P802.3ae PMD Track Report to 802.3 WG

IEEE Plenary – La Jolla
13 July 2000
Presentations

• Updated Link Model spreadsheet
• Updates on PMDs optimized for 25-300m
  – 850nm CWDM, 850nm Serial, Parallel fiber
  – Could be large part of the market
  – Debate about supporting *installed* 62.5μm 160MHz•km MMF
    vs. migrating to newer high bandwidth fiber
  – Active debate on optimal PMDs for this market
• Updated Clause 38 equivalent tables for 1310nm 4-ë WWDM, 1310nm/1550nm serial
• Advocacy presentations on relative merits of defined PMD sets—some more controversial than others
  – 3 PMD set—1310nm 4-ë WWDM, 1310nm/1550nm serial
  – 5 PMD set—850 4-ë CWDM, 850 serial, 1310nm 4-ë WWDM, 1310/1550 serial
PMD Motion Madness

- 45 minute discussion on “best process” to vote on PMDs for inclusion in P802.3ae draft D1.0
  - Motion to vote only on sets of PMDs failed
  - Started by voting on each PMD proposal individually
  - Eventually voted on almost every conceivable combination/permutation
  - Two PMD proposals voted in

- 100m on installed MMF and 300m on MMF objectives not satisfied—more work needed to build consensus on solution
PMD Track Motion #16

Move that the P802.3ae Task Force adopt the 1310nm serial PMD as presented in hanson_1_0500 as the basis for one of the PMDs in draft D1.0.

Technical: >75% PASSES

Moved: W. Thirion 802.3 Voters Y: 102 N: 14 A: 4
Second: T. Dineen Attendees Y: 171 N: 3 A: 24
PMD Track Motion #18

Move that the P802.3ae Task Force adopt the 1550nm serial PMD as presented in hanson_1_0500 as the basis for one of the PMDs in draft D1.0.

Technical: >75%  PASSES

Moved: W. Thirion  802.3 Voters  Y: 102  N: 0  A: 23
Second: T. Dineen  Attendees  Y:  N:  A:
# PMD Motions

<table>
<thead>
<tr>
<th>#</th>
<th>Motion</th>
<th>Yes</th>
<th>No</th>
<th>Abs</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>850 serial</td>
<td>59</td>
<td>45</td>
<td>13</td>
<td>57</td>
</tr>
<tr>
<td>14a</td>
<td>850 serial + 1310 serial + 1550 serial</td>
<td>28</td>
<td>66</td>
<td>17</td>
<td>30</td>
</tr>
<tr>
<td>15</td>
<td>850 CWDM</td>
<td>67</td>
<td>38</td>
<td>20</td>
<td>64</td>
</tr>
<tr>
<td>16</td>
<td>1310 serial</td>
<td>102</td>
<td>14</td>
<td>4</td>
<td>88</td>
</tr>
<tr>
<td>17</td>
<td>1310 WWDM</td>
<td>61</td>
<td>45</td>
<td>21</td>
<td>58</td>
</tr>
<tr>
<td>18</td>
<td>1550 serial</td>
<td>102</td>
<td>0</td>
<td>23</td>
<td>100</td>
</tr>
<tr>
<td>19</td>
<td>4 fiber VSR</td>
<td>28</td>
<td>45</td>
<td>33</td>
<td>38</td>
</tr>
<tr>
<td>22</td>
<td>850 serial + 850 CWDM + 1310 WWDM</td>
<td>57</td>
<td>47</td>
<td>19</td>
<td>55</td>
</tr>
<tr>
<td>23</td>
<td>850 CWMD + 1310 WWDM</td>
<td>59</td>
<td>41</td>
<td>14</td>
<td>59</td>
</tr>
<tr>
<td>24</td>
<td>850 serial + 1310 WWDM</td>
<td>48</td>
<td>49</td>
<td>7</td>
<td>49</td>
</tr>
</tbody>
</table>