

SAS/Spectrum Database International Extension

Subcommittee Briefing
CSMAC Meeting
December 2, 2015

SAS/Spectrum Database International Extension

Co-chairs:

- Jeff Reed
- Kurt Schaubach

NTIA Liaison:

- Jonathan Moak

Members:

- Mark McHenry
- Janice Obuchowski
- Rick Reaser
- Steve Sharkey
- Jennifer Warren

Subcommittee held two online meetings since its formation

- November 17th
- November 19th

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Study Question:

Can evolving database and sensing approaches adopted in the U.S. to facilitate a more dynamic spectrum sharing environment be effectively extended to international spectrum management applications? If so, how?

Rephrasing of the Study Question by the Subcommittee:

What are the challenges in using database and sensing approaches for international spectrum management, and how can NTIA help address these challenges?

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Study approach

Identify and study specific spectrum sharing scenarios (e.g., U-NII, 3.5 GHz CBRS, etc.) utilizing databases and/or sensing techniques.

Conduct stakeholder interviews -- people who can push technology and people who can use the technology

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Preliminary report outline

A. Introduction

- Definition of problem being addressed
- Benefits if technologies can be used for international spectrum management
- Summary

B. Background

- Commonality across countries
- History of relevant and examples of technologies today that might be extended internationally (e.g., UNII overview)

C. Challenges

- Technical Challenges
 - e.g., privacy of databases
 - e.g., lack of recall with DFS
 - Recommendations for each challenge, if feasible
- Institutional and Regulator Challenges
 - Socialization and Education
 - Recommendations if feasible

D. Conclusion and Summary