FY 2015 CSMAC SUBCOMMITTEE STATUS UPDATE (as of February 17, 2015)

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
Bi-directional Sharing	Janice Obuchowski Jennifer Warren	Richard Orsulak (SAID)	Target Question(s): • **Question 1**: What methods can be used to allow federal agency access of non-federal bands, particularly for large, intermittent exercises and emergency use? • **Question 2**: Would federal users be expected to pay for temporary spectrum access? • **Question 3**: Would such access only be available if the nonfederal licensee does not have an immediate, short-term or long-term need to operate in the spectrum and location in question? • **Question 4**: What band and location combinations can support large federal exercises or emergency • Expected Focus of Work— • Report Submitted Targeted Completion Date— Submitted on January 13 • Goal(s) Discussed at Last CSMAC Meeting— Present recommendations	• Subcommittee approved report on January 9 • To be submitted to NTIA before January 26 for full CSMAC consideration and vote • Questions from the group. 1. What spectrum management tools (e.g., models, databases) are available to use or can be modified for use to promote sharing? 2. What are the regulatory/legal issues that would prohibit bi-directional sharing opportunities and what needs to be changed to allow it? 3. What is the direction that OSM senior leadership wants the SC to go? 4. Are there any roadblocks to bi-directional sharing efforts? 5. Recommended Options: --**Federal Agency access to non-federal communications network.** --**Secondary Access by Federal Agency for use of "unused commercially licensed spectrum" --no interference protection.** -- **Secondary Access by Federal Agency – Interference Protection.** **We would recommend that the NTIA and FCC explore regulatory or legislative options to facilitate federal users obtaining use rights co-extensive with the licensees (e.g., use for period of license) if there are any prohibitions or constraints currently in place**

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
Enforcement	Mark Crosby Dale Hatfield	Rob Haines (SPD) Yang Weng (SEAD)	• Target Question(s): • **Question 2**. How would negotiated coordination agreements or other sharing arrangements be enforced and by whom? • <u>Question 3</u>: In a Shared spectrum environment where many consumers have widespread access, what additional tools do the FCC and NTIA need to ensure compliance with sharing criteria or arrangements? • • <u>Expected Focus of Work</u>—Development of recommendations in response to five questions NTIA has assigned to the subcommittee. • <u>Targeted Completion Date</u>—February 18, 2015 CSMAC meeting. • <u>Goal(s) Discussed at Last CSMAC Meeting</u>— • Recommendations for CSMAC consideration at February meeting.	• The subcommittee will meet January 28 to consider draft recommendations in response to the assigned questions.

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
Transition Sharing	Thomas Dombrowsky Mark Gibson	Mike Doolan (SEAD) Gary Patrick (SPD)	• <u>Target Question(s):</u> • What analysis methods should be used to govern transitional sharing? • Would analysis tools be used to determine, based on predictions and without direct negotiation among the parties, at what locations and frequencies two or more specific operations could potentially co-exist at the same or different times? • How could such tools be used to better inform or help facilitate direct negotiations among the parties? • For agencies that do not have adequate staff resources how would such criteria, methodologies, processes and procedures minimize direct negotiations. • Why would federal users be willing to rely on new tools and approaches that they have not been willing to use thus far? • How should transitional sharing processes and costs be resourced?<u>Expected Focus of Work</u>—Report<u>Targeted Completion Date</u>— Feb 2015 • <u>Goal(s) Discussed at Last CSMAC Meeting</u>—	• The Co-chairs will present a paper with finalized recommendations at the February 2015 CSMAC meetnig. The Working Group will then sunset. • Update 1/13/2015 - There have been no meetings or updates since November 18, 2014. The co-chairs were contacted on January 9, 2015. Mr. Gibson wrote (and reiterated) "All we need to do is complete the report, which will be done soon."

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
Measurement and Quantification	Mark Crosby Mark McHenry	Antonio Lavarello (SEAD)	• Target Question(s): • How many general occupancy measurements be performed to reflect or validate actual federal spectrum use in a way that can support spectrum management decisions regarding relocation or sharing of spectrum. • How should actual federal spectrum use be quantified with or without supplemental occupancy measurements? • Expected Focus of Work— • Two answers have been drafted but not finalized. Further editorial content is needed. • Target Completion Date—TBD • Goal(s) Discussed at Last CSMAC Meeting— • There have been no meetings since the meeting on Dec. 17th. Back and forth communication by e-mail has presented a need for further editorial comments for the subcommittee to review and comment.	• The subcommittee needs more telecom meetings to provide further editorial content. Possible upcoming meeting on Jan 21st.

