



# **CSMAC RECOMMENDATIONS**

## **NTIA Preliminary Response**

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

# Summary

- CSMAC recommendations from November 2017 assessed to identify NTIA actions
  - Selected actions summarized in this briefing
- Most recommendations are being addressed by:
  - Current ongoing activities
  - Response to new legislation (i.e., MOBILE NOW)
  - Evolving administration policies and priorities
- NTIA actions are subject to change based on resource availability and evolving priorities

# 5 GHz

## Standards and Deployment Scenarios

**In response to the recommendations developed by the 5 GHz subcommittee and approved by the CSMAC, NTIA will:**

- Leverage current NTIA processes or initiatives, including those aligned with the Spectrum Pipeline Act and the provisions of the MOBILE NOW Act, on opportunities and “requirements” for federal/non-federal sharing.
- Establish strategy to more effectively engage in and influence spectrum sharing-related standards through standards developing organizations (SDO) and other technology-related forums.
- Continue working with the FCC, federal agencies, and industry to evaluate and document the effectiveness of the approaches at 3.5 GHz to improve sharing; document lessons learned.
- Continue to apply, enhance and encourage use of “probabilistic” approaches in sharing studies and document in a best practices handbook.

# Enforcement

## Increasing Automation

**In response to the recommendations developed by the enforcement subcommittee and approved by the CSMAC, NTIA will:**

- Leverage interference prediction, detection, and resolution (IPDR) processes and workshops to investigate approaches to automation, possibly including:
  - Standards for interference detection, classification, logging, and report generation;
  - Information sharing program/database of experiences of discovering and identifying interference; and
  - Automation approaches and the costs/benefits of automation at each enforcement process stage.
- Convene future government/industry workshops to help further identify, prioritize, and develop approaches (process, policy and technology) to enhance IPDR between federal and non-federal users.

# Key Band Characteristics

## Commercial Deployment

**In response to the recommendations developed by the key band characteristics subcommittee and approved by the CSMAC, NTIA will:**

- Consider the key characteristics identified by the subcommittee to refine the PPSG's strategic frequency band selection and prioritization processes, including:
  - Propagation and coverage, capacity, contiguity, international harmonization (scale), incumbency issues.

# Spectrum Efficiency

## Policies for Improvement

**In response to the recommendations developed by the spectrum efficiency subcommittee and approved by the CSMAC, NTIA will:**

- Consider the lessons from industry and other commercial practices to improve spectrum efficiency of federal systems.
  - Several of the lessons identified are currently included in federal acquisition policies or being pursued (e.g., Pipeline Act studies).
- Continue spectrum efficiency and incentives efforts:
  - Develop metrics and methods to compare technologies from a spectrum efficiency perspective.
  - Continue to evaluate if market-based or other incentives could be viable and effective “tools” to improve federal spectrum efficiency (e.g., MOBILE NOW).