

Wireless Innovation Forum Spectrum Sharing Committee Publishes Two New Reports

“SAS to CBSD Interface Protocol Technical Report-B” and “SAS to SAS Interface Technical Report-B” now available publicly for download



For Immediate Release

Washington, DC – 7 April 2016 – The Wireless Innovation Forum announced today the release and public availability of its Spectrum Sharing Committee’s (SSC) “SAS to CBSD Protocol Technical Report-B” and “SAS to SAS Interface Technical Report-B”. Related reports also published recently include the “Interim SAS to CBSD Protocol Technical Report-A” which was released in November 2015 (document available here: <http://groups.winnforum.org/d/do/8699>) and the “Interim SAS to SAS Protocol Technical Report A” released in February 2016 (<http://groups.winnforum.org/d/do/8834>). All reports were produced by Working Group 3 (WG3) - Protocol Specifications (see below for working group descriptions).

The SAS to CBSD Interface Protocol Technical Report-B (downloadable here <http://groups.winnforum.org/d/do/9032>) details information flows and functional description relating to SAS and CBSD operation. The main goal of this report is to enable initial testing and trials of CBRS systems. WG3 will use this document, Interim SAS to CBSD Protocol Technical Report-A and any other relevant technical reports to develop SAS to CBSD Protocol Technical Specification (TS). The TS will be developed in phases and published according to the work progress. Production of this report was led by group chair **Prakash Moorut** of *Nokia* (NYSE: NOK).

“Nokia sees the release of the SAS to CBSD Interface Protocol Technical Report-B as a major achievement which, along with the previously released SAS to CBSD Protocol Technical Report-A, will enable initial testing and trials leading to the commercial use of the 3550MHz CBRS spectrum in the U.S.,” said Prakash Moorut, North America Spectrum Lead for Nokia and also Co-Chair of the Protocols Specifications Working Group. “I would like to recognize the efforts by the Working Group members who collaborated diligently to complete this important report in a timely manner.”

The SAS to SAS Interface Technical Report-B (available here <http://groups.winnforum.org/d/do/9036>) describes the protocol by which Spectrum Access Systems (SAS) exchange information as required by the FCC Report and Order 15-47 in order to facilitate access to the band by Citizen’s Broadband Radio Service Devices (CBSDs) connected to other SASs, coordinate operations between and among such CBSDs, provide a stable radio frequency environment for Priority Access License (PAL) licensees, and other functions required for orderly spectrum administration and the fulfillment by the SAS of the responsibilities given it under Part 96. Production of this report was led by **James Ni** of *Federated Wireless* and **Greg Billock** of *Google* (NASDAQ: GOOG).

“Federated Wireless is pleased and honored to work with all Forum members in specifying the SAS to SAS interface Technical Report-B. This technical report, along with a prior release of SAS to SAS interface Technical Report-A, set the initial foundation of the inter-SAS information sharing and operation coordination in managing spectrum. This significant milestone achievement will definitely help establishing the success of the whole industry from equipment manufacturers to network operators in spectrum sharing,” said Mr. Ni who serves as Senior System Architect and Director of SAS Platform for Federated Wireless.

Mr. Billock added "The release of these reports represents a critical milestone on the path toward enabling intensive spectrum sharing in the 3.5 GHz band. Google is proud to have contributed to the work of the group and looks forward to continued leadership from Wireless Innovation Forum in this area."

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 SCC 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, including a Joint WG1/WG3 architecture group and an FSS Incumbent Protection Subgroup under WG1. Participation in these work groups and task groups currently encompasses some 120 participants from more than 40 member organizations.

The Wireless Innovation Forum welcomes all interested organizations to participate in our committees. To learn more about membership options or to apply for membership in the group please visit: <http://www.wirelessinnovation.org/join>.

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About the Wireless Innovation Forum

Established in 1996, The Wireless Innovation Forum (SDR Forum Version 2.0) is a non-profit mutual benefit corporation dedicated to advocating for spectrum innovation, and advancing radio technologies that support essential or critical communications worldwide. Members bring a broad base of experience in Software Defined Radio (SDR), Cognitive Radio(CR) and Dynamic Spectrum Access (DSA) technologies in diverse markets and at all levels of the wireless value chain to address emerging wireless communications requirements. To learn more about The Wireless Innovation Forum, its meetings and membership benefits, visit www.WirelessInnovation.org.

Editorial Contacts

Lee Pucker, 604-828-9876, Lee.Pucker@wirelessinnovation.org or
Stephanie Hamill, 970-290-9543 or Stephanie.Hamill@wirelessinnovation.org