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2 | REVISION REQUEST |
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4 DATE: 4/29/2019
5 NAME: Brett McClellan
6 COMPANY/AFFILIATION: Marvell Semiconductor
7 E-MAIL: bmc@marvell.com
8
9 REQUESTED REVISION:
10 STANDARD:802.3-2018
11 CLAUSE NUMBER: 97.3.6
12 CLAUSE TITLE: Physical Coding Sublayer (PCS), Physical Medium
13 Attachment (PMA) sublayer, and baseband medium, type 1000BASE-T1
14
15 PROPOSED REVISION TEXT:
16 Change RX_AGGREGATE, RX_FRAME, and TX_AGGREGATE to rx_aggregate,
17 rx_frame, and tx_aggregate where they occur in the state machines and
18 move/modify these definitions from 97.3.6.3 Messages to 97.3.6.2.2
19 Variables as shown:
20
21 "rx_aggregate
22 This variable is set to true when nine aligned 9-bit Reed-Solomon symbols
23 are aggregated in rx_coded. This variable is asserted even when the
24 receiver is in low power idle mode at the time when the nine 9-bit RS-FEC
25 symbols would be aggregated in rx_coded if the receiver was operating in
26 non-lpi mode. This variable is set to false otherwise.
27
28 rx_frame
29 This variable is set to true when a full Reed-Solomon frame has been
30 decoded and the variable rf_valid is updated. This variable is set to
31 false otherwise.
32
33 tx_aggregate
34 This variable is set to true when 10 GMII transfers are aggregated in
35 tx_raw<99:0>. This variable is set to false otherwise."
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41 RATIONALE FOR REVISION:
42 RX_AGGREGATE, RX_FRAME, and TX_AGGREGATE were incorrectly defined as
43 messages and should have been defined as variables. The current
44 definitions do not indicate where these messages come from. They are
45 actually generated from within the PCS and therefore are variables inside
46 the PCS state machines.
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52 IMPACT ON EXISTING NETWORKS:
53 None. This is only an editorial correction and does not affect behavior.
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2 | Please attach supporting material, if any |
3 | Submit to:- David Law, Chair IEEE 802.3 |
4 | and copy:- Adam Healey, Vice-Chair IEEE 802.3 |
5 | |
6 | At:- E-Mail: stds-802-3-maint-req@ieee.org |
7 | |
8 | +----- For official use -----+ |
9 | | REV REQ NUMBER: 1343 |
10 | | DATE RECEIVED: 29 April 2019 |
11 | | EDITORIAL/TECHNICAL |
12 | | ACCEPTED/DENIED |
13 | | BALLOT REQ'D YES/NO |
14 | | COMMENTS: |
15 +-----+
16 | For information about this Revision Request see - |
17 | http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1343 |
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