

# Requirements to Ensure Properly Functioning Spectrum Sharing in 3550-3700 MHz band Addressed in New Wireless Innovation Forum Report



*"Requirements for Commercial Operation in the U.S. 3550-3700 MHz Citizens Broadband Radio Service Band" now available publicly for download*

## **For Immediate Release**

**Washington, DC – 18 May 2016** – The Wireless Innovation Forum announced today the release and public availability of the report "Requirements for Commercial operation in the U.S. 3550-3700 MHz Citizens Broadband Radio Service Band," which was produced by the Forum's Spectrum Sharing Committee Working Group 1 (Requirements) chaired by Andrew Clegg of Google (NASDAQ: GOOGL). Editor of the report is Al Jette of Nokia (NYSE: NOK).

"The approval of these requirements represents a significant milestone in implementing the FCC's innovative spectrum sharing framework in 3.5 GHz, and is the result of extensive collaboration among a large and diverse group of stakeholders" said Clegg.

The document defines the requirements on the Spectrum Access System (SAS), Citizens Broadband Radio Service Device (CBSD), End User Device (EUD), Priority Access License (PAL), and General Authorized Access (GAA) equipment in order to define the necessary operation and standards interfaces between such equipment to effect a properly functioning spectrum sharing environment in the 3550-3700 MHz band.

"This was a great collaborative effort from key players across the ecosystem, where each participant brought forth their knowledge and talent. Nokia sees the release of the requirements as a major achievement which will now enable the completion of protocol, security and testing/certification specifications for commercial use of the spectrum," said Jette, Head of North American Standards for Nokia.

Requirements are based on Federal Communications Commission (FCC) rules adopted in the 2015 Report and Order in FCC docket GN 12-354, "Amendment of the Commission's Rules with Regard to Commercial Operations in the 3550-3650 MHz Band". The rules themselves are codified in Part 96 of Title 47 the U.S. Code of Federal Regulations. Requirements described in the document include:

- SAS (general, incumbent protection management, interference management and exclusion zones, administrators, PAL users, GAA users, inter-SAS communications)
- CBSD
- Domain Proxy
- System Integration
- Environmental Sensing Capability
- End User

Issues and change requests can be made here:

[https://winnf.memberclicks.net/index.php?option=com\\_mc&view=mc&mcid=form\\_176912](https://winnf.memberclicks.net/index.php?option=com_mc&view=mc&mcid=form_176912).

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

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

The SSC 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, 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.

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](mailto:Lee.Pucker@WirelessInnovation.org).

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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](http://www.WirelessInnovation.org).

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