Project on Elements of Context for Cognitive Radio Based Public Safety Communications Systems Approved at Recent SDR-WInnComm 2014

Resulting report will build on the Forum's ongoing work in Context Aware Cognitive Radio

For Immediate Release

Washington, DC – 1 April 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 the new project: "Elements of Context for Cognitive Radio Based Public Safety Communications Systems." Led by the Forum's Public Safety Special Interest Group, chaired by Daniel Devasirvatham of Idaho National Laboratory, the project was approved at the Forum's annual conference on Wireless Communications Technologies and Software Defined Radio (SDR-WInnComm 2014) in Shaumburg, Illinois, 11-13 March 2014.

"The Forum's Public Safety Special Interest Group has a strong history of creating thought leadership on the use of SDR and Cognitive Radio's ability to change how Public Safety communicates," said Bruce Oberlies of *Motorola Solutions* and Chair of the Forum. "This project will leverage that work and Forum's recent work Context Aware cognitive radio to enhance Public Safety's communication as the context changes through the lifecycle of an incident."

This report is being created for public safety community leadership, researchers and product developers who are planning and developing improved capabilities for real-time management of public safety communications resources. It will build on the Forum's ongoing work in Context Aware Cognitive radio and the existing body of knowledge from the Forum's Public Safety Special Interest Group to:

- examine the role, if any, of Dynamic Spectrum Arbitrage in Public Safety with respect to Context Aware Cognitive Radio,
- provide an application-specific example for researchers developing concepts and tools for Context Aware Cognitive Radio technologies, and
- provide input to researchers and developers addressing real-time communications network management (e.g., tools for Communications Unit Leaders and incident commanders) leveraging reconfigurable and cognitive radio capabilities.

The scope of this report will include a description of Context Aware Cognitive Radio (CACR), a summary of why CACR is relevant to public safety, and a listing of elements of context needed for effective public safety communications resource management.

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.

Wireless Innovation Forum member representatives have initiated and led multiple work efforts that promote their organization's specific objectives through the creation of reports, recommendations and

specifications that are widely used by the advanced wireless community. The importance of these "work products" is reflected in the fact that over 22,000 individual documents were downloaded from the Forum's Work Products **document library** in 2013 alone.

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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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