IEEE 802.11 Coexistence SC

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| Proposed LS to 3GPP RAN1 related to *CW bias* | | |
| Date: 20191115 | | |
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Abstract

*This document contains a draft Liaison Statement to ETSI BRAN responding to its Liaison Statement related to Contention Window bias*

## Proposed LS to ETSI BRAN

TO:

* Guido Hiertz, ETSI BRAN Chair, guido.hiertz@ericsson.com

CC:

* Paul Nikolich, IEEE 802 Chair, p.nikolich@ieee.org
* Andrew Myles, Chair, IEEE 802.11 Coexistence Standing Committee, amyles@cisco.com

SUBJECT: **Contention Window Update in Initiating Device Channel Access Mechanism of EN 301 893[[1]](#footnote-1)**

DATE: 15 November 2019

Dear Guido,

The IEEE 802.11 Working Group thanks ETSI BRAN for the Liaison Statement, dated 10 October 2019, that is titled “*Contention Window Update in Initiating Device Channel Access Mechanism of EN 301 893*”. Your Liaison Statement requested that the IEEE 802.11 Working Group share the results of our analysis of the material in the Liaison Statement with you.

The IEEE 802.11 Coexistence Standing Committee, during its November 2019 meeting, discussed the text related to CW management that is proposed for inclusion in the next revision of EN 301 893 at length. The following material documents the conclusions of its analysis:

* We believe that IEEE 802.11 is generally compatible the proposed CW adjustment requirements, including the *no bias* requirement. The *no bias* requirement is satisfied because IEEE 802.11 almost always uses immediate feedback based on the success (or otherwise) of the start of all TXOPs to drive CW adjustments.
* We are aware of one mechanism in IEEE 802.11 (related to the use of Block Acks) where it is possible that the proposed CW adjustment requirements would not be satisfied. However, IEEE 802.11 includes a recommendation that Block Acks are used in a way that does satisfy the proposed CW adjustment requirements. It is our understanding that this recommendation is very widely followed in 802.11 implementations.

The result of these discussions is that IEEE 802.11 WG has no concern at this time if the proposed CW management requirements are included in the next revision of EN 301 893.

For your information, the IEEE 802.11 Working Group will be meeting at the time and locations specified at [802.11 Working Group Meeting Plan](http://www.ieee802.org/11/Meetings/Meeting_Plan.html). Interested participants of ETSI BRAN are encouraged to attend to assist the definition of the next generation of IEEE 802.11 standards.

Regards,

/s/

Dorothy Stanley ([dstanley@ieee.org](mailto:dstanley@ieee.org)) Chair of IEEE 802.11 WG

1. This document represents the views of the IEEE 802.11 Working Group, and does not necessarily represent a position of the IEEE, the IEEE Standards Association, or IEEE 802. [↑](#footnote-ref-1)