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TRATOS

100GBASE-F and 100GBASE-T - Fact or Fiction

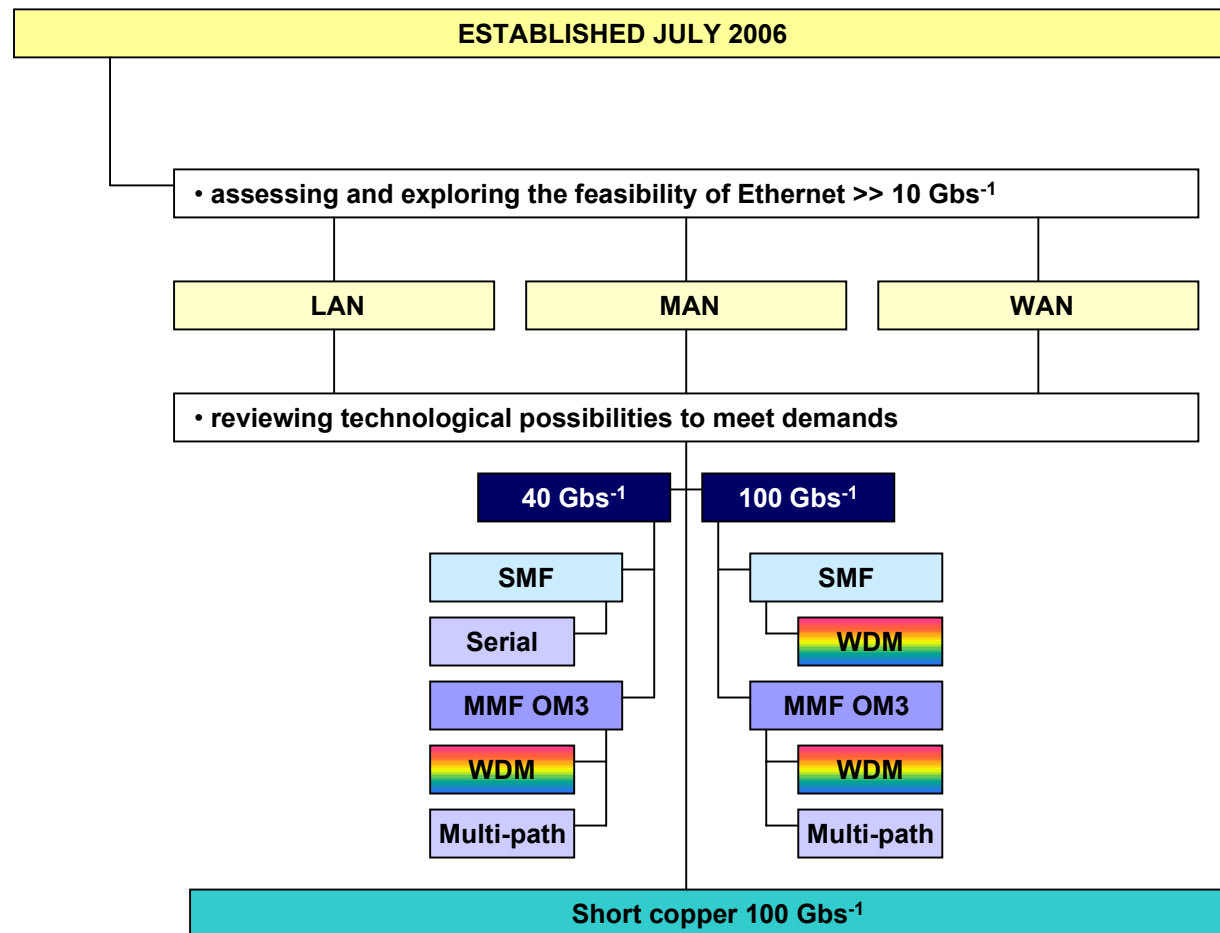
March Seminar - CAS 2007

FIA 2007

FIA 2007
Commercial Awareness Seminars

**100GBASE-F and 100GBASE-T
-
Fact or Fiction**

IEEE 802.3 Higher Speed Study Group (HSSG)



