CSMAC RECOMMENDATIONS
NTIA Preliminary Response

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Summary

- **CSMAC recommendations from August 2016 assessed to identify NTIA actions**

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

- **New discrete actions highlighted today**

- **NTIA actions are subject to change based on resource availability and evolving priorities**

Measurement and Sensing in 5 GHz

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

- Develop a handbook of best practices for performing spectrum management measurements to support sharing. Initial focus will be 5 GHz, but will extend over time. (Interim Report 4QFY18; Final Report 4QFY19)

- Extend the Federal Government Spectrum Compendium to 7 GHz. The spectrum compendium provides information, releasable to the public, describing federal spectrum usage. (4QFY17)

- Prepare a white paper identifying potential opportunities or barriers for federal radio services to use beaconing, or other technologies, to augment the detectability. This will include lessons learned from the 3.5 GHz band, as appropriate. (4QFY17)

5G

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

- Develop an overall plan to ensure the recommended study elements, and agency specific requirements, are addressed in all domestic, international, and standards related work. (3QFY17)

- Develop a strategy, in collaboration with FCC, the agencies, and industry to effectively engage in 3GPP in order to incorporate key spectrum sharing elements that could facilitate sharing with federal users. (3QFY17)

Government – Industry Collaboration

In response to the recommendations developed by the Government – Industry Collaboration subcommittee and approved by the CSMAC, NTIA will:

- Generate a whitepaper that describes the rules and procedures in place that dictate the methods for, and the limitations of (and lessons learned), sharing sensitive and/or classified information. (3QFY17)

- Assess the benefits and limitations of having a classified component to the CSMAC. (4QFY17)

Federal and Non-Federal Sharing

In response to the recommendations developed by the Federal and Non-Federal Sharing subcommittee and approved by the CSMAC, NTIA will:

- Develop a reference document for sharing, including approaches, current federal/non-federal examples (e.g., public safety), and lessons learned. (4QFY17)

- Create a Spectrum Sharing Repository that will contain proven, experimental, and theoretical approaches to sharing. Explore the feasibility of adding existing sharing MoUs to the Repository (as examples for reference). (3QFY17)

- Explore challenges and opportunities of federal agencies and non-federal entities to enhance their access to each other's spectrum, facilities, networks, etc. (3QFY17)

- Conduct a workshop that will address the use cases for federal access to non-federal spectrum, and the barriers and potential solutions, to fed and non-federal spectrum sharing. (4QFY17)

SAS/Spectrum Data Base International Extension

In response to the recommendations developed by the SAS/Spectrum Data Base International Extension subcommittee and approved by the CSMAC, NTIA will:

- Define priorities and challenges to successful sharing approaches applicable to international implementation; and develop a strategy to address those challenges (technical, outreach (including standards bodies), etc.). (4QFY17)

- Research techniques to better characterize waveforms in a composite manner to enable sharing while protecting sensitive information. (1QFY18)

- Document current spectrum sharing R&D activities, gaps, and recommendations for more robust NTIA engagement and dissemination for relevant programs as part of the our Strategic Communications/Collaboration Plan. (4QFY17)