

## Wireless Innovation Forum Addresses Issues Related to Evolving Complexity of Public Safety First Response in New Report



*"Elements of Context for Cognitive Radio Based Public Safety Communications Systems" shows how context can be used to manage public safety communications and recommends use cases*

### **For Immediate Release**

**Washington, DC, 10 May 2016** – [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 approved by its membership, "Elements of Context for Cognitive Radio Based Public Safety Communications Systems." The report was produced by the Forum's Public Safety Interest Group, led by Daniel Devasirvatham of Idaho National Laboratory, with experts from public safety, industry and government. It can be downloaded here: <http://groups.winnforum.org/d/do/9221>.

This report identifies several elements of context which can be useful for public safety communications and suggests ways in which these elements can be used. It also recommends that the elements of information identified in the report be examined as context inputs and new concepts of operation (CONOPS) be defined as to how they can be used to enhance and continue to the mission of managing major as well as routine incidents. These CONOPS can guide the implementation of context-driven actions in the devices and networks to facilitate the work of the first responder.

Elements of the report include:

- Overviews of the landscape and the role of FirstNet
- Description of context aware cognitive radio
- Context Aware Cognitive Radio for Public Safety: Model and Resources
- Context Inputs for Cognitive Systems
- Applications of Context for Public Safety
- Recommendations

Included in the recommendations is the evolution of new standard operating procedures, CONOPS, and ICS procedures for broadband, to make optimal use of new resources and manage the expected flood of information. In addition, it is noted that spectrum sharing must be addressed. The first responder community has always had exclusive access to its own pieces of spectrum, and continues to need basic communication capability with a level of survivability that far exceeds commercial standards. Programs to develop systems with a hard core of basic communications supplemented by broadband capability are a key recommendation of the report. The report also identifies how context can be used to anticipate needs, reconfigure systems and devices to enhance public safety communications, and enable first responders to focus on their life-saving mission.

Supported by platinum sponsors [Google](http://www.google.com), [Motorola Solutions](http://www.motorola.com), [Finmeccanica](http://www.finmeccanica.com) and [Thales](http://www.thales.com), 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).

**Editorial Contacts**

Lee Pucker, 604-828-9876, [Lee.Pucker@wirelessinnovation.org](mailto:Lee.Pucker@wirelessinnovation.org) or  
Stephanie Hamill, 970-290-9543 or [Stephanie.Hamill@wirelessinnovation.org](mailto:Stephanie.Hamill@wirelessinnovation.org)