Wireless Innovation Forum Announces New Spectrum Standard Specification Project

Goal is to create open source reference implementation of cross-domain standard specification

For Immediate Release

Washington, DC – 25 March 2014 – **The Wireless Innovation Forum**, a non-profit international industry association dedicated to driving the future of radio communications and systems worldwide, today announced the approval of a new project aimed at the development of an open, cross-domain standard specification and an open-source reference implementation of that specification available to the public.The **Open Standard Spectrum Resource Format (Open SSRF)** is a project of the Forum's Spectrum Innovation Committee and is sponsored by Keybridge Global, LLC, Spectrum Bridge Inc, and The MITRE Corporation, and led by Jesse Caulfield of Key Bridge Global, LLC, of the Forum's Spectrum Innovation Committee.

"SSRF is widely adopted by government and military organizations but largely unknown to commercial industry. This Open SSRF project will establish a solid, open-sourced technology foundation for future dynamic spectrum access and joint spectrum sharing initiatives worldwide," said Jesse Caulfield of Key Bridge Global LLC and Chair of this project group. "I am particularly encouraged by the strong support this project has received across industry and government."

SSRF is a government specification published by the Military Communications Electronics Board and is issued under the authority of DOD Directive 5100.35. SSRF is aligned with the National Telecommunications and Information Administration (NTIA) Office of Spectrum Managements Data Dictionary (OSMDD) and the North Atlantic Treaty Organization (NATO) Spectrum Management Allied Data Exchange Format – eXtensible Markup Language (SMADEF-XML). The specification defines standard data elements for the automated exchange of radio-frequency (RF) spectrum-related data that includes:

- RF equipment and antenna parameters
- Spectrum supportability requests and associated host nation replies
- Temporary and permanent frequency proposals and assignments
- Frequency allotments
- Interference reports

Through this project, members of the Forum will collaborate with government representatives to study, propose and implement extensions to the SSRF necessary to support commercial spectrum access systems (SAS) including the database to database exchanges required in TV White Space communications. The goal of the group is to create a standardized strategy and tool kit to describe, store and exchange technical wireless service information that implements and incorporates open, published standards and industry best practices to ensure data integrity and interoperability. The group anticipates that this project will be complementary to the IETF PAWS standard, enabling better support of dynamic spectrum sharing applications.

Other member organizations participating in this project include Artisan Wireless Solutions, Aviacomm, Fraunhofer Institute, Harris Corporation and Idaho National Labs. Other contributors will be announced shortly. At this time, the group is seeking additional participation from the broader community.

"The Forum is pleased to be supporting our members in commercializing this standard," said Lee Pucker, CEO of the Wireless Innovation Forum. "Such projects are critical in developing the ecosystem of technologies, products and services necessary to enable the optimal utilization of spectrum for commercial, civil and defense communications".

Individuals or organizations wishing to participate in this project should contact Lee Pucker at Lee.Pucker@WirelessInnovation.org. More information on the project can be found here: http://groups.winnforum.org/spectrum_innovation_committee.

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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.

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