IEEE P802.11
Wireless LANs

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| Proposed liaison to Wi-Fi Alliance in relation to efforts to reduce use of DSSS/CCK rates  |
| Date: 2014-01-23 |
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Abstract

During the January 2014 meeting of IEEE 802.11 TGmc there was considerable discussion on ways to reduce the unnecessary use of DSSS/CCK (1/2/5.5/11 Mb/s) rates.

No decision was made, and it is clear from discussion that more information is needed in relation on current and likely future use cases and market requirements for the DSSS/CCK rates before any decision can be made. The Wi-Fi Alliance is a possible source of such information. At least some contributions suggested that the Wi-Fi Allinance might also have a role in any process to discourage the unnecessary use of DSSS/CCK rates.

This document contains a proposed liaison to the Wi-Fi Alliance asking for:

* Information about the future use cases and market requirements for DSSS/CCK rates
* Suggestions for mechanisms to discourage the nnecessary use of DSSS/CCK rates

From: Bruce Kraemer (bkraemer@marvell.com), Chair IEEE 802.11 Working Group

To: Ian Sherlock (isherlock@ti.com), Chair Wi-Fi Alliance

Title: IEEE 802.11 Liaison Request to Wi-Fi Alliance (WFA)

Purpose: Request to WFA for Market Usage and Market Demand of 1/2/5.5/11 Mbps Rates.

Dear Ian Sherlock,

The Maintenance Task Group within the IEEE 802.11 Working Group (802.11REVmc) is in the process of resolving letter ballot comments related to reducing usage of 1/2/5.5/11 Mbps rates to increase WLAN performance.  As part of this effort, the IEEE 802.11 Working Group requests input from the Wi-Fi Alliance on current and likely future use cases and market requirements for 1/2/5.5/11 Mbps rates.

Mechanisms identified by the IEEE 802.11 Working Group to discourage use of 1/2/5.5/11 Mbps rates might include both changes to the IEEE 802.11 standard and usage policy/configuration recommendations. The IEEE 802.11 Working Group also requests input from the Wi-Fi Alliance on potential solution mechanisms.

The letter ballot comments (comments 2411, 2412, 2423 and 2424) on this topic can be found at <https://mentor.ieee.org/802.11/dcn/13/11-13-0233-24-000m-revmc-wg-ballot-comments.xls> . For your reference, IEEE Std 802.11™-2012 is the current version of the IEEE 802.11 Standard.

Please contact Bruce Kraemer, IEEE 802.11 Working Group chair, together with Dorothy Stanley, Maintenance Task Group chair, with any questions.

Best Regards,