Public Access to Debate

DOCUMENT LIST

<http://www.ieee802.org/3/hssg/public/index.html>

Meeting documents

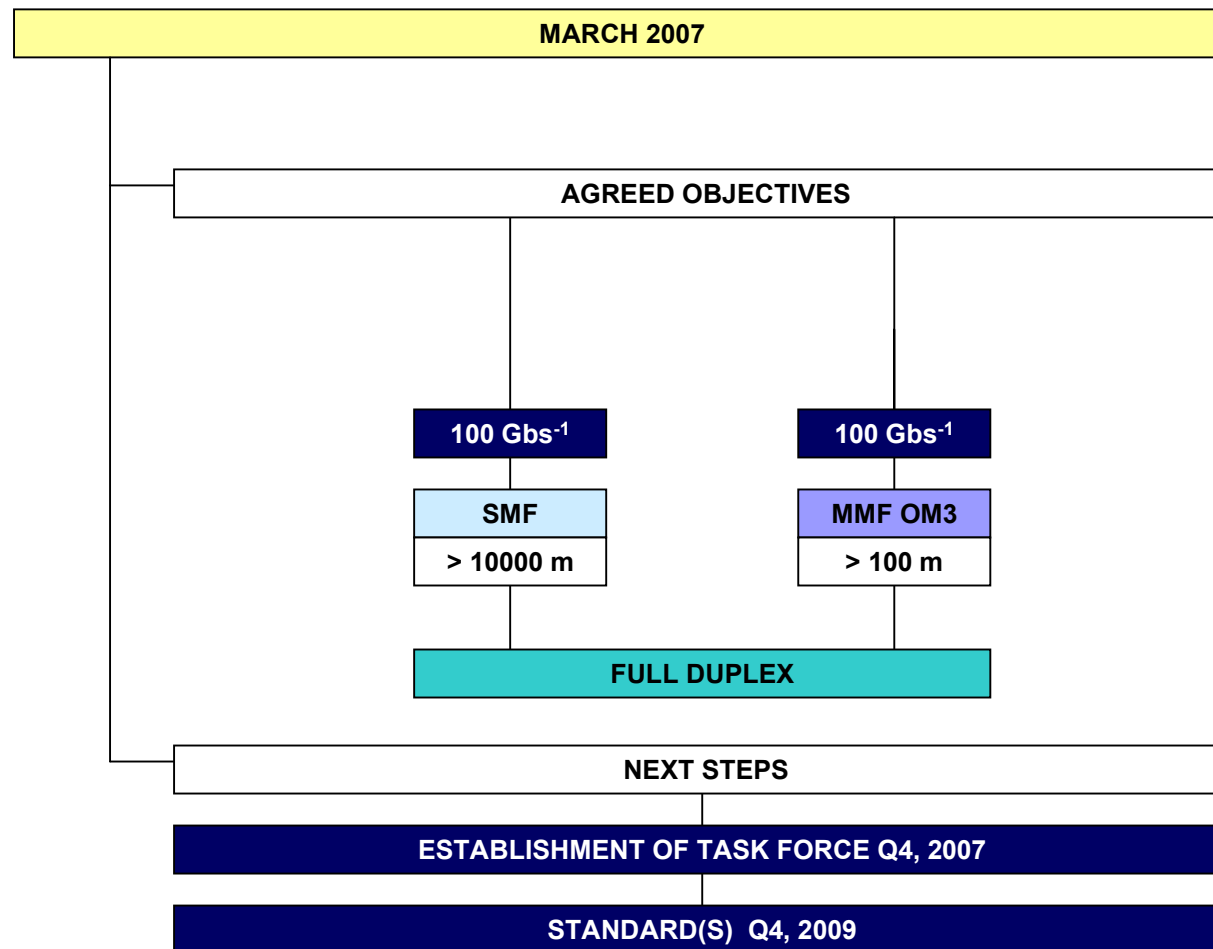
- July, 2006 Plenary week Call for Interest material.
- September 2006, Knoxville, TN.
- November 2006, Dallas, TX.
- January 2007, Monterey, CA.
- March 2007, Orlando, FL

