

Thursday, July 29, 1999 11:18:20

**P802.11a Draft D6.2 Comments and Resolutions**

<i>Cl</i> <b>00</b>	<i>SC</i> <b>Annex G</b>	<i>P</i>	<i>L</i>	<i>#</i> <b>92</b>
Hitoshi Takanashi	NTT MCL, Inc.		Vote	VAC

*Comment Type* **E**      *Comment Status* **X**

On behalf of Naftali Chayat (Chair of TGa):

In the informative annex there is a potential of misunderstanding which tables with coded bit listings (G.8, G.9, G.18 and G21) are related to the index "k" in the interleaver equations and which are related to the index "j". In order to reduce the potential for misunderstanding, it is suggested that the table headings will identify this clearly.

We would like to thank Ulrich Jagdhold, Institute for Semiconductor Physics Frankfurt (Oder), for pointing this out.

*Suggested Remedy*

In the tables G.8 and G.18 in the first row of the table, replace all "##" with italic "k".

In the tables G.9 and G.21 in the first row of the table, replace all "##" with italic "j".

This is an editorial change which stresses the relation of the tables' contents to the equations which the table illustrate and it does not alter or attach any new technical meanings.

*Proposed Response*      *Response Status* **C**

PROPOSED ACCEPT.

Changed as suggested.

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## P802.11a Draft D6.2 Comments and Resolutions

CI **XX** SC **17.3.12** P **42** L **5** # **74**  
 John Deane CSIRO Australia Vote VAC

Comment Type **TR** Comment Status **R**

6. State RX SIGNAL PARITY cause for transition back to IDLE is PARITY FAIL or PMD-RSSI.ind below threshold and PHY\_CCA.ind(IDLE) is an action.

1. Cause of state transition RX IDLE to DETECT PLCP PREAMBLE not given. Presumably PMD-RSSI.ind above the threshold for preamble processing.

2. In DETECT PLCP PREAMBLE state the mechanism for 'wait for SIGNAL' is not clear. Presumably 'wait for PMD-data.ind'

3. Cause of transition from DETECT PLCP PREAMBLE back to IDLE is not clear. Presumably Timeout or PMD-RSSI.ind below threshold.

4. Same transition 'PHY\_CCA.ind(IDLE) is NOT a cause it is an action BY the PLCP to the MAC layer! So distinguish causes & actions.

5. State RXPLCP FIELDS cause for transition back to IDLE is unclear. Presumably PMD-RSSI.ind below threshold.

7. State RX SYMBOL exit conditions CCA(IDLE) & CCA(BUSY) are not defined. Possibly PMD-RSSI.ind below threshold.

## Suggested Remedy

Included in the comment.

Proposed Response Response Status **C**

REJECT. For item 6 only. All others have been accepted.

6. State RX SIGNAL PARITY cause for transition back to IDLE is PARITY FAIL or PMD-RSSI.ind below threshold and PHY\_CCA.ind(IDLE) is an action.

-> The IDLE indication is a signal which can be used to condition an action. (This item will be discussed in the next meeting.)

The following have been accepted by the commenter:

1. Cause of state transition RX IDLE to DETECT PLCP PREAMBLE not given. Presumably PMD-RSSI.ind above the threshold for preamble processing. -> added "PHY-CCA.indicate (busy)"

2. In DETECT PLCP PREAMBLE state the mechanism for 'wait for SIGNAL'

is not clear.

Presumably 'wait for PMD-data.ind'

-> Changed the contents of the box. The labels of the conditions were changed as well. Please look up the figure.

3. Cause of transition from DETECT PLCP PREAMBLE back to IDLE is not clear.

Presumably Timeout or PMD-RSSI.ind below threshold.

-> The transition back to idle state can result either from absence of signal or from failure to receive and decode properly the SIGNAL field. See the corrected figure (Fig. 125).

4. Same transition 'PHY\_CCA.ind(IDLE) is NOT a cause it is an action BY the PLCP to the MAC layer!

So distinguish causes & actions.

-> The IDLE indication is a signal which can be used to condition an action.

5. State RXPLCP FIELDS cause for transition back to IDLE is unclear.

Presumably PMD-RSSI.ind below threshold.

? The IDLE indication is a signal which can be used to condition an action. This takes account of the case where signal is lost after successful decoding of the SIGNAL field.

7. State RX SYMBOL exit conditions CCA(IDLE) & CCA(BUSY) are not defined.

Possibly PMD-RSSI.ind below threshold.

-> They are "PHY\_CCA.ind(IDLE) and PHY\_CCA.ind(BUSY).

