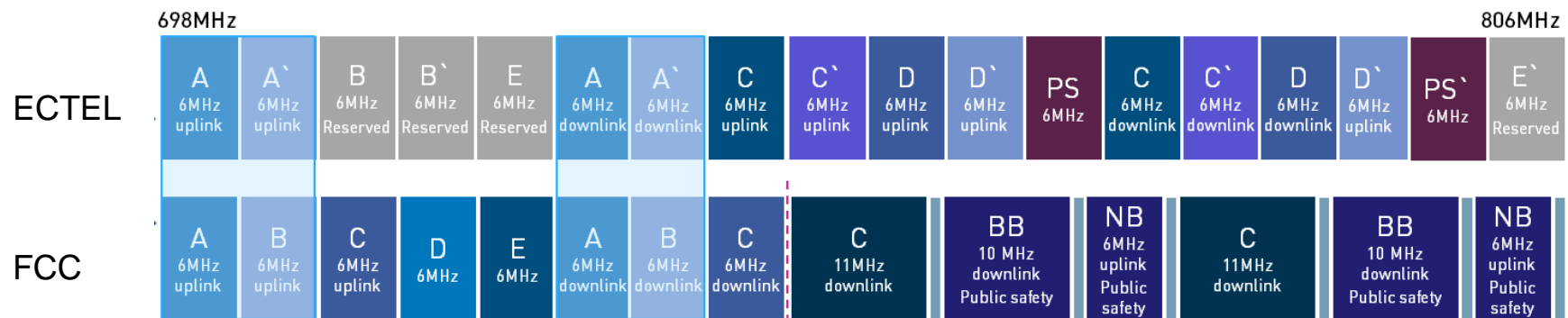
- ITU has defined frequency bands for International Mobile Telecommunications (IMT) for provision of public mobile telecommunications and wireless broadband services
- ECTEL has adopted certain IMT bands as indicated below

Frequency Band (MHz)
698-806
824-960
1710-2025
2110-2200
2300-2450
2520-2690
3400-3700



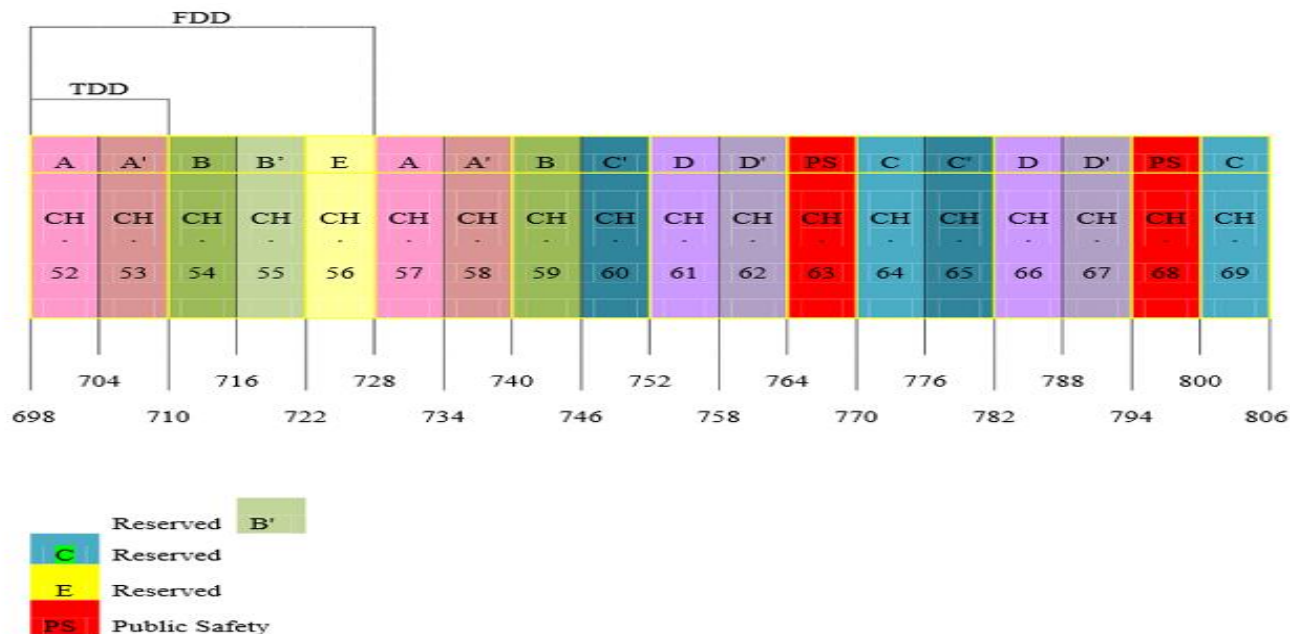
700 MHz BAND PLAN

- In 2009 ECTEL adopted a modified version of the FCC 700 MHz band plan .
- The Spectrum in 700 MHz band was allocated to Wireless Broadband and Public Mobile Telecommunications Services.



700 MHz BAND PLAN

- Due to anticipated high demand for spectrum in 700 MHz band, and the limited availability of 700MHz spectrum, ECTEL developed a mechanism specifically to assign 700 MHz spectrum in 2012.
- In 2013 ECTEL revised its 700 MHz band plan to align closer to that of the FCC 700MHz band plan.
- It is hoped that assignment of 700MHz spectrum will begin and that advanced mobile broadband services such as LTE will be deployed in early 2015.



FUTURE PLANNING

- ECTEL will be looking to revise its Spectrum Plan some time after WRC-15
- ECTEL will also need to re-farm some of the frequency bands in the 850MHz, 900 MHz, 1800 MHz and 1900 MHz to accommodate more bandwidth demanding technologies such as HSPA+, LTE, etc.
- Consult with providers, stakeholders, public, etc on adoption of band plans for mobile broadband services.



**THANK YOU FOR YOUR
KIND ATTENTION**

*****END*****

