

Vote on this motion: adopt swanson_optics_1_1102.doc as the basis for P802.3ah Draft 1.2

M: Swanson
 For: 31
 Against: 0
 Abstain: 2

Parameter	B1.1, B1.3 SMF						Units
	1000BASE-EX	1000BASE-BX ONU	1000BASE-BX OLT	100BASE-BX ONU	100BASE-BX OLT	100BASE-LX	
Wavelength	1310	1310	1550	1310	1550	1310	nm
Link power budget	10.5	11	11	16	16	10	dB
Operating distance	10	10	10	10	10	10	km
Channel insertion loss ^A	6	6	5.5	6	5.5	6	dB
Allocation for penalties ^B	4.5	5	5.5	10	10.5	4	dB

A. Channel insertion loss is based on cable attenuation, connectors and splices at the operating distance at the nominal wavelength.

B. This is the difference between the link power budget and the channel insertion loss; insertion loss difference between nominal and worse case wavelength is considered a penalty.

Parameter	B1.1, B1.3 SMF				Units
	1000BASE-PX ONU 10k	1000BASE-PX OLT 10k	1000BASE-PX ONU 20k	1000BASE-PX OLT 20k	
Wavelength	1310	1550	1310	1550	nm
Link power budget	23	21	26	26	dB
Operating distance	10	10	20	20	km
Channel insertion loss ^A	20	19.5	25	24.5	dB
Allocation for penalties ^B	3	1.5	1	1.5	dB

A. Channel insertion loss is based on cable attenuation, connectors, splices and splitters at the operating distance at the nominal wavelength.

B. This is the difference between the link power budget and the channel insertion loss

