

Wireless Innovation Forum Committee Releases Report Addressing Potential Threat Models to CBRS

CBRS Threat Model Technical Report summarizes a security threat model for various actors and systems involved in CBRS operations around the 3.6 GHz band

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/EINPresswire.com/ -- The [Wireless Innovation Forum](http://www.wirelessinnovation.org) a non-profit international industry association dedicated to driving the future of radio communications and systems worldwide, today announced public availability of a new report produced by its Spectrum Sharing Committee's Security Working Group, led by Charles Clancy of Federated Wireless. "CBRS Threat Model Technical report" was approved by Forum membership and is now available publicly here: <http://groups.winnforum.org/d/do/9219>.



The Citizens Broadband Radio Service (CBRS) system is the subject of a rulemaking by the Federal Communications Commission (FCC) in Docket 12-354. The rulemaking governs spectrum sharing of the band around 3.6GHz, by defining a Spectrum Access System (SAS) which organizes interference protections for incumbents and devices (Citizens Broadband Service Devices, or CBSDs) operating in the Priority Access License (PAL) tier and General Authorized Access (GAA) tier. This document summarizes a security threat model for the various actors and systems involved in coordinating CBRS operations, and addresses the following general areas:

- CBRS assets that are potential targets for adversaries;
- CBRS component interfaces that characterize boundaries of trust;
- profiles of specific threats to assets and interfaces; and
- summary of the presumed capabilities of adversaries.

"Understanding the threats to the SAS ecosystem is critical to developing security requirements and approaches to securing the protocol standards implemented within the ecosystem," said Clancy.

Announced in February 2015 (<http://groups.winnforum.org/d/do/7966>), the SCC supports four working groups, each collaborating working on separate aspects of a common goal: to ensure that the 3.5 GHz band can be successfully commercialized. The SCC working groups are:

- Operational and Functional Requirements (Interoperability Focus)
- Security Requirements
- Protocol Specifications
- Testing and Certification

The SCC was specifically formed to develop the solutions and standards that will encourage rapid

development of the CBRS ecosystem, protect incumbent operations, and benefit all potential stakeholders in the band. The SSC benefits from participation of a broad based group that includes wireless carriers, network equipment manufacturers, potential SAS Administrators, satellite operators, existing 3650-3700 MHz band licensees, and other parties with an interest in the 3550 MHz band. The committee has formed multiple sub-groups/task groups; participation in these work groups and task groups currently encompasses some 120 participants from over 40 different organizations. Work products from the committee can be found here: <http://groups.winnforum.org/ssc-work-products>.

Supported by platinum sponsors Google, Motorola Solutions, Finmeccanica and Thales, WInnForum has several working groups focusing on projects related to SCA and Spectrum Innovation. Visit <http://www.WirelessInnovation.org> to learn more. Individuals or organizations wishing to participate in WInnForum Working Groups should contact Lee Pucker at Lee.Pucker@WirelessInnovation.org.

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