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2  |                8802-3/802.3 REVISION REQUEST                |
3  +-----+
4  DATE: January 26, 2016
5  NAME: Yasuo Hidaka
6  COMPANY/AFFILIATION: Fujitsu Laboratories of America, Inc.
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8
9  REQUESTED REVISION:
10     STANDARD: 802.3-2015
11     CLAUSE NUMBER: 55.1.3.1
12     CLAUSE TITLE: Physical Coding Sublayer (PCS)
13
14  PROPOSED REVISION TEXT:
15
16  Change the sixth paragraph of clause 55.1.3.1 as follows:
17
18  The DSQ128 constellation is partitioned into eight subsets, each
19  subset containing 16 maximally spaced 2D symbols. The three uncoded
20  bits of each 7-bit label select one DSQ128 subset, and the four
21  LDPC-coded-bits of the label select one 2D symbol in this subset.
22
23  RATIONALE FOR REVISION:
24
25  The original text is not consistent with slide 9 of
26  http://www.ieee802.org/3/an/public/sep04/ungerboeck_2_0904.pdf
27  that is the basis of DSQ128 bit mapping described in the second
28  paragraph of clause 53.3.2.2.19.
29  In the above paragraph, the four LDPC-coded bits and three uncoded
30  bits are swapped.
31
32  A similar comment was made to P802.3bq D3.0 (comment i-38)
33  and accepted.
34
35  IMPACT ON EXISTING NETWORKS: None.
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37  +-----+
38  |Please attach supporting material, if any                       |
39  |Submit to:-   David Law, Chair IEEE 802.3                     |
40  |and copy:-    Adam Healey, Vice-Chair IEEE 802.3             |
41  |                                                     |
42  |At:-          E-Mail: stds-802-3-maint-req@ieee.org          |
43  |                                                     |
44  |               +----- For official 802.3 use -----+     |
45  |               | REV REQ NUMBER: 1293                       |
46  |               | DATE RECEIVED: 26th January 2016          |
47  |               | EDITORIAL/TECHNICAL                        |
48  |               | ACCEPTED/DENIED                            |
49  |               | BALLOT REQ'D   YES/NO                      |
50  |               | COMMENTS:                                   |
51  +-----+
52  | For information about this Revision Request see -           |
53  |http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1293 |
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