

Spectrum Management 2009

Industry Association Roundtable

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- **Membership – Wireless Broadband System Operators, Application Providers and Manufacturers**
- **Objective – promote legislative and regulatory environment that facilitates a competitive marketplace for wireless broadband services**
- **Philosophies**
 - Technological neutrality
 - Parity among like services, tempered by appreciation of their differences

WCAI In 2009

- Primary Focus:
 - FCC's development of National Broadband Plan
 - ARRA Economic Stimulus
- Objective:
 - Securing US broadband policies that address America's increasing demand for MOBILE access to broadband services.

- **The Bandwidth Squeeze**
 - Consumers are using more bandwidth



- **And it will only get worse**



Solutions?

- Demand Side
 - Manage bandwidth
 - Eliminate unlimited pricing
- Supply Side
 - Cell-splitting
 - Femtocells
 - Wi-Fi
 - More spectrum

More spectrum?

- **700 MHz**
 - Future of D Block and Private/Public Safety Partnership?
- **WCS (2305-2320/2345-2360 MHz)**
- **BRS/EBS (2.5 GHz)**
 - BRS re-auction starts 10/27/09
 - EBS white space auction starts ????
- **AWS-3 (2155-2175 MHz)**
- **AWS-2 (1915-1920/1995-2000 MHz, 2020-2025/2175-2180 MHz)**
- **TV White Spaces**
- **3650-3700 MHz (effectively limited to lower 25 MHz)**

Finding more spectrum

- “Radio Spectrum Inventory Act” (S. 649) (Snowe-Kerry)
 - FCC and NTIA to biennially inventory from 300 megahertz to 3.5 gigahertz, including:
 - the licenses or government user assigned in the band;
 - the total spectrum allocation, by band, of each licensee or government user;
 - the number of intentional radiators and end-user intentional radiators deployed in the band with each license or government user; and
 - if such information is available—
 - the type of intentional radiators operating in the band;
 - the type of unlicensed intentional radiators authorized to operate in the band;
 - contour maps that illustrate signal coverage and strength; and
 - the approximate geo-location of base stations or fixed transmitters.
 - Agencies must create website to make the inventory available to the public (subject to security requirements).
 - Requires “all necessary efforts” to update the information in “near real-time fashion” and whenever there is a transfer or auction of licenses or change in allocation or assignment.

2.5 GHz Transition

- **Timeline**
 - January 20, 2009 – Deadline for submitting Initiation Plans
 - January 21 – April 20, 2009 – 90 day window for licensees not covered by an Initiation Plan to notify FCC and affected licensees of intent to self-transition
 - October 21, 2010 – All transitions should be complete (except in cases of disputes that toll the completion deadline)
 - May 1, 2011 – BRS/EBS “substantial service” deadline
- **Status**
 - Initiation Plans filed for 445 of 493 BTAs
 - 361 Post-Transition Notifications filed
 - 204 Self-Transition Notices filed
 - ± 50 licensees failed to file Self-Transition Notice

THANK YOU!

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