

# Meeting objectives

IEEE 802.3 400 Gb/s Ethernet Study Group  
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## A noteworthy example:

# HSSG Objectives (2 of 2)

### Define two families of PHYs

- A LAN PHY, operating at a data rate of 10.000 Gb/s
- A WAN PHY, operating at a data rate compatible with the payload rate of OC-192c/SDH VC-4-64c

### Define a mechanism to adapt the MAC/PLS data rate to the data rate of the WAN PHY

### Provide Physical Layer specifications which support link distances of:

- At least 300 m over installed MMF
- At least 65 m over MMF
- At least 2 km over SMF
- At least 10 km over SMF
- At least 40 km over SMF

### Support fiber media selected from the second edition of ISO/IEC 11801 (802.3 to work with SC25/WG3 to develop appropriate specifications for any new fiber media).

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- ← 10GBASE-L

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10GBASE-S, which MMF?  
2 to 66 m, 400 MHz.km  
2 to 300 m, 2000 MHz.km

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