IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Draft LS from 802.11 to 3GPP SA Requesting Status and Information on WLAN integration in 3GPP NextGen System | | | | |
| Date: 2017-05-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Joseph Levy | InterDigital Communications, Inc. | 2 Huntington Quadrangle  4th floor, South Wing Melville, NY 11747 | +1.631.622.4139 | jslevy@ieee.org |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This document contains draft text for a liaison statement (LS) from IEEE 802.11 to 3GPP RAN TSG requesting RAN provide status and technical information on radio-level integration between 3GPP/NR and 802.11 system.

r1 – The draft was modified based on comments made during the AANI SC teleconference held   
on 1 December 2016, 10:00AM-11:00AM ET.

r2 – The draft was updated to remove notes and provide some additional text and was revised during the May 11 AANI session.

r3 – Missing addresses added, dates corrected, next meeting information corrected, removed references.

status

To: 3GPP SA TSG

[3GPPliaison@etsi.org](mailto:3GPPliaison@etsi.org)

[susanna.kooistra@3gpp.org](mailto:susanna.kooistra@3gpp.org) – Liaison Coordinator

[Erik GUTTMAN](mailto:erik.guttman@partner.samsung.com) – SA Chairman, [Maurice.Pope@etsi.org](mailto:Maurice.Pope@etsi.org) – SA Secretary

Toon NORP, [toon.norp@tno.nl](mailto:toon.norp@tno.nl) – SA1 Chairman

[MADEMANN, Frank](mailto:frank.mademann@huawei.com) – SA2 Chairman

[PRASAD, Anand](mailto:anand@bq.jp.nec.com) – SA3 Chairman

CC: IEEE 802 EC, IEEE 802.1 WG, [BERTENYI, Balazs](mailto:balazs.bertenyi@nokia.com) RAN Chairman, [KRAUSE, Joern](mailto:joern.krause@etsi.org) RAN Secretary

Subject: IEEE 802.11 Working Group Liaison Statement Requesting status and technical information on WLAN integration in 3GPP NextGen System.

Date: 2017-05-12

**Discussion:**

The IEEE 802.11 Working Group (WG) thanks 3GPP SA TSG for considering the liaison statement (LS) sent by the IEEE 802.11 WG on the 9th September 2016 (SP-160691) and deciding to pass it to the 3GPP PCG for further discussion on how the two groups can cooperate. As you are most likely aware, the 3GPP PCG Chairman responded to the IEEE 802 Chairman Paul Nikolich on 23 October 2016 thanking him for the 802.11 WG LS, stating “We believe the existing formal and informal processes are sufficient to achieve successful collaboration.”, and “3GPP looks forward to our continued discussions of potential enhancements to allow improved WLAN integration/aggregation.”. In addition the IEEE 802.11 WG also observed that the 3GPP SA TSG indicated that “SA considers it desirable to continue to improve 3GPP core network integration with WLAN” (SP-160706).

The IEEE 802.11 WG believes that discussions on the following topics may help improve the performance and utility of WLAN integration within the 3GPP core network of the NextGen System:

* Overall System Architecture
* Metrics and Measurements
* Flow Control
* Security
* Pre-Association Services
  + Key management
  + Broadcast Services
* Encapsulation and prioritization

The IEEE 802.11 WG also requests that 3GPP SA TSG provide additional topics that are of interest.

Therefore, IEEE 802.11WG would like to ask the 3GPP SA TSG to provide some insight to their plans and time table regarding improvement of 3GPP core network integration with WLAN.

**Actions:**

To 3GPP SA TSG:

The IEEE 802.11 WG respectfully asks 3GPP SA TSG to:

* Please provide some insight into 3GPP SA TSG’s plans and time table for work regarding WLAN integration within the 3GPP core network of the NextGen System.
* Please provide the 3GPP SA TSG’s opinion on the suitability and relative importance of technical discussion topics listed above.
* Provide suggestions of additional technical topics that 3GPP SA TSG believes should be included in the technical discussions.

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

802 Plenary – 9-14 July 2017 in Berlin, Germany

802 Interim – 10-15 September 2017 in Kona, HI, USA

Sincerely,

Adrian Stephens  
IEEE 802.11 Working Group Chair