IEEE P802.11
Wireless LANs

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| Draft Reply LS from 802.11 to NGMN LS on E2E Architectural Framework |
| Date: 2017-11-10 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Joseph Levy | InterDigital Communications, Inc. | 2 Huntington Quadrangle 4th floor, South WingMelville, NY 11747 | +1.631.622.4139 | jslevy@ieee.org |
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Abstract

This document contains draft text for a liaison statement (LS) from IEEE 802.11 to Next Generation Mobile Networks (NGMN), thanking NGMN for their LS and the information they have provided. This draft also requests additional information from NGMN to identify requirements for 802.11/Wi-Fi RITs.

status

To: NGMN Alliance Project P1 E2E Architecture Framework

 Klaus Moschner (klaus.moschner@ngmn.org)

Adrian Neal (adrian.neal@vodafone.com)

CC: IEEE 802 EC, IEEE 802.1 WG, 3GPPliaison@etsi.org, susanna.kooistra@3gpp.org – Liaison Coordinator, Erik GUTTMAN – SA Chairman, Maurice.Pope@etsi.org – SA Secretary, toon.norp@tno.nl – SA1 Chairman, MADEMANN, Frank – SA2 Chairman, PRASAD, Anand – SA3 Chairman, BERTENYI, Balazs - RAN Chairman, KRAUSE, Joern - RAN Secretary

Subject: IEEE 802.11 Working Group Reply Liaison Statement to NGMN on the NGMN Paper on 5G End-to-End Architecture Framework.

Date: 2017-11-10

**Discussion:**

The IEEE 802.11 Working Group (WG) thanks the NGMN Alliance Project P1 E2E Architecture Framework of the NGMN Alliance for sharing the NGMN white paper on: 5G End-to-End Architecture Framework. IEEE 802.11 WG intends to consider the architectural principles and requirements in the white paper and use it as part of the basis for ongoing work.

It is the IEEE 802.11 WG’s understanding that 3GPP RAN will not be considering until some undefined time in the future. “The proposal on NR/non-3GPP integration, interworking and aggregation has been discussed in RAN#75 and may be considered in the future.” [1].

It is also the IEEE 802.11 WG’s understanding the 3GPP SA is currently considering: “a common interface between the access network and the core network that integrates both 3GPP and non-3GPP access types. As part of this work, the 5G core network may connect to the non-3GPP RAT (e.g. WLAN access) via N3IWF function as defined in 3GPP TS 23.501 clause 6.2.9. Release 15 covers only untrusted non-3GPP access. Trusted non-3GPP access is expected to be covered in Release 16.” [2]

The IEEE 802.11 WG believes that it would benefit from additional information and discussion on the NGMN desired performance requirements for:

* Seamless access point integration
* User access
* Mobility/flow management
* Automatic/SON-like solutions for fixed access management and orchestration

Therefore, IEEE 802.11 WG respectfully requests that NGMN to provide its views on the current performance gaps and any performance requirements it has identified related to non-3GPP access networks for 802.11/Wi-Fi RITs.

**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

Sincerely,

Adrian Stephens
IEEE 802.11 Working Group Chair

References:

1. 3GPP TSG RAN “Reply LS to IEEE802.11-16\_1573r4 = RP-170026 to on Requesting status and Technical information on radio-level integration between 3GPP and 802.11 systems”, March 2017, RP-170853, IEEE 802.11-17/0315r0
2. 3GPP TSG SA “Reply LS to IEEE 802.11 Requesting Status and Information on WLAN integration in 3GPP NextGen System”, June 2017, SP-17058, IEEE 802.11-17/0903r0