

CORNING

## Proposed Category B Liaison with IEC TC86

Steve Swanson  
January 19, 2021

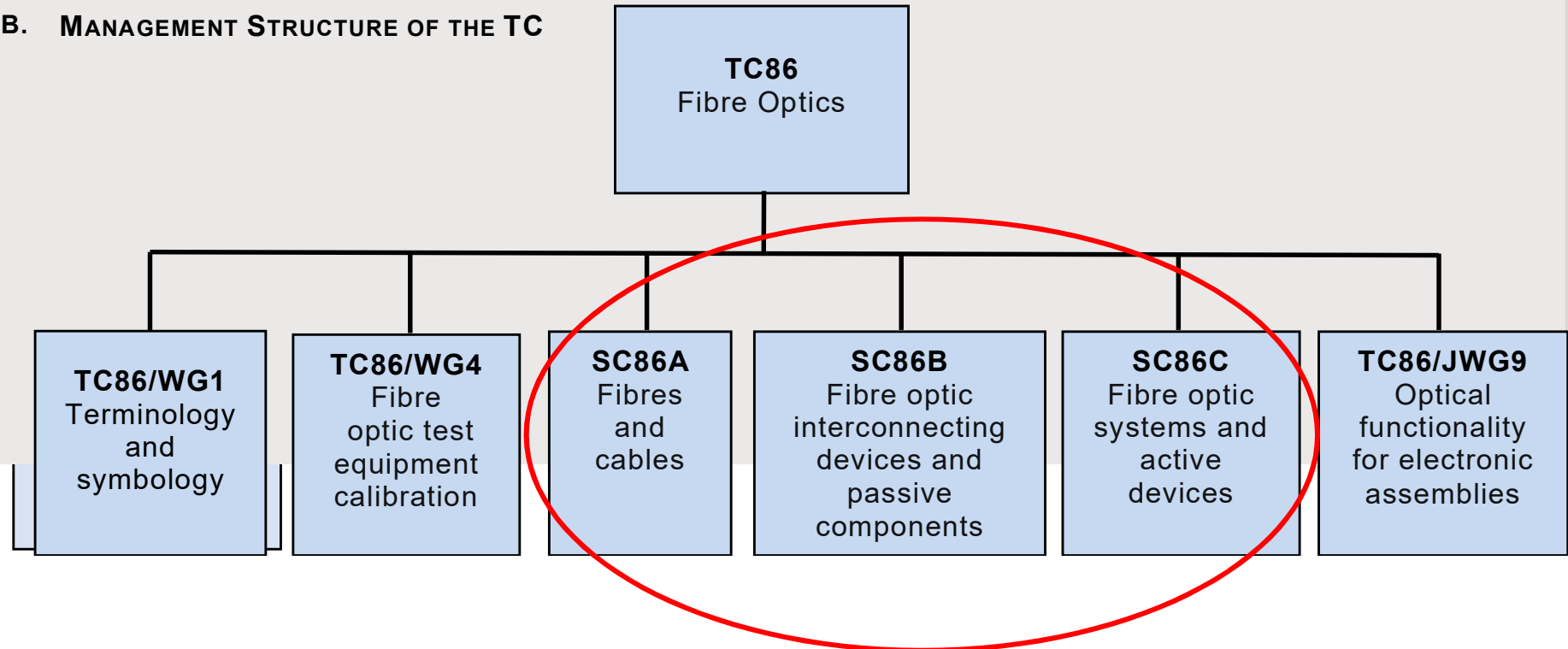
# Motivation

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- IEEE currently references IEC standards in most Ethernet Standards
  - The Automotive application is one that IEC has not addressed to date
- A Category B Liaison with IEC TC86 with a scope that excludes cabling specified by ISO/IEC JTC 1/SC 25/WG 3 is proposed

# IEC Structure

## B. MANAGEMENT STRUCTURE OF THE TC



# IEC in numbers

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- Over 300 standard test procedures covering fiber optic components
- 5 Service Environments defined for fiber optic connectors and passive components

	TC86	SC86A	SC86B	SC86C
P-Members	22	26	23	27
Publications	27	113	258	141

# Deliverables

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- SC86A could consider
  - High temperature fiber standards
  - New cable designs specific to automotive
  - Other
- SC86B could consider
  - New service environment definitions for automotive
  - New connector designs specific to automotive
  - Other
- SC86C could consider
  - Transmitters - VCSELs and Quantum Dot SiP
  - High temperature VCSEL reliability
  - Other

# IEC TC86 Meeting October 2020

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- Virtual Plenary Meeting held on October 30, 2020
- Swanson presentation on IEEE Multi-gig Automotive work
- Action Item for the TC 86 Secretary to pursue formal liaison with IEEE 802.3
- Decision to form a Project Team to produce a Technical Report covering all TC/SC 86 on potential work on Optical Automotive with Mr. Tuvia Liberman as Project Leader and members from each TC 86 Subcommittee, as appointed by their National Committees
- The TC 86 Secretary will ask the Central Office to open a Project Team on Optical Automotive and issue a call for experts

# Proposed Motion

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## **Motion #1:**

Move that the IEEE 802.3cz Task Force approve a request for a category B liaison with IEC TC 86 to cover matters related to optical components for automotive applications and cabling outside the scope of the existing liaison between ISO/IEC JTC 1/SC 25/WG3 and IEEE 802.3

Moved: Steve Swanson

Second: Ruben Perez Aranda

Y:

N:

A:

No objection to unanimous consent

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