

LINK SEGMENT LENGTH PROPOSAL

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History

- In our last meeting, we presented a proposed insertion loss budget for an 11m link segment. Assuming same assembly (connector/cable) requirements, the proposal was determined from extrapolating the 802.3ch insertion loss requirement to 10GHz. The link segment at 11m gave an additional 7dB at Nyquist
- There was a discussion on whether 11m is the most common use case or special use case.



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Link Segment Estimates

- After several discussion with Ford architecture and hardware compute teams. Here are the link segment estimates.
 - Zonal Architecture (~7m)
 - Highspeed backbone links (~7m). (These modules are in cabin)
 - Some links might require >7m
 - Distributed Architecture (7m ~ 11m)
 - Camera and Sensor links ($\leq 11m$, very few ~15m)
 - Standard network links (7m ~ 10m)

Proposal:
Specify two link segments
7m and 11m



Thank you!

Questions?



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