IEEE P802.11
Wireless LANs

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| LB 205 Comment Resolution for 9.42o |
| Date: 2015-01-06 |
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Abstract

This submission proposes resolutions for comments in clauses 9.42o of TGah Draft 3.0 with the following CIDs: 5330, 5458.

Revisions:

* Rev 0: Initial version of the document.

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This submission proposes resolutions for comments in 9.42o of TGah Draft 3.0 with the following CIDs:

* 5330,5458

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Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 5330 | 329.14 | 9.42o | This newly added paragraph does need some further clarifications as follows:- Only an S1G AP that implements flow control may refuse assoc of a STA that does not support flow control (if the AP does not implement flow control there is no reason to refuse the assoc and give this reason)- The AP that refuses assoc of THE STA (that set the flow contol supported to 0) shall set the Status Code field to that value.- Flow control can be implemented by an S1G non-AP STA as well. So this part needs to be clarified as well. | Instruct the editor to make the following changes to this paragraph:- Insert " that implements flow control" immediately after "An S1G AP" of the second sentence and replace the following term "STA" of the same sentence with a "non-AP STA".- Replace "a STA" with "the STA" and "Status code" with "Status Code" in the third sentence.- Insert the following sentence after the 3rd sentence of the next paragraph: " An S1G non-AP STA shall not instruct its associated S1G AP to stop sending data frames using a flow-control instruction as described in this subclause if the AP sets the Flow Control Supported subfield to 0 in the S1G Capabilites element it transmits". | Revised –Agree with “Flow control can be implemented by an S1G non-AP STA as well”. Modify the following sentence by adding the restrictive attributive clause “A STA that sets the Flow Control Supported subfield to 1 in the S1G Capabilities element that it transmits may instruct a second STA that sets the Flow Control Supported subfield to 1in the S1G Capabilities element that it transmits to stop sending data frames using a flow-control instruction”TGah editor to make the changes shown in 11-14/xxxxr0 under all headings that include CID 5330. |
| 5458 | 329.41 | 9.42o | "The transmission ... is only permitted" is a direct normative statement inside an informative NOTE. In adddition, "only permitted" is ambiguous. | Replace "is only permitted" with the more generic "is allowed". | Rejected –There are only three normative verbs ”should, shall, may”. All others are merely descriptive.“Only” describes a restriction so there is no deficiency in the existing language and the suggested change creates a loss of precision. 136 permitted vs 686 allowed in revmc d3.3I don’t know if there is a good reason to choose one vs the other. |

**Discussion:** *None.*

**9.42o Flow control**

This subclause describes flow control operation for an S1G STA.

NOTE—The relay operation can use the flow control mechanism described in this subclause to prevent from the overflow condition.

 ***TGah Editor: Change the paragraph below as follows (#5330):***

A STA that supports flow control shall set the Flow Control Supported subfield to 1 in the S1G Capabilities element it transmits. An S1G AP that implements flow control may refuse (re) association or can disassociate a non-AP STA that sets the Flow Control Supported subfield to 0 in the S1G Capabilities element. The S1G AP that refuses (re) association or disassociates ~~a~~the STA shall set the Status C~~c~~ode field in the (Re) Association Response or in the Disassociation frame to FLOW\_CONTROL\_OPERATION\_ SUPPORTED.

A STA that sets the Flow Control Supported subfield to 1 in the S1G Capabilities element that it transmits may instruct a second STA that sets the Flow Control Supported subfield to 1in the S1G Capabilities element that it transmits to stop sending data frames using a flow-control instruction. The STA sending the flow-control instruction is called the flow-controlling STA. A STA that sets the Flow Control Supported subfield to 0 in the S1G Capabilities element that it transmits shall not instruct a second STA to stop sending data frames using a flow-control instruction as described in this subclause. A STA that is the intended recipient of a flow-control instruction and that correctly receives that instruction is called a flow-controlled STA. A flow-controlled STA does not transmit any data frames to the flow-controlling STA that transmitted the flow-control instruction, for the amount of time indicated in the flow-control instruction. A flow-control instruction is any of the following:

—a Flow Suspension action frame

—a BAT frame with the Flow Control bit in the Frame Control field equal to 1

—a TACK frame with the Flow Control bit in the Frame Control field equal to 1

—a STACK frame with the Flow Control bit in the Frame Control field equal to 1

—an NDP Ack frame with the Relayed Frame field equal to 1 and the Idle Indication field equal to 1 and the Duration field equal to a nonzero value