

IEEE 802.3 HSSG  
Fiber Optic Ad Hoc Meeting Notes – 2/08/07

**Attendees:**

Last	First	Employer	Affiliation	2/8/2007
Anslow	Pete	Nortel Networks	Nortel Networks	Y
Carroll	Martin	Verizon	Verizon	Y
Chang	Frank	Vitesse	Vitesse	Y
Cole	Chris	Finisar	Finisar	Y
Dove	Daniel	Dove Networking	ProCurve Networking by HP	Y
Dudek	Mike	Picolight	Picolight	Y
Jaeger	John	Infinera	Infinera	Y
Jiang	Wenbin	JDSU	JDSU	Y
Lingle	Robert	Ofsoptics	Ofsoptics	Y
Tatah	Karim	Cray	Cray	Y
Schrans	Thomas	Optical Communication Products	Optical Communication Products	Y

**Notes:**

Reviewed Economic Feasibility Straw poll numbers;

37y, 3n, 38abs economic feasibility of 10km

34y, 6n, 39abs economic feasibility of 100m

Andrew Ellis - Material presented previously demonstrated technical feasibility

Mike Dudek - Felt the last meeting was sufficient to prove technical and economic feasibility.

Reviewed Andrew Ellis's presentation

Demonstrates T&E feasibility for 10Km using comb generator

Chris - this falls under DWDM EML solution, no need to add a line to table

Frank - Suppose this is 10x10, but interop problems with alternative methodologies?

Dan - Once we get to task force - we decide on how to create a spec that guarantees interop

Chris - will modify table to remove exclusionary terminology

Wenbin - 10x10DML- 40Km - Should it be there?

John - Excelite provided a presentation on this, Steve Song is here, but his technical support is not here. He believes 10Km is feasible and practical

Karim - 5x20 DML and EML; if cost effective could it be considered at a 100m solution?

Chris - OM3 requirement on current 100m objective

Robert Lingle - If you are proposing an alternative that does not go 10Km, but goes 100m, that is a different objective.

Chris - We did discuss the possibility of a 2Km objective..group decided not to have a dedicated 2Km objective.

Andrew Ellis - We have been talking about 2x50 DQPSK, but have not talked about 2x50 WDM yet. Will bring in presentation.

Tom - Table separates DML and EML, should we combine those?

Peter - Comment on testing.

Chris - It would be nice to have a standard that is not specific to DML or EML.

Dan - Once standard is started, it would be nice to have implementation independence in specification.

Chris - EML and DML agree that difference is arbitrary.

Chris - On cost, believes RX DC elements to table may not be valid... but would appreciate input on this.

John - 10X 10G comparison has been done.

Chris - Jack Jewell did one for 100m

John - When I did cost study, baselined the 100G 10Km with 10G 40Km, the question is, what relative number do we want?

Dan - Comparing costs is necessary to derive market potential, don't use \$\$ or any metric, but relative to 10G (SR for 100m and LR for 10Km).

John - The type of rollup provided is sufficient... do not want to back up in time to when 10G was new, and projecting future cost is difficult.

Chris - Trying to get alignment across the boxes is going to be difficult.

Chris - Try to capture assumptions and put it into box

Dan - We need a general range of cost assumptions at this time.

Next meeting will be held on Wednesday, 2/28/2007 at 8am PST. Please mark your calendars!!