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|                   8802-3/802.3 REVISION REQUEST 1231                 |      2
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                                                                             4
DATE:                   7th September, 2010                                  5
NAME:                   Hugh Barrass                                         6
COMPANY/AFFILIATION:    Cisco / Cisco                                        7
E-MAIL:                 hbarrass@cisco.com                                   8
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REQUESTED REVISION:                                                         10
   STANDARD:            802.3-2008                                          11
   CLAUSE NUMBER:       28C                                                 12
   CLAUSE TITLE:        Next page Message Code field definitions            13
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PROPOSED REVISION TEXT:                                                     17
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Subclause 28C - Table 28C-1                                                 20
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Insert a new message code definition - 11 : Organizationally Unique        22
Identifier Tagged Message (extended next page)                             23
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Subclause 28C.6                                                             25
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Correct the error in the box labeled "Fourth user code" - the binary       27
value in the box should be 0 0 1 1 1 1 1 1 1 0 0 (not 0 0 0 1 1 1 1 1 1 0   28
0).                                                                         29
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Add a paragraph at the end of the sublause:                                31
                                                                            32
Devices that negotiate the use of extended next page messages may use      33
this message encapsulated within the extended next page message as         34
described in clause 28C, however it is recommended that devices use        35
message code 11 for extended next page OUI tagged messages.                36
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Add a new subclause                                                         38
                                                                            39
28C.13 Message code 11—Organizationally Unique Identifier Tagged Message   40
(extended next page)                                                        41
                                                                            42
Devices that negotiate the use of extended next page meassages may use     43
the extended next page OUI Tagged Message. This shall consist of a single  44
message code of 000 0000 1101 and bits U23-U0 of the unformatted code      45
field shall contain the OUI (with most significant bit of the OUI in U23,  46
the second most significant bit in U22, etc.). Bits U31-U24 contain user-  47
defined data. If the next page flag is set, the message page shall be      48
followed by an unformatted extended next page containing user-defined      49
data.                                                                      50
                                                                            51
(an example can be produced in the same way as for 28C.6).                 52
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RATIONALE FOR REVISION: 1
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Although the OUI message code defined in 28C.6 may be transported by an   4
extended next page message using the encapsulation defined in 28C, such   5
an encapsulation requires 2 extended next pages to transport a mere 20   6
bits of user-defined information. PHYs that have negotiated the use of   7
extended next pages can take advantage of the more efficient definition   8
for future use of OUI defined messages.   9
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IMPACT ON EXISTING NETWORKS: 21
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No impact to compliant devices. The change adds a new message code and   24
does not preclude the use of the previous message code as defined.   25
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                                                                     27
+---+   28
| Please attach supporting material, if any | 29
| Submit to:- David Law, Chair IEEE 802.3 | 30
| and copy:- Wael William Diab, Vice-Chair IEEE 802.3 | 31
| E-Mail: stds-802-3maint-req@ieee.org | 32
| | 33
| +------- For official 802.3 use -----------+ | 34
| | REV REQ NUMBER: 1231 | | 35
| | DATE RECEIVED: 7th September, 2010 | | 36
| | EDITORIAL/TECHNICAL | | 37
| | ACCEPTED/DENIED | | 38
| | BALLOT REQ'D YES/NO | | 39
| | COMMENTS: XX-Xxx-XX Ver: D1.0 Status: R | | 40
+------------+--+------------+   41
| For information about this Revision Request see - | 42
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1231 | 43
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