PMD Naming Convention

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Straw Polls from New Orleans AH STF Interim

- How many people prefer to distinguish both ends of the link
  - Prefer using the convention OLT and ONU and reflecting that in the names – 8
  - Upstream / downstream – 16
  - Head/Tail – 7
  - Network/subscriber – (not many)
  - Provider/subscriber – 1
  - L/E wavelength – 15
  - LT/NT – 13

- Keep BASE in the name – 41
- Keep X in the name – 32
- Numeric length indication – 32

Direction from the polls

- – Overwhelming support for the following
  - BASE
  - X
  - Numeric length indication
- – Variability in differentiating between the terminals.Top 3 were
  - Upstream / downstream – 16
  - L/E wavelength – 15
  - LT/NT – 13
- – Other themes mentioned
  - Like the idea of a hierarchical name
  - Like the idea of a shorter PMD type

Naming 1

PMD layer type	PMD
• 100M	
Dual Fiber: 100BASE-LX10	100BASE-LX10
BiDi: 100BASE-BX10	100BASE-BX10-U
BiDi: 100BASE-BX10	100BASE-BX10-D
• 1G	
Dual Fiber: 1000BASE-LX10	1000BASE-LX10
BiDi: 1000BASE-BX10	1000BASE-BX10-U
BiDi: 1000BASE-BX10	1000BASE-BX10-D
• ePON	
10km: 1000BASE-PX10	1000BASE-PX10-U
10km: 1000BASE-PX10	1000BASE-PX10-D
20km: 1000BASE-PX20	1000BASE-PX20-U
20km : 1000BASE-PX20	1000BASE-PX20-D

Naming 2

PMD layer type	PMD
• 100M	
Dual Fiber: 100BASE-LX10	100BASE-LX10
BiDi: 100BASE-BX10	100BASE-BX10-NT
BiDi: 100BASE-BX10	100BASE-BX10-LT
• 1G	
Dual Fiber: 1000BASE-LX10	1000BASE-LX10
BiDi: 1000BASE-BX10	1000BASE-BX10-NT
BiDi: 1000BASE-BX10	1000BASE-BX10-LT
• ePON	
10km: 1000BASE-PX10	1000BASE-PX10-NT
10km: 1000BASE-PX10	1000BASE-PX10-LT
20km: 1000BASE-PX20	1000BASE-PX20-NT
20km : 1000BASE-PX20	1000BASE-PX20-LT

Naming 3

PMD layer type	PMD

- ## 100M

Dual Fiber: 100BASE-LX10	100BASE-LX10
BiDi: 100BASE-BX10	100BASE-BX10-E
BiDi: 100BASE-BX10	100BASE-BX10-L

- ## 1G

Dual Fiber: 1000BASE-LX10	1000BASE-LX10
BiDi: 1000BASE-BX10	1000BASE-BX10-E
BiDi: 1000BASE-BX10	1000BASE-BX10-L

- ## ePON

10km: 1000BASE-PX10	1000BASE-PX10-E
10km: 1000BASE-PX10	1000BASE-PX10-L
20km: 1000BASE-PX20	1000BASE-PX20-E
20km : 1000BASE-PX20	1000BASE-PX20-L

Naming 4

PMD layer type   PMD

- 100M

Dual Fiber: 100BASE-LX   100BASE-LX

BiDi: 100BASE-BX   100BASE-BX-E

BiDi: 100BASE-BX   100BASE-BX-L

- 1G

Dual Fiber: 1000BASE-LX10   1000BASE-LX10

BiDi: 1000BASE-BX   1000BASE-BX-E

BiDi: 1000BASE-BX   1000BASE-BX-L

- ePON

10km: 1000BASE-PX10   1000BASE-PX10-E

10km: 1000BASE-PX10   1000BASE-PX10-L

20km: 1000BASE-PX20   1000BASE-PX20-E

20km : 1000BASE-PX20   1000BASE-PX20-L

Naming 5

PMD layer type   PMD

- 100M

Dual Fiber: 100BASE-LX   100BASE-LX

BiDi: 100BASE-BX   100BASE-BX-NT

BiDi: 100BASE-BX   100BASE-BX-LT

- 1G

Dual Fiber: 1000BASE-LX10   1000BASE-LX10

BiDi: 1000BASE-BX   1000BASE-BX-NT

BiDi: 1000BASE-BX   1000BASE-BX-LT

- ePON

10km: 1000BASE-PX10   1000BASE-PX10-NT

10km: 1000BASE-PX10   1000BASE-PX10-LT

20km: 1000BASE-PX20   1000BASE-PX20-NT

20km : 1000BASE-PX20   1000BASE-PX20-LT

Naming 6

PMD layer type	PMD
• 100M	
Dual Fiber: 100BASE-LX	100BASE-LX
BiDi: 100BASE-BX	100BASE-BX-U
BiDi: 100BASE-BX	100BASE-BX-D
• 1G	
Dual Fiber: 1000BASE-LX10	1000BASE-LX10
BiDi: 1000BASE-BX	1000BASE-BX-U
BiDi: 1000BASE-BX	1000BASE-BX-D
• ePON	
10km: 1000BASE-PX10	1000BASE-PX10-U
10km: 1000BASE-PX10	1000BASE-PX10-D
20km: 1000BASE-PX20	1000BASE-PX20-U
20km : 1000BASE-PX20	1000BASE-PX20-D

Straw Polls

I like the following naming convention

- Naming 1
- Naming 2
- Naming 3
- Naming 4
- Naming 5
- Naming 6