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| 8802-3/802.3 REVISION REQUEST 1232 |  
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DATE: 22nd Sep, 2010  
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REQUESTED REVISION:  
STANDARD: IEEE 802.3-2008  
CLAUSE NUMBER: 52.5  
CLAUSE TITLE: PMD to MDI optical specifications for 10GBASE-S

PROPOSED REVISION TEXT:  
Add row to table 52.6 for OM4 fiber  
50um MMF, 4700MHz\*km, 2 to 400m  
  
Add column to table 52-10  
50um MMF, 4700MHz\*km, 7.3dB, 400m, 2.9dB, 4.4dB, 0.0dB

RATIONALE FOR REVISION:  
TIA-492AAAD has ratified specifications for OM4 multimode fiber and we see increased interest in deploying 10GBASE-S interfaces over this new type of fiber for longer reach than OM3. The 10GE link model spreadsheet ([http://ieee802.org/3/ae/public/adhoc/serial\\_pmd/documents/10GEPBud3\\_1\\_16a.xls](http://ieee802.org/3/ae/public/adhoc/serial_pmd/documents/10GEPBud3_1_16a.xls)) calculates a 1.65dB margin figure for OM4 vs. a 0.79dB margin figure for OM3 justifying a 400m reach.

IMPACT ON EXISTING NETWORKS:  
Does not impact existing networks

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| Please attach supporting material, if any |  
| Submit to:- David Law, Chair IEEE 802.3 |  
| and copy:- Wael William Diab, Vice-Chair IEEE 802.3 |  
| At:- E-Mail: stds-802-3-maint-req@ieee.org |  
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| +----- For official 802.3 use -----+ |  
| REV REQ NUMBER: 1232 |  
| DATE RECEIVED: 22nd Sep, 2010 |  
| 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#REQ1232](http://www.ieee802.org/3/maint/requests/revision_history.html#REQ1232) |  
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