IEEE P802.3df Optics
April Ad Hoc Meetings Report

Mark Nowell
Optical Track Ad Hoc Chair
Report

- Charter: The Optical Ad Hoc is chartered to address the following:
  1) Act as forum to discuss and consider technical proposals and contributions:
     a. Related to optical PMD sublayers
     b. Related to logic PCS, FEC, and PMA sublayers that may impact optical PMD sublayers
     c. Optical PMD nomenclature
  2) Provide inputs based on optical PMDs into any relevant ad hocs

- Two ad hoc calls during April
  14 April 2022 & 28 April 2022
  60+ attendees
  4 contributions presented


- Next ad hoc meetings in June cycle: June 9 & 27th http://www.ieee802.org/3/calendar.html
Presentations

- 14 April 2022
  - "FWM Analysis of PAM4 LR/ER PMDs" John Johnson, Broadcom
  - “Nomenclature: Part 2” Kent Lusted, Intel
- 28 April 2022
  - ”Optics input into the FEC discussion” Mark Nowell, Cisco
  - “Nomenclature: Part 3” Kent Lusted, Intel
## Straw Polls

<table>
<thead>
<tr>
<th></th>
<th>Straw poll #1</th>
<th>Straw Poll #2</th>
<th>Straw Poll #3</th>
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<tbody>
<tr>
<td><strong>April 14th</strong></td>
<td>I would support the proposed nomenclature for parallel 500m and duplex 2km SMF listed on lusted_3df_optx_01_220414, slide 8</td>
<td>For the 2km parallel SMF nomenclature, I would support the direction of:</td>
<td>For the length (&quot;LEN&quot;) representation for the “DR” PMDs shown on lusted_3df_optx_01_220414, slide 11, I prefer the format:</td>
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<td></td>
<td></td>
<td>A. use “DR”, such as shown in Example A listed on lusted_3df_optx_01_220414, slide 11</td>
<td>A. units in meters, e.g. “2000”</td>
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<tr>
<td></td>
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<td>B. use “FR”, such as shown in Example B listed on lusted_3df_optx_01_220414, slide 11</td>
<td>B. units in km, e.g. “2”</td>
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<td></td>
<td>Results: Y: 64 N: 0</td>
<td>Results: A: 44 B: 12</td>
<td>C. units in km plus showing units, e.g. “2km”</td>
</tr>
<tr>
<td><strong>April 28th</strong></td>
<td>I would support the proposed nomenclature for the 500m and 2km SMF solutions listed on lusted_3df_optx_01a_220428, slide 3</td>
<td>Results: A:5 B:36 C:22</td>
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<td>Results: Y: 41 N: 8</td>
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Net outcome: there appears to be consensus on the open nomenclatures (SMF PMDs) and a proposal for adoption will be made in line with above during May Interim. (Thanks Kent!!)
THANKS!