IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Draft LS from 802.11 to 3GPP RAN Requesting Status and Information on Radio-Level Integration | | | | |
| Date: 2017-01-18 | | | | |
| 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 |
| Paul Nikolich | Self |  |  |  |
| Hassan Yaghoobi | Intel Corporation |  |  |  |
| Roger Marks | EthAirNet Associates |  |  |  |

Abstract

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

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 – Modified based on discussion at the AANI SC meeting 17 JAN 2017 PM1

To: 3GPP RAN TSG

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

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

[Dino FLORE](mailto:oflore@qti.qualcomm.com)  – RAN Chair, [Joern.Krause@etsi.org](mailto:Joern.Krause@etsi.org) – RAN Secretary

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

CC: IEEE 802 Executive Committee

Subject: IEEE 802.11 Working Group Liaison Statement Requesting status and technical information on radio-level integration between 3GPP and 802.11 systems.

Date: 2017-01-18

**Discussion:**

The IEEE 802.11 Working Group (WG) thanks 3GPP RAN TSG for considering its liaison statement (LS) of 16 September 2016 (RP-161804, sourced from 11-16/1101r10) and passing it to the 3GPP PCG for further discussion on how the two groups can cooperate. The 3GPP PCG Chairman acknowledged the statement to IEEE 802 Chair Paul Nikolich on 23 October 2016 (EC-17/04r0), encouraging “continued discussions of potential enhancements to allow improved WLAN integration/aggregation.” In addition, the IEEE 802.11 WG also observed that the 3GPP RAN Chairman reported to SA#73 that “Technology-wise, from RAN point of view it is desirable to discuss radio-level integration between NR and 802.11 system” (SP-160704).

IEEE 802.11 WG agrees that it is important to continue to discuss radio-level integration between 3GPP RAN and 802.11 WLAN. To further the discussion, we request that 3GPP RAN TSG share the following:

* Plans for completion of core and conformance specifications related to the following 3GPP RAN features: LWA, eLWA, LWIP, eLWIP and their enhancements
* Plans to aggregate and integrate IEEE 802.11 WLAN with 3GPP RAN NR

**Actions:**

To 3GPP RAN TSG:

The IEEE 802.11 WG respectfully asks 3GPP RAN TSG to provide the requested information above.

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

802 Plenary - 12-17 March 2017 in Vancouver, BC, Canada

802 Interim - 7-12 May 2017 in Daejeon, Korea

Sincerely,

Adrian Stephens  
IEEE 802.11 Working Group Chair

**References:**

none

**List of Abbreviations and Acronyms:**

3GPP – 3rd Generation Partnership Project

802.11 WG – Wireless LAN Working Group

802 EC – LAN/MAN Standards Committee Executive Committee

eLWA - Enhanced LTE WLAN Aggregation

eLWIP – Enhanced LTE WLAN Radio Level Integration with IPsec Tunnel

IEEE – Institute of Eclectic and Electronic Engineers

LAN – local area network

LWA – LTE WLAN Aggregation

LWIP – LTE WLAN Radio Level Integration with IPsec Tunnel

LTE – Long-Term Evolution

MAN – metropolitan area network

NR – New Radio

QoS – Quality of Service

RAN – Radio Access Network

SA – Service and System Aspects

TSG – Technical Specifications Group

WG – Working Group

WLAN – wireless local area network