

# CSMAC 5G Subcommittee Report

May 4<sup>th</sup>, 2017

# Membership

## Co-chairs:

- Mariam Sorond (mariam.sorond@dish.com)
- Mark Racek (mark.racek@ericsson.com)

## NTIA Liaison:

- Rangam Subramanian ([RSubramanian@ntia.doc.gov](mailto:RSubramanian@ntia.doc.gov))
- Amy Sanders ([asanders@ntia.doc.gov](mailto:asanders@ntia.doc.gov))

## Members:

- Paul Anuszkiewicz
- Tom Dombrowsky
- Dale Hatfield
- Mark Lewellen
- Allen MacKenzie
- Donna Murphy
- Janice Obuchowski
- Carl Povelites
- Charla Rath
- Dennis Roberson
- Steve Sharkey
- Chris Weasler

# Study Question

- What technologies (including waveforms and architectures) might be included in 5G standards to facilitate sharing between federal and non-federal systems?
  - Among other things, please consider specifically the key receiver performance requirements for sharing, particularly with respect to IoT devices, including a device's capacity for resilience and interference detection and avoidance.
  - Consider any 5G-specific technologies that might facilitate interference prevention, detection, and resolution.
  - Identify the standardization challenges with respect to such technologies and what actions NTIA should take to address these challenges.
- What commercial 5G deployment scenarios (e.g., specific commercial use cases) exist that could potentially maximize the shared use of this spectrum (e.g., dynamic shared access between federal and non-federal users)?

# Work Plan

## Meetings

- The subcommittee held one meeting in April and will continue with monthly meetings
- Recommendations are due Dec. 2017
- Next Meeting May 12th

## Status

- Initial plan is to ensure questions are properly understood
- Questions were compiled and will be shared with the NTIA liaisons on May 5th
- Feedback discussion at next meeting.