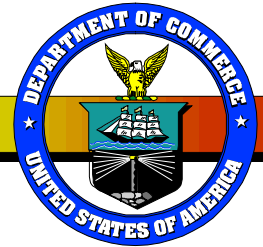# CSMAC RECOMMENDATIONS
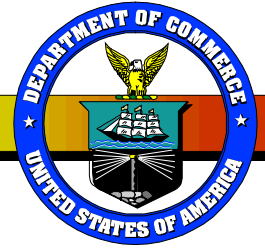# NTIA Preliminary Response
## December 2, 2015

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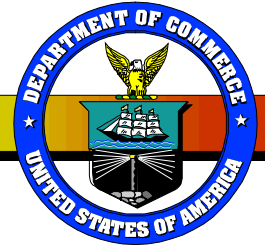**(202)-482-1850**
**patkins@ntia.doc.gov**

# Summary

- **CSMAC recommendations assessed to identify NTIA actions**

- **Many related actions already initiated or part of on-going NTIA activities**

- **New discrete actions highlighted today**

- **All recommendations and NTIA actions will be published on NTIA CSMAC website**
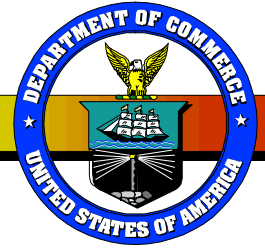
# Spectrum Mgt via Databases

In response to the recommendations developed by the Spectrum Management via Databases subcommittee and approved by the CSMAC:

- **NTIA will assess applicability of web-based coordination to other bands and systems similar to the 70/80/90 GHz coordination portal, which permits public coordination without access to classified or sensitive data. (Q3FY16)**

- **NTIA will coordinate with and request the Wireless Spectrum R&D Senior Steering Group to develop a priority list of research topics such as advanced sharing technologies and techniques to include database approaches. (Q2FY16)**
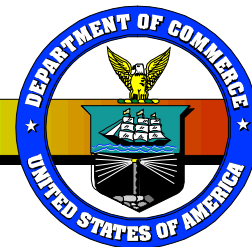
# Spectrum Mgt via Databases

In response to the recommendations developed by the Spectrum Management via Databases subcommittee and approved by the CSMAC:

- **NTIA will assess the need for a federal Spectrum Access System (SAS) and associated requirements. (Q4FY16)**

- **NTIA will study how a federal SAS might be implemented and an associated roadmap. (Q4FY17)**

- **NTIA will support the White House Spectrum Policy Team to, consistent with applicable law, assess and implement policies for sharing of classified, sensitive, or proprietary data [with authorized parties] regarding assignments, utilization of spectrum, system configurations, business plans, and other information.**

# Bi-Directional Sharing

In response to the recommendations developed by the Bi-Directional Sharing subcommittee and approved by the CSMAC:

- NTIA (and the IRAC) will review the NTIA Manual to clarify scope of current authorities to allow federal users secondary (or co-primary) access to non-federal spectrum. (Q1FY16)

- NTIA will identify regulatory changes (and file a rulemaking petition with the FCC if necessary) to enable co-equal use rights for Federal users sharing non-Federal. (Q3FY16)
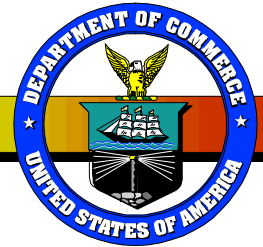
# Government and Industry Collaboration

In response to the recommendations developed by the Government and Industry Collaboration subcommittee and approved by the CSMAC:

- NTIA will leverage the PPSG SWG to identify, assess and prioritize topics for increased government/industry collaboration. (Q2FY16)

- NTIA will develop a detailed government/industry collaboration implementation plan, and initiate execution, based on the current framework endorsed by the CSMAC.   (Q3FY16)
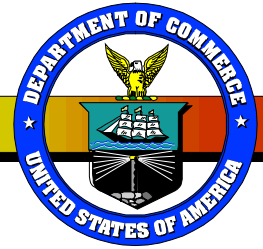
# Measurement and Quantification

In response to the recommendations developed by the Measurement and Quantification subcommittee and approved by the CSMAC:

- NTIA will perform measurement applicability analysis on the 1300-1390 MHz band. (Q4FY16)

- NTIA will perform initial spectrum occupancy measurements in the 1300-1390 MHz band in a geographic area determined from the measurement applicability analysis. (Q3FY17)

- NTIA will document the Quantitative Assessment effort, including data collection and verification requirements, and methodology to analytically quantify spectrum usage in terms of frequency (bandwidth), geography and time. (Q4FY16)
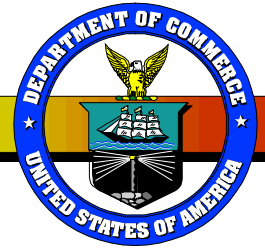
# Enforcement

In response to the recommendations developed by the Enforcement subcommittee and approved by the CSMAC:

- NTIA will study potential mechanisms for effective enforcement based on a case study of the Terminal Doppler Weather Radar interference from unlicensed devices.  Mechanisms will include (but are not limited to): 1) defining harmful interference; 2) unique identification and classification of signals; 3) spectrum monitoring; 4) improving equipment certification processes; and 5) transparency and sharing of interference data. (Q4FY16/Q1FY17)
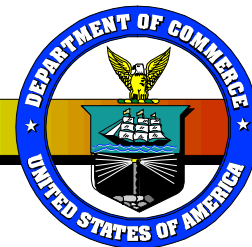
# Spectrum Sharing Cost Recovery

In response to the recommendations developed by the Spectrum Sharing Cost Recovery subcommittee and approved by the CSMAC:

- **Deferred pending ongoing discussions**

# Way Forward

- **All recommendations and NTIA responses will be published on NTIA CSMAC website**

- **NTIA actions will be summarized to include completed, ongoing and new**

- **NTIA actions subject to change based on resources available and evolving priorities**