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
SM via Databases	Larry Alder Mark Gibson	Wanda Covington-Ragsdale (SPD) Ken Taylor	• Target Question (s): • "How can sensitive and government classified operations be included and protected using a database-driven sharing approach, particularly one that strives toward real-time responses?" • Expected Focus of Work— • Targeted Completion Date—Final report on this question at Feb 2015 meeting. • Goal(s) Discussed at Last CSMAC Meeting—Finalize recommendations on this question and start on the next one.	• Committee met December 11th. The members focused on reviewing and commenting on recommendations two and three of their document. They worked to clarify what the subcommittee's intention for the recommendations was and whether it has been achieved. There was a lot of progress made and one member volunteered to incorporate the comments into those recommendations and make them clearer. The subcommittee does have a question for Ms. Atkins for clarification on NTIA's role and level of authority over the federal agencies with respect to data classification; this will follow in a few days. Time ran out to discuss the committees next questions and the members decided these could be discussed via e-mail and finalized at the next meeting in January. Plan on meeting in Jan-Feb time frame.

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
Pay for Spectrum Sharing	Michael Calabreese Charla Rath	Fred Matos (SAID)	Target Question-"How should federal agencies be resourced to develop and implement sharing with non-auction licensees or services, such as unlicensed device?" Expected Focus of Work—Limit to recommendations of what can be done without additional legislation Targeted Completion Date—Recommendations by following meeting (not February) • Goal(s) Discussed at Last CSMAC Meeting—To finish research/interviews • Consider any "tweaks" to CSEA that could at least incrementally address the question	Ongoing research/expert interviews on CSEA/UTAM/restrictions contained in Miscellaneous Receipts Act • Conduct interview with OMB, NTIA, FCC DoD

Subcommittee	Co-Chairs	CSMAC Liaison	Goals	Status
Government and Industry Collaboration	Thomas Dombrowski Steve Sharkey	Rangam Subramanian (SPD)	• <u>Target Question:</u> 1. Recommending type of spectrum issues NTIA can prioritize for enhanced collaboration to include those requiring sensitive/classified information exchanges. 2. Recommending how can NTIA most effectively leverage existing or emerging entities to include CSMAC, PPSG, NASCTN, and CAC to streamline efforts, minimizing the burden on participating organizations. 3. Modification, if any, of the draft framework to most efficiently and effectively achieve the desired collaboration. • <u>Expected Focus of Work</u>— Question 3. For question 2 limited discussions have taken place on PPSG and CSMAC, but no details. Q1 has not been discussed so far • <u>Targeted Completion Date</u>— Feb 09 for Q3. TBD for (Q1) and (Q2) – will base it on the discussions at the CSMAC meeting. • <u>Goal(s) Discussed at Last CSMAC Meeting</u>— (1) Progress on the previous collaboration framework document. (2) Discuss Q1 and Q2 if time permits.	• Subcommittee shelved its own earlier framework collaboration document, in response to question 3, since the subcommittee assessed that the feasibility of implementing the recommendations is not feasible under FACA regulations. • However, the subcommittee has prepared a new presentation recommending that NTIA in collaboration with FCC and federal agencies should initiate non-decision making discussions with affected stakeholders on spectrum issues. It also expressed concern on how to engage with federal agencies on national security concerns. It has asked NTIA to prioritize identifying additional spectrum below 6 GHz, in addition to the ongoing 3.5G and 5G. • Subcommittee is requesting information from NTIA on the next steps forward. • No specific comments on Q1, Q2 or any suggestions for subcommittee to continue or new issues to be discussed. • **<u>Suggestion:</u>** • **<u>1) consider acting on recommendation 1;</u>** • **<u>2) Consider replacing subcommittee activity with small collaborative industry-government focus groups, with targeted issues and goals.</u>**

NOTES: NA