Liaisons

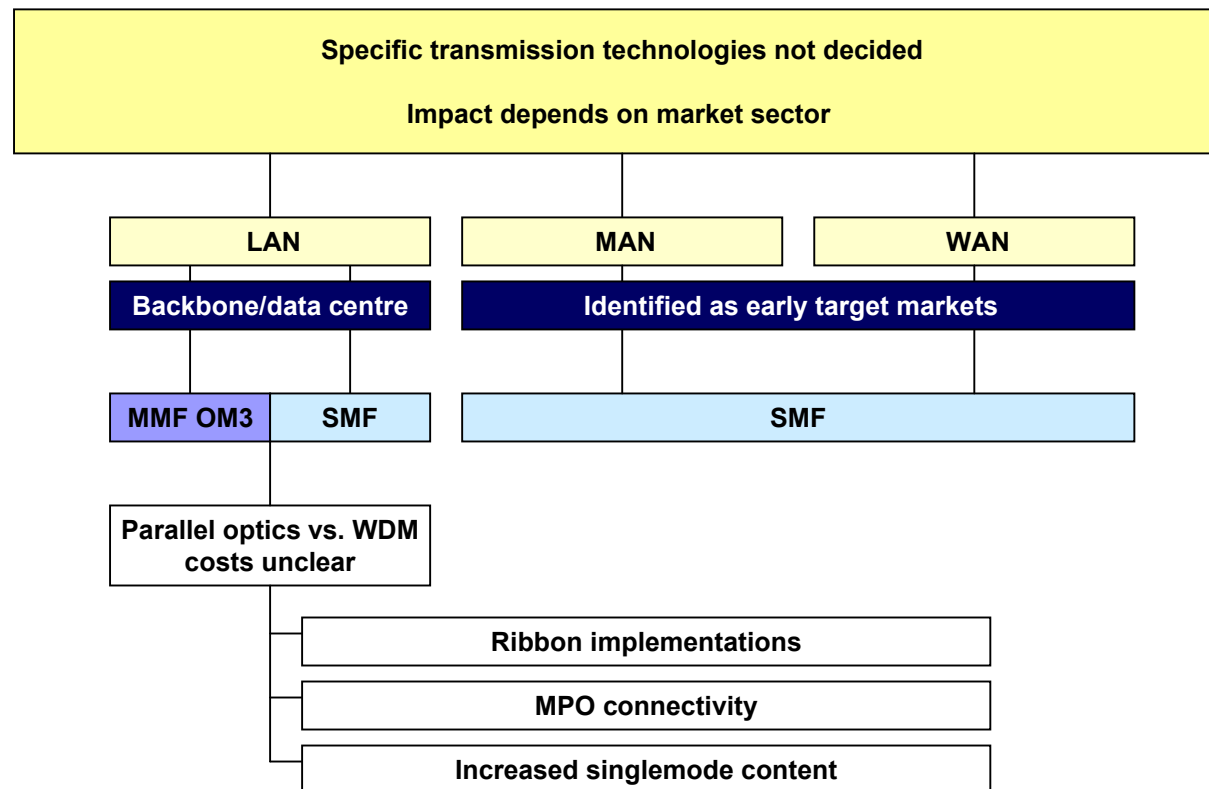
Adhocs

- Reach
- Fiber Optic

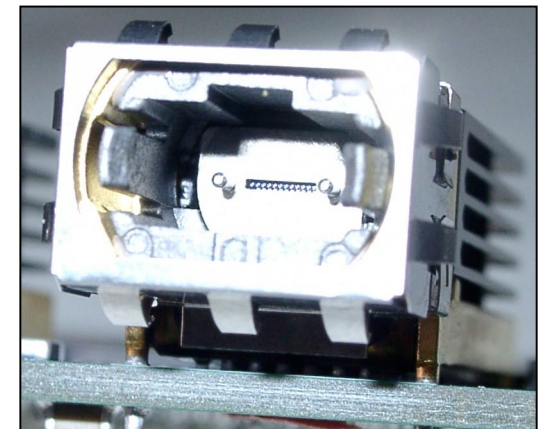
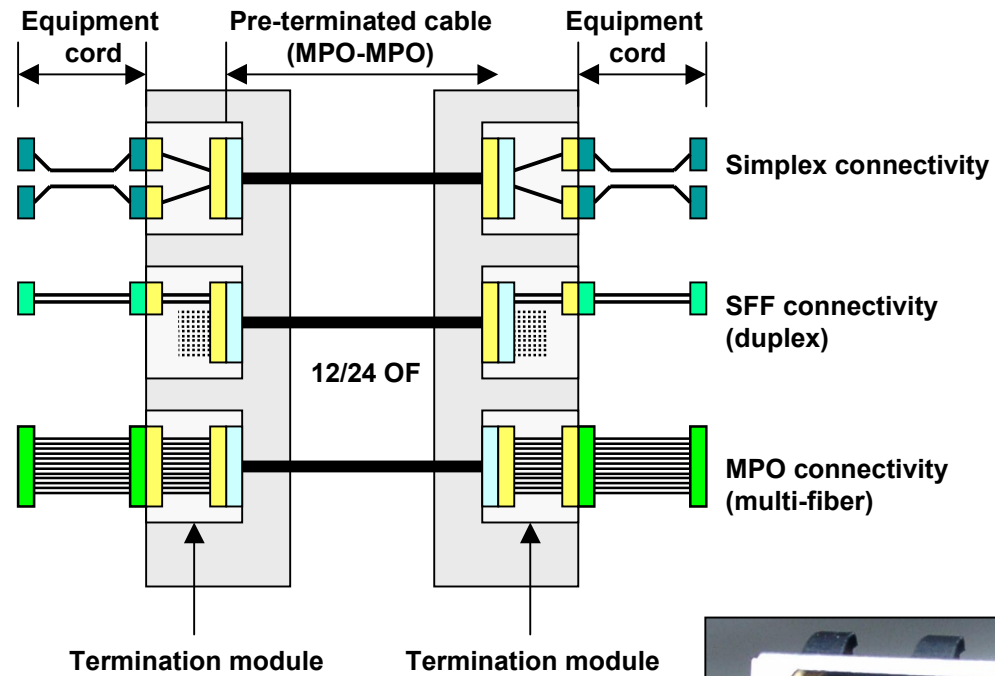
Agreed Objectives and Next Steps



