IEEE P802.11
Wireless LANs

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| Draft LS from 802-11 to IEEE/IEEE 5G on the IEEE 5G Roadmap WP |
| Date: 2017-11-10 |
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Abstract

This document contains draft text for a liaison statement (LS) from IEEE 802.11 to IEEE and the IEEE 5G committee on the recently published IEEE 5G and Beyond Technology Roadmap White Paper.

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To: IEEE, IEEE 5G Initiative, IEEE 5G and Beyond Roadmap Project

 Karen Bartleson - IEEE President and CEO

 Marina Ruggieri - IEEE Director & Vice President, Technical Activities

 Gerhard Fettweis - IEEE 5G Initiative Steering Committee Co-Chair

 Timothy Lee - IEEE 5G Initiative Steering Committee Co-Chair

 Harold Tepper – IEEE Future Directions Program Manager

 Micha Dohler – IEEE 5G and Beyond Roadmap Project Co-Chair

 Chi-Ming Chen – IEEE 5G and Beyond Roadmap Project Co-Chair

 Rose Q. Hu - IEEE 5G and Beyond Roadmap Project Co-Chair

CC: IEEE 802 EC, IEEE 802.1 WG, IEEE 802.3 WG, IEEE 802.24 WG

Subject: IEEE 802.11 Working Group Liaison Statement to IEEE and the IEEE 5G committee on the recently published IEEE 5G and Beyond Technology Roadmap White Paper

Date: 2017-11-10

**Discussion:**

The IEEE 802.11 Working Group (WG) would like to share its concerns regarding the recently published IEEE 5G and Beyond Technology Roadmap White Paper [1].

The IEEE 802.11 WG has the understanding that the activities of the IEEE 5G Committee and its IEEE 5G and Beyond Roadmap Project Committee would consider all stakeholders and be SDO neutral. In the IEEE 802.11 WG’s opinion the published White Paper does not meet these basic and essential goals. The published White Paper does not adequately represent 802.11 based technology, its planned role in 5G networks, nor its essential role in current and future networks. The widely accepted role of 802.11 based technologies as part of 5G is well illustrated in the recently published NGMN “5G End-to-End Architecture Framework” document, where it is stated that: *“Among non-3GPP access technologies to be supported by 5G RAN is the 802.11 family, including current 802.11 releases (e. g. 802.11 ac and 802.11 ad) along with future releases (e. g. 802.11ax and 802.11ay). The 5G system shall provide provisions that ensure seamless access point integration, user access and mobility/flow management for Wi-Fi access technologies.”*

While the IEEE 5G and Beyond Technology Roadmap White Paper only briefly mentions 802.11 in the context of a link controlled by 3GPP: *“Notably, one needs to research the architectural and protocol approach to have 3GPP act as a control channel/system for all wireless systems available globally. Going well beyond today’s licensed assisted access (LAA), cellular would be responsible to coordinate various IEEE 802.11™ “Wi-Fi®” and other systems to ensure best possible link performance while offering mobility/roaming, as well as billing.”*

The IEEE 802.11 WG suggests that the IEEE 5G and Beyond Technology Roadmap White Paper be withdrawn until it is updated to include a proper and complete articulation of all 802.11 network and wireless technologies that are essential to 5G and Beyond. In addition, the IEEE 802.11 WG requests that it be made aware of the future work in developing the the 5G and Beyond Road Map and that IEEE 802.11 WG participants be informed and engaged in the road map development. IEEE 802.11 invites the IEEE 5G and Beyond leadership to consider holding a road map meeting in conjunction with an 802 Plenary Meeting.

**Date of Next IEEE 802.11 WG Meetings:**

802 Interim – 14-19 January 2018 in Irvine, California, USA

802 Plenary – 4-9 March 2018 in Rosemont, Illinois, USA

802 Plenary – 8-13 July 2018 San Diego, California, USA

Sincerely,

Adrian Stephens
IEEE 802.11 Working Group Chair

References:

1. [IEEE 5G AND BEYOND TECHNOLOGY ROADMAP WHITE PAPER](https://5g.ieee.org/images/files/pdf/ieee-5g-roadmap-white-paper.pdf)