IEEE P802.11  
Wireless LANs

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| 802.11 BCS and NGV Study Group Press Release | | | | |
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Abstract

This document contains the draft press release for the 802.11 Broadcast Services and Next Generation V2X Study Groups.

# Process

This press release was authored by the IEEE marketing department (represented by Jeff Pane) after interviewing an 802.11 subject-matter experts (Mark Emmelmann, Hitoshi Morioka, Bo Sun and Hui- Ling Lu). The press release is being notified to the WG and will be notified to the EC for comment.

# Press Release:

# **DRAFT: NOT FOR IMMEDIATE RELEASE**

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**IEEE Announces Formation of Two New IEEE 802.11TM Study Groups**

*Study groups address next-generation applications of wireless access in vehicular environments (WAVE), as well as expanding local broadcast services using IEEE 802.11 WLAN*

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**PISCATAWAY, NJ, XX May 2018** – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the [IEEE Standards Association (IEEE-SA)](http://standards.ieee.org/), today announced the formation of two new study groups focused on advancing the technology and deployment of the IEEE 802.11 standard, commonly referred to as “Wi-Fi®”, in two specific areas: Vehicular Environments and Broadcast Services. Both study groups are in their initial stage, currently encouraging stakeholder participation to define the scope of IEEE 802.11 standard amendments that address each group’s respective field of expertise.

The IEEE 802.11 Next Generation V2X (NGV) Study Group is exploring ways to leverage more recent 802.11 technologies to address new applications of wireless access in vehicular environments, where new requirements for higher throughput, improved reliability and efficiency, and/or extended range are anticipated.

“To support advancements in driverless car technology, car-to-car and car-to infrastructure connectivity, as well as to enable more robust vehicular infotainment offerings, a higher, more reliable and efficient throughput as compared to IEEE 802.11p is foreseeable,” said Bo Sun, chair, IEEE 802.11 Next Generation V2X (NGV) Study Group. “Stakeholders involved in vehicular applications are encouraged to lend their voice in helping advance IEEE 802.11 so that the standard meets all anticipated future requirements in order to increase its adoption in this rapidly expanding market.”

The IEEE Broadcast Services (BCS) Study Group is exploring new use cases for simultaneously broadcasting local information over IEEE 802.11 WLAN without recipients needing to actively connect to an access point, and to do so with enhanced security features in place. Applications include broadcast of “local information” at events, shopping malls, tourist attractions, train stations, airports, etc., but are also well suited for the broadcast of more fluid information, such as vehicular traffic updates, parking availability, emergency information, or information from IoT devices.

“The ever-increasing data and information demands driven by a broadly-connected and mobile public, as well as IoT devices, offers unique opportunities for new local broadcast applications using IEEE 802.11,” said Marc Emmelmann, chair, IEEE Broadcast Services (BCS) Study Group. “While we have seen a good initial response from stakeholders, and an interesting exploration of new use cases, we encourage broader participation so that we can work towards defining a project that addresses all relevant aspects for achieving the most beneficial results for expanding broadcast services utilizing IEEE 802.11.”

For more information, please visit the home pages of the [IEEE 802.11 Next Generation V2X (NGV) Study Group](http://www.ieee802.org/11/Reports/ngvsg_update.htm) and the [IEEE Broadcast Services (BCS) Study Group.](http://www.ieee802.org/11/Reports/bcstig_update.htm)

IEEE 802.11 defines the technology for the world’s premier WLAN products. IEEE 802.11-based products are often branded as “Wi-Fi®” in the market. IEEE 802.11 standards underpin wireless networking applications around the world, such as wireless access to the Internet from offices, homes, airports, hotels, restaurants, trains and aircraft. IEEE 802.11’s relevance continues to expand with the emergence of new applications, such as the smart grid, wireless docking and the “Internet of Things.” For more information about the IEEE 802.11 Wireless LAN Working Group, please visit the [working group’s landing page](http://standards.ieee.org/develop/wg/WG802.11.html).

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**About the IEEE Standards Association**

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 1,250 active standards and over 650 standards under development. For more information visit <http://standards.ieee.org>.

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**References:**