



CSMAC Next Steps

Paige R. Atkins
Associate Administrator
Office of Spectrum Management
National Telecommunications
and Information Administration
(202)-482-1850
patkins@ntia.doc.gov



Next Questions (1)

- What elements should a regulatory framework include for enabling flexible federal access to non-federal spectrum on a shared basis across a broad range of short-, mid-, and long-range time frames?
 - How could this framework balance the "regulatory certainty" that commercial spectrum users and federal agencies need to make longer-term investment decisions for shared access to be viable?
 - What options are available for the Federal Government to incentivize exclusive-use licensees to engage in shared access?

Next Questions (2)

- How should traditional regulatory approaches change to better leverage and incorporate direct federal agency-to-industry collaboration, negotiation, and coordination to enable greater spectrum sharing?
- What are the strengths and weaknesses of measurement-based and sensing-based spectrum sharing methods, and how can the weaknesses be overcome? How can this spectrum sensing and spectrum measurement data be analyzed to identify and address environmental trends pointing towards potential interference situations before harmful interference occurs? Specific bands of interest are U-NII-2B (5350-5470 MHz) and U-NII-4 (5850-5925 MHz).



Next Questions (3)

- Can evolving database and sensing approaches adopted in the U.S. to facilitate a more dynamic spectrum sharing environment be effectively extended to international spectrum management applications? If so, how?
- As we consider opening new frequency bands in the millimeter wave region of the spectrum to support 5G, what are the technology and standardization issues associated with federal/non-federal spectrum sharing, and what specific roles/actions should NTIA take to address these challenges?



Summary

- Draft questions identified to guide future CSMAC efforts
- Questions will be finalized by September 11
- Target completion prior to membership transition