Future Directions of SAS
Following SAS 2.0

presented at:
STA
Durham, NC
03/10/08

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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