CSMAC
Transitional Sharing
Working Group

Status Report
For Discussion at the CSMAC Meeting on
July 10, 2014

WG Members

- Co-Chairs:
  - Tom Dombrowsky
  - Mark Gibson
- Members/Participants
  - Carl Povelites
  - Janice Obuchowski
  - Dale Hatfield
  - Doug McGinnis
  - Tom Sugrue
  - Gary Patrick

Questions

- What analysis methods should be used to govern transitional sharing?
- Would analysis tools be used to determine at what locations and frequencies two or more specific operations could potentially co-exist at the same or different times
- Would these tools be based on predictions and without direct negotiation among the parties?
- 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?

Definitions

- Transitional Sharing
- Protection Zone

Areas of Study

- How to define protection zones
- How to effectuate coordination
- Analysis methodologies & tools
- DoD Portal
- Obtaining data
- Market prioritization
- Resourcing
- Roles (regulators, agencies, licensees, others)

Approach

- Leverage lessons learned from AWS-1
- Review recommendations and study from most recent CSMAC work
- Review/study existing sharing techniques
- Investigate "trusted agent"
- Investigate testing & measurements and review existing measurements results
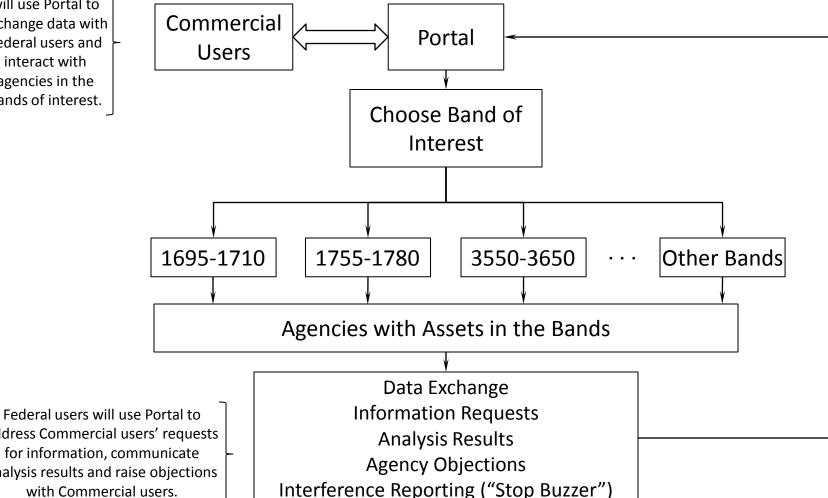
Update

- Last met March 7, 2014
- Work somewhat overtaken by outside activities
  - Trusted Agent meetings
    - Draft *Framework coordination agreement between AWS-3 Licensees in 1755-1780 MHz and Federal Government SGLS Operations in 1761-1780 MHz*
    - *Refined AMT Sharing Zones*
  - Pending release of agency Transition Plans
  - Pending release of joint FCC/NTIA Transitional Sharing PN

Draft Recommendations

- Develop a <u>single</u> portal to support:
  - Exchange of data
  - Interference/sharing analyses
  - Communication of results
  - Could be used to provide commercial input into initial band-sharing discussions

- Involve commercial users in requirements definition for portal development
  - Hold Stakeholder Requirements Definition meetings to engage all users in development of use cases and requirements definition

Draft Recommendations

Generalized Portal Structure

Commercial users will use Portal to exchange data with Federal users and interact with agencies in the bands of interest.

Commercial Users ⟺ Portal

Portal → Choose Band of Interest

Choose Band of Interest → 1695-1710 | 1755-1780 | 3550-3650 | · · · | Other Bands

→ Agencies with Assets in the Bands

Data Exchange
Information Requests
Analysis Results
Agency Objections
Interference Reporting ("Stop Buzzer")

Federal users will use Portal to address Commercial users' requests for information, communicate analysis results and raise objections with Commercial users.

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Draft Recommendations

- Support a series of "Coordination Symposia" (much like those conducted for AWS-1) among stakeholders to:
  - To bring together potential AWS licensees, Federal agencies, regulators and other interested parties to:
    - Exchange information;
    - Discuss sharing, relocation and coordination; and
    - Educate each other concerning issues relating to the 1.7 GHz spectrum migration process.
  - To better understand the Federal agency spectrum clearing process and associated issues.
  - To discuss the agency and carrier coordination processes suggested or required by CSMAC, the FCC and NTIA.
  - To share ideas and address concerns regarding best practices to ensure smooth and timely relocation and transitional sharing prior to relocation.

Draft Recommendations

- Include Trusted Agents in the early distribution of Transition Plans.
  - Should include non-redacted information

- Hold regular meetings (quarterly?) with commercial licensees, FCC, NTIA and Federal agencies to discuss and refine process, identify and resolve issues, and share information.
  - Will help deal with progress and conceptional issues
  - Could also serve as Stakeholder Requirements Definition meetings
  - Could also support additional band-specific Coordination Symposia

Next Steps

- Refine Portal details
  - Consider phased approach and possible time frames
  - Research IRAC implications
  - Study enforcement implications
  - Consider funding models

- Involve Federal users in sharing discussions

- Refine recommendation for regular meetings
  - Consider existing frameworks (e.g., PPSG)
  - Suggest general agenda

- Refine Transitional Sharing process