Implications

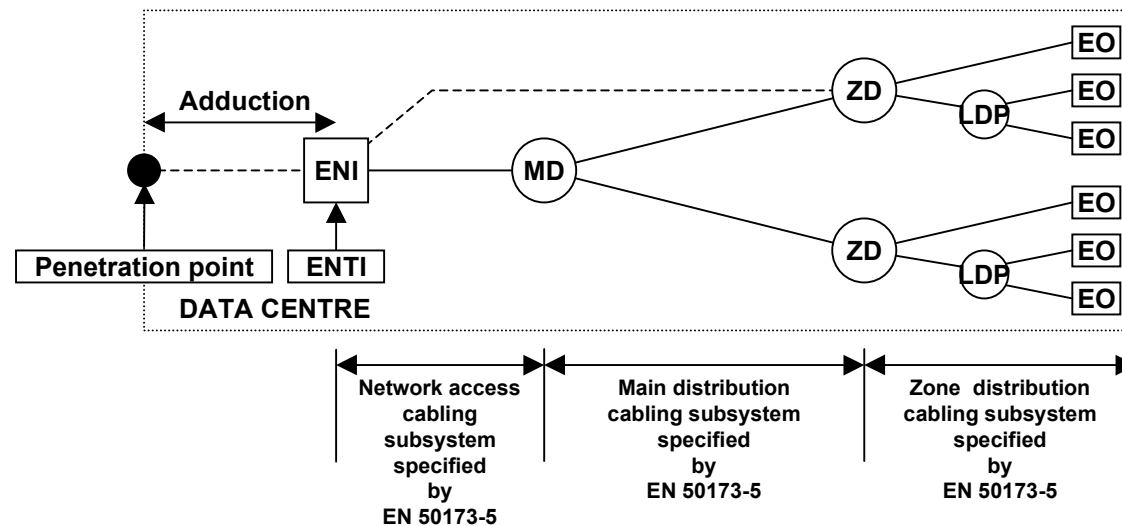


MPO Connectivity



EN 50173-5: 2007

 **EN 50173-5:2007** Information technology: Generic cabling - Data centres



KEY — Generic cabling subsystem cabling - - - - Possible additional cabling

ABBREVIATIONS

ENI	External Network Interface	LDP	Local Distribution Point
EO	Equipment Outlet	MD	Main Distributor
		ZD	Zone Distributor

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Information technology: Generic cabling - Data centres

	Multimode OF		Singlemode OF			
	50/125 or 62.5/125	50/125				
	Wavelength	OM2	OM3	Wavelength	OS1	OS2
Attenuation coefficient (max)	850 nm	3,5 dBkm ⁻¹		1310 nm	1,0	0,4
	1300 nm	1,5 dBkm ⁻¹		1383 nm		0,4
Modal bandwidth OFL (MHz.km min)	850 nm	500	1500	1550 nm	1,0	0,4
	1300 nm	500	500			
Modal bandwidth LL (MHz.km min)	850 nm	-	2000			
	1300 nm	-	-			
Propagation delay (ns.m ⁻¹ max)	850 nm	5		1310 nm	5	5
	1300 nm					

Connecting Hardware

		Style	Housing
EO	≤ 2 MMF	EN 50377-7-1	LC-D
	1 SMF	EN 50377-7-4	LC
	2 SMF	EN 50377-7-2	LC-D
	≥ 2 OF	EN 61754-7	MPO
IEC 61076-3-106			
ENI	MMF	EN 50377-7-2	LC-D
ENI	SMF	EN 50377-7-3	LC-D APC
IEC 61076-3-106			

