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|                  8802-3/802.3 REVISION REQUEST 1206                  |      2
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                                                                              4
DATE:                  4th Mar, 2009                                           5
NAME:                  Valerie Maguire                                         6
COMPANY/AFFILIATION: The Siemon Company                                       7
                                                                              8
E-MAIL:                valerie_maguire@siemon.com                              9
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REQUESTED REVISION:                                                          11
   STANDARD:          802.3-2008                                             12
   CLAUSE NUMBER:     24.1.2                                                 13
   CLAUSE TITLE:      Objectives                                             14
                                                                             15
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PROPOSED REVISION TEXT:                                                      17
Change lettered bullet d) from:                                             18
                                                                             19
d)   Support cable plants using Category 5 UTP, 150 Ω STP or optical         20
     fiber, compliant with ISO/IEC 11801.                                   21
to:                                                                          22
                                                                             23
d)   Support cable plants using Class D or better or optical fiber           24
     cabling as specified in ISO/IEC 11801:1995. When Class D cabling is     25
     used, the cabling system components (cables, cords, and connectors)     26
     used to provide the link segment shall consist of Category 5e          27
     components as specified in ANSI/TIA-568-C.2 and ISO/IEC 11801:2002.     28
                                                                             29
     NOTE—ANSI/TIA-568-C.2 provides a specification (category 5e) for       30
     cabling that meets the minimum requirements for 100BASE-X operation     31
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RATIONALE FOR REVISION:                                                     34
1) Delete "UTP" - screened and shielded systems should not be excluded       35
   from the objectives                                                      36
2) Delete "150 Ω STP" - 150 Ohm is not a recognized media in ISO/IEC        37
   11801:2002 and is not commonly found as a legacy cabling type            38
3) ISO refers to cabling in terms of "class" not "category" of              39
   performance (copy text from 802.3at draft, as shown, to resolve)          40
4) Add reference to TIA Standards                                           41
5) Category 5 has been commercially superseded by category 5e for new        42
   installations.                                                           43
6) Allow cabling grades higher than category 5 (copy text from 802.3at      44
   draft, as shown, to resolve)                                             45
                                                                             46
IMPACT ON EXISTING NETWORKS:                                                47
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No impact will result from this change. ANSI/TIA-568-C.2 is anticipated      49
to be approved for publication no later than August, 2009.                  50
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| Please attach supporting material, if any                             |        2
| Submit to:- David Law, Chair IEEE 802.3                               |        3
|             E-Mail: David_Law@ieee.org                                |        4
|                                                                       |        5
| and copy:- Wael William Diab, Vice-Chair IEEE 802.3                   |        6
|             E-Mail: wdiab@broadcom.com                                |        7
|                                                                       |        8
|             +------- For official 802.3 use -----------+             |        9
|             | REV REQ NUMBER: 1206                     |             |       10
|             | DATE RECEIVED: 4th Mar, 2009             |             |       11
|             | EDITORIAL/TECHNICAL                      |             |       12
|             | ACCEPTED/DENIED                          |             |       13
|             | BALLOT REQ'D YES/NO                      |             |       14
|             | COMMENTS: XX-Xxx-XX Ver: D1.0 Status: R  |             |       15
+-------------+------------------------------------------+-------------+       16
| For information about this Revision Request see -                     |       17
|http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1206 |       18
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