

Future Directions of SAS Following SAS 2.0

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STA

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Overview

- Distance
- Discovery
- Speed

Distance

- Greater than 10m
 - Power in connector
 - Advantages
 - Allows optical
 - Allows specific cable equalization
 - Issues
 - How does optical pass OOB
 - How does on board equalization interact with built in equalization
 - Make changes as soon as possible to enhance interoperability
 - Time of flight compensation

Discovery

- The size of SAS configurations is increasing
 - Mandate self-configuring expanders

Speed

- 12G
- Not 10G with different encoding
 - Avoids a new encoding scheme with associated interoperability testing
 - Only one time speed bump with new encoding scheme

Thank You