IEEE P802.11
Wireless LANs

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| S1G PHY resolution to CID5021 |
| Date: 2020-09-08 |
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Abstract

This submission shows

* 1 CID: 5021

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: typo fixed

# CID 5021

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** |
| 5021 | 23.3.11 | 3403.8 | With respect to transmission of an S1G NDP, there is no Length/Duration field in the SIG\_SHORT. There is a length field. Is the duration meant to be the response indication field? | Please clarify the Length/Duration field. |

**Background**

At P3401L1 in 11Rev D3.4,



At 3362L46 in 11Rev D3.4,



Commenter’s confusion comes from different name between Length field in SIG field of S1G SHORT preamble and Length/Duration field mentioned in S1G NDP PPDU description. In the comment, Response Indication field is defined as a separate field which is set to Long Response for S1G NDP PPDU as below.

At 1949L47 in 11Rev D3.4,



At P3329L26 in 11Rev D3.4, TXVECTOR parameter RESPONSE\_INDICATION is shown below



**Proposed Resolution: CID 5021**

**Revised**.

Instruction to Editor:

At D3.4 P3401L1, modify the original text as below

***------------- Begin Text Changes ---------------***

Transmission of an S1G NDP(#2305) for sounding shall comply with the following rules:

* Shall use the S1G PPDU format but without the Data field.
* Shall use the S1G\_SHORT.
* Shall use the following settings in SIG field:
	+ MCS field is set to 0.
	+ Length~~/Duration~~ field is set to 0.
	+ Bandwidth field is set to the same value as the TXVECTOR parameter CH\_BANDWIDTH in the preceding VHT NDP Announcement frame carried in an S1G PPDU(#1112).
	+ NSTS field indicates two or more space-time streams.
	+ Partial AID field is set as described in 10.21.
	+ The NDP indication bit is set to 0.
	+ Response Indication field is set to Long Response (see TXVECTOR parameter RESPONSE\_INDICATION)

***------------- End Text Changes ------------------***