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|           8802-3/802.3 REVISION REQUEST 1252           |
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DATE:           18th Dec, 2013                             5
NAME:           Robert Grow                                 6
COMPANY/AFFILIATION: RMG Consulting / IEEE Registration Authority 7
E-MAIL:         bob.grow@ieee.org           8
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REQUESTED REVISION:                                       10
  STANDARD:     802.3                                       11
  CLAUSE NUMBER: 45                                         12
  CLAUSE TITLE: Management Data Input/Output (MDIO) Interface 13
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PROPOSED REVISION TEXT:                                   15
Add footnote (put footnote number at the end of the first paragraph of
45.2.1.3):                                               16
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The use of only 22 bits of the OUI as described here has been deprecated
by the IEEE Registration Authority, and therefore should not be used in
new specifications.                                     21
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RATIONALE FOR REVISION:                                   23
The 22-bit OUI has been deprecated for some time by the IEEE Registration
Authority. A Company ID (CID) has been introduced by the IEEE RA. The
CID comes from the same address space as the OUI, but has the X bit set
(U/L when used in addresses). This was done to reduce the consumption of
OUIs where addresses are not required.                   28
29
Had the manufacturer identification here been 24 bits, then a CID could
be used. A PHY vendor may not have any other need for an OUI than to
meet this management information specification, and consequently will
waste 16.7 million addresses.                             33
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IMPACT ON EXISTING NETWORKS:                               35
None.                                                       36
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| Please attach supporting material, if any                 |
| Submit to:- David Law, Chair IEEE 802.3                 |
| and copy:- Adam Healey, Vice-Chair IEEE 802.3          |
| At:- E-Mail: stds-802-3-maint-req@ieee.org |
|                                                         |
| +----- For official 802.3 use -----+               |
| | REV REQ NUMBER: 1252 |                               |
| | DATE RECEIVED: 18th Dec, 2013 |                     |
| | EDITORIAL/TECHNICAL |                               |
| | ACCEPTED/DENIED |                                   |
| | BALLOT REQ'D YES/NO |                               |
| | COMMENTS: XX-Xxx-XX Ver: D1.0 Status: R |           |
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| For information about this Revision Request see -       |
| http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1252 |
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