DATE: 18th Dec, 2013
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REQUESTED REVISION:
STANDARD: 802.3
CLAUSE NUMBER: 45
CLAUSE TITLE: Management Data Input/Output (MDIO) Interface

PROPOSED REVISION TEXT:
Add footnote (put footnote number at the end of the first paragraph of 45.2.1.3):

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.

RATIONALE FOR REVISION:
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.

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.

IMPACT ON EXISTING NETWORKS:
None.