

Framework for Work within CSMAC

Purpose: To create 5 Working Groups (WG) to consider ways to facilitate the implementation of commercial wireless broadband in the 1695-1710 MHz and 1755-1850 MHz band. When coordinating with the FCC on any steps related to an auction and reallocation of these bands, NTIA will take into consideration the CSMAC recommendations emerging from the Working Group efforts.¹

Participant Selection: All members of the CSMAC may participate. NTIA will invite federal and non-federal organizations that are not affiliated with members on the full Committee to participate in the Working Groups. In addition to private sector and agency participants, each Working Group will include a CSMAC Member who will act as a liaison to the Committee and any other CSMAC Members who choose to volunteer as participants.² NTIA will solicit private sector participants via direct invitation, CSMAC announcement, and a note on the CSMAC webpage. NTIA requested agency participants via the PPSG. One or more NTIA staff and one of more FCC staff will participants participate in each Working Group.

Work Management: Working Groups will be co-chaired by industry and agency participants. The Working Groups will report directly to the CSMAC (at the Committee).³

Work Processes: Working Groups will meet as determined by the WG Co-Chairs and may meet where they choose. Co-chairs and participants should consider teleconferencing as appropriate. A CSMAC member will act as liaison to the Committee.

The NTIA Fast Track report, as it pertains to the 1695-1710 MHz band and the 1755-1850 MHz assessment, will serve as the bases for beginning the Working Group discussions. As a beginning point to launch the work, NTIA staff participants will present to the Working Group questions regarding the terms and conditions under which commercial users would be able to avoid (i.e., exclusion zones) or live with (i.e., sharing) Federal systems. The specific questions will vary in number and scope depending on the applications associated with each Working Group.

Success of the discussions will require cooperation. Participants will determine what information they can share and how to manage its use in the context of the Working Group's deliberations. NTIA expects the members of the Working Groups to be prudent in their conduct as participants in the Working Group. Each Working Group would be free to adopt its own "ground rules" to avoid premature release of information, if necessary. Similarly, individual Working Group members should be able to meet or exchange sensitive information "offline" and bring it to the group if they believe it would inform the

¹ Any recommendations from the CSMAC will enable NTIA to work with the FCC to formulating service rules for the band, including terms of sharing and required protections and will not replace the normal coordination process that needs to occur between the FCC and NTIA, which will include draft rulemakings to be circulated to the NTIA IRAC under the FCC/NTIA MOU.

² Each Working Group must have a CSMAC Member participating.

³ NTIA envisions that agency participants will keep informed NTIA's Policy and Plans Steering Group concerning progress within the Working Groups.

deliberations. If a group identifies a requirement for discussion of classified or otherwise sensitive information, the government participants will identify any appropriate method and controls to do that.

The output of the various Working Groups will also vary based on the issues associated with the applications and identified within the group.

The Working Groups will produce written outputs recommending to the CSMAC concerning approaches to sharing, transition and/or relocation of the band that will determine the steps that will have to be taken and any factors that may reduce the projected costs, or limitations or restrictions on spectrum availability. In the case of the 1755-1850 MHz band, the work should consider the steps that might support earlier auction and entrance of service providers into the 1755-1780 MHz portion, where feasible, while maintaining the goal of the entire 1755-1850 MHz band. A critical decision point for each group is a determination of whether incoming industry can or cannot share with a particular incumbent federal system. Where sharing is feasible, the groups should explain the proposed manner of sharing in a way that could potentially be incorporated into service rules.

Outputs should reflect agreed views of industry and government participants.

At the completion of work by a Working Group, the CSMAC will review the output(s) and recommend to NTIA any of the outputs that the Committee supports.

NTIA will review the outputs and determine where and how they can best inform the continuing process of reallocation.

Timing: While parallel progress of Working Group efforts could produce the earliest outcome, staff limits may require conducting some work in series, which could impact the estimated timeline.

Working Groups:

WG1 1695-1710 MHz Meteorological-Satellite

| | | |
|-----------------------------|--|-------------------------------|
| Co-Chairs | Industry | Government |
| | | Commerce/NOAA Ivan Navarro |
| CSMAC Member Liaison | | |
| CSMAC Member Participants | | |
| NTIA POC | Ed Drocella | |
| FCC | Robert Weller and Navid Golshahi | |
| Expected Date of Completion | September 2012 | |
| Expected Focus of Work | Improved modeling of commercial wireless network and possible reduction of exclusion zones | |

WG2 1755-1850 MHz Law Enforcement Surveillance, EOD, and other short distance links

| | | |
|-----------------------------|--|------------|
| Co-Chairs | Industry | Government |
| | | DHS or DOJ |
| CSMAC Member Liaison | | |
| CSMAC Member Participants | | |
| NTIA POC | Rich Orsulak and Scott Jackson | |
| FCC | Robert Pavlak | |
| Expected Date of Completion | January 2013 | |
| Expected Focus of Work | Correlation of agency city by city transition plans with industry implementation priorities, prioritizing vacating the 1755-1780 MHz portion | |

WG3 1755-1850 MHz Satellite Control and Electronic Warfare

| | | |
|-----------------------------|---|------------|
| Co-Chairs | Industry | Government |
| | | DOD |
| CSMAC Member Liaison | | |
| CSMAC Member Participants | | |
| NTIA POC | Rob Haines | |
| FCC | John Kennedy and Peter Giorgio | |
| Expected Date of Completion | January 2013 | |
| Expected Focus of Work | Definition and specification (including any interference acceptance rules) of zones around satellite sites Coordination path and rules for electronic warfare development and training | |

WG4 1755-1850 MHz Tactical Radio Relay and Fixed Microwave

| | | |
|-----------------------------|---|------------|
| Co-Chairs | Industry | Government |
| | | DOD |
| CSMAC Member Liaison | | |
| CSMAC Member Participants | | |
| NTIA POC | Gary Patrick | |
| FCC | Steve Buenzow and Steve Zak | |
| Expected Date of Completion | January 2013 | |
| Expected Focus of Work | Definition and specification (including any interference acceptance rules) of zones around DoD sites that require access Relocation process of fixed microwave links starting from the 1755-1780 MHz | |

WG5 1755-1850 MHz Airborne Operations (Air Combat Trainings System, Unmanned Aerial Vehicles, Precision-Guided Munitions, Aeronautical Telemetry)

| | | |
|-----------------------------|---|------------|
| Co-Chairs | Industry | Government |
| | | DOD |
| CSMAC Member Liaison | | |
| CSMAC Member Participants | | |
| NTIA POC | John Hunter | |
| FCC | Mark Settle, Michael Ha & Chris Helzer | |
| Expected Date of Completion | January 2013 | |
| Expected Focus of Work | Determination of protection requirements for federal operations Understanding of periodic nature and the impact to commercial wireless of government airborne operations | |