
Reopen Tabled Distance Motion

- The Distance Ad Hoc Moves That HSSG Reopen The Tabled Motion From The Interim Meeting For Reconsideration.
- The Table Motion Stated: Provide a family of physical layer specifications which support
 - ▶ At least 100 m on multimode fiber (MMF)
 - ▶ At least 3 km on single mode fiber (SMF)

Distance Ad Hoc Summary

- No 75% Consensus Was Reached On Distance Objectives
 - ▶ Different Views Are Advocated By Traditional LAN, MAN, WAN & Technology Proponents
- A Sequence Of Motions (with Distance Ad Hoc votes) Will Be Presented To Allow The HSSG To Choose Between Alternatives In The Following Categories
 - ▶ Distance Application Space
 - ▶ Specific Link Lengths For Fiber Types

Distance Application Space

The Distance Ad Hoc committee moves that the following **Distance Application Space** motions be adopted. Numbers in brackets are vote results.

1. Support the traditional LAN environment. (Yes = 43, No = 3)

2. Support the extended Ethernet environment similar to 1000BASE-LX (22)

Alternate: Support extension into the MAN (12)

3. Support extension into the WAN (Yes = 19, No = 14)

Alternate: Support direct attachment to the WAN infrastructure. (Yes = 3, No = 23)



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The Distance Ad Hoc committee moves that the following motions on **specific link lengths** be considered in sequence. Numbers in brackets are the Ad Hoc votes.

a. 2 km over SMF (41)
b. 10 km over SMF (38)
Other: 5 km over SMF (Yes = 7, No = 34)

c. 100 m over installed MMF (30)
d. 300 m over MMF (25)
e. 100 m over MMF (23)
f. 550 m over MMF (21)
g. 300 m over installed MMF (20)
Other: 550 m over installed MMF (2)

h. 40 km over SMF (28)
i. 20 km over SMF (16)
j. 80 km over SMF (13)

k. Investigate use of higher bandwidth 50 um MMF
1. Include activity in d. and f. (21)
2. Do as separate activity (15)



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