IEEE P802.11
Wireless LANs

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| **Draft Reply LS from 802.11 to VT/ITS 1609 WG** |
| Date: 2019-03-14 |
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Abstract

This document contains draft text for a liaison statement (LS) from IEEE 802.11 to IEEE Vehicular Technology/Intelligent Transportation System (VT/ITS) 1609 Working Group in response to their LS and the information they have provided in 11-19/0027r0.

r1 – multiple editorial changes, addition of a recommended Liaison.

r2 – additional editorial changes, added a reference to the NGV use cases, reformatted the TGbd suggested way forward (same content).

r3 – correct header.

r4 – modification based on the comment at the CAC – the LS is from the WG.

To: IEEE Vehicular Technology/Intelligent Transportation System (VT/ITS) 1609 Working Group
Thomas M Kurihara, Chair, IEEE VT/ITS 1609 Working Group (t.kurihara@ieee.org)

CC: IEEE 802 EC; IEEE VTS President, Alexander Wyglinski (alexw@wpi.edu); Konstantinos Karachalios Secretary IEEE-SA Standards Board, Secretary IEEE-SA Board of Governors (sasecretary@ieee.org); Paul Nikolich, Chair IEEE 802 LMSC (p.nikolich@ieee.org)

Subject: IEEE 802.11 Working Group Reply Liaison Statement to the IEEE Vehicular Technology/Intelligent Transportation System (VT/ITS) 1609 Working Group Liaison Statement on: IEEE 1609 WG Reply to IEEE 802.11 Working Group Liaison Communication Related to Next Generation V2X (NGV) use cases and requirements.

Date: 2019-03-14

**Discussion:**

The IEEE 802.11 Working Group (WG) is pleased to confirm to the IEEE Vehicular Technology/Intelligent Transportation System (VT/ITS) 1609 WG that the “Enhancements for Next Generation Vehicle-to-Everything (V2X)” (NGV) amendment Project Authorization Request (PAR) has been approved and that the amendment will be developed by 802.11 TGbd, a task group (TG) of the IEEE 802.11 WG.

IEEE 802.11 WG thanks the IEEE VT/ITS 1609 WG for establishing a subcommittee to reply to our liaison statement that requested feedback on the NGV usage scenarios [1] and for the information provided in your response Liaison Statement [2].

1. IEEE 802.11 WG agrees with the IEEE VT/ITS 1609 WG position that a WAVE device based on the existing IEEE 802.11p-2010 amendment will meet the current requirements of planned WAVE systems and deployments.

1. IEEE 802.11 WG is encouraged by the IEEE VT/ITS 1609 WG support of TGbd to improve and enhance the operations and performance capabilities of IEEE STD P802.11-2016 to address the use cases [4].
2. IEEE 802.11 WG understands the need for interoperability, co-existence, backward compatibility and fairness between devices based on IEEE STD P802.11p-2010 and any new capabilities and features introduced by the new amendment. In support of this understanding the WG has agreed the following requirement [3]:
“**IEEE 802.11bd amendment shall provide interoperability, coexistence, backward compatibility, and fairness with deployed OCB (Outside the Context of a BSS) devices.”**
3. IEEE 802.11 WG understand that the new capabilities and features being developed for the NGV amendment may have impact on the IEEE 1609 standards and support the concept that an exchange of information is critical to both IEEE 802.11 and IEEE 1609. To ensure the exchange of information IEEE 802.11 WG supports:
	1. Frequent Liaison Statements – to inform and provide feedback on requirements and features as they are developed.
	2. The possibility of appointing a Liaison – to provide direct communication between the two groups. A volunteer would have to be identified.
	3. The possibility of establishing some joint conference calls, to provide direct communication of the participating individuals.
	4. The possibility of joint F2F meetings.
4. IEEE 802.11 WG also notes that all TGbd contributions and working documents are publicly available on the IEEE Mentor server: <https://mentor.ieee.org/802.11/documents?is_group=00bd> and that all TGbd conference calls are open. The time and details of TGbd conference calls are provided on the IEEE 802.11 WG calendar (located on right hand side of the web page): <http://grouper.ieee.org/groups/802/11/>

Hence, the we suggest that:

1. A Liaison be appointed between IEEE 802.11 WG and IEEE VT/ITS 1609 WG.
2. Quarterly joint conference calls be arranged.
	1. Propose the first call be on 2 May 2019 at 20:00 EDT
	2. Propose the agenda be arranged by the Chairs of IEEE 802.11 TGbd and IEEE VT/ITS 1609 WG.
3. A F2F joint meeting be planned.
	1. Propose the meeting occur for one day in coordination with the planed 802 Interim meeting, 12-17 January 2020, in Irvine, California, USA.

Contact information for the 802.11 TGbd Chair: Bo Sun (Sun.bo1@zte.com.cn)

Sincerely,

Dorothy Stanley

IEEE 802.11 Working Group Chair

**Dates of future IEEE 802.11 WG Meetings:**

802 Interim: 12-17 May 2019, Grand Hyatt Atlanta in Buckhead, Atlanta, Georgia, USA

802 Plenary: 14-19 July 2019, Austria Center Vienna, Vienna, Austria

802 Interim: 15-20 September 2019, Marriott Hanoi, Hanoi, Vietnam

802 Plenary: 10-15 November 2019, Hilton Waikoloa Village, Kona, HI, USA

802 Interim: 12-17 January 2020, Hotel Irvine, Irvine, California, USA

802 Plenary: 15-20 March 2020, Hilton Atlanta, Atlanta Georgia, USA

References:

1. IEEE 1609 WG: “Liaison from IEEE 1609 WG re: NGV Use cases and requirements”, [11-19/0027r0](https://mentor.ieee.org/802.11/dcn/19/11-19-0027-00-0000-2019-01-liaison-response-from-ieee-1609-re-ngv-use-cases-and-requirements.docx)
2. IEEE 802.11 WG: “Liaison requesting feedback on NGV usage scenarios”, [Liaison](http://www.ieee802.org/11/Liaisons/2018-07-13-Liaison%20statement%20from%20IEEE%20802.11%20to%20Next%20Gen%20V2X%20parties.pdf), (approved in 802.11 WG as [11-18/1303r2](https://mentor.ieee.org/802.11/dcn/18/11-18-1303-02-0ngv-liaison-requesting-feedback-on-ngv-usage-scenarios.docx))
3. IEEE 802.11 TGbd: “TGbd definitions and requirements”, [11-19/0202r1](https://mentor.ieee.org/802.11/dcn/19/11-19-0202-01-00bd-tgbd-definitions-and-requirements.pptx)
4. IEEE 802.11 NGV SG: “NGV SG Use Cases”, [11-18/1323r2](https://mentor.ieee.org/802.11/dcn/18/11-18-1323-02-0ngv-ngv-sg-use-cases.pptx)