



RESPONSE TO LETTER FROM IEEE 802.3 DATED 16 MARCH 2023

To: David Law Chair, IEEE 802.3 Ethernet Working Group
[REDACTED]

CC: Paul Nikolich Chair, IEEE 802 LMSC
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Adam Healey Vice-chair, IEEE 802.3 Ethernet Working Group
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Takeo Masuda Secretary, ISO TC22/ SC32/ WG10
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From: Naoshi Serizawa Convenor, ISO TC22/ SC32/ WG10
[REDACTED]

Subject: Temperature and Wavelength Considerations in ISO TC22/ SC32/ WG10

Dear Mr. David Law,

Thank you for your letter to ISO TC22/ SC32/ WG10. We would like to respond as follows regarding the wavelength and temperature range under consideration in our current project of ISO 24581.

Wavelength:

ISO 24581, for which we are currently developing a standard as glass optical fibre media, doesn't specify the operating wavelength. However, unless otherwise specified between parties (OEM and supplier), a reference light source of 850 nm is used to measure the characteristics of optical wire harnesses in order to specify the criteria.

Temperature:

ISO 24581 has been established to cover temperatures up to 125°C, although it is basically stipulated that this is to be agreed upon by the parties concerned. If there is no specific requirement, Class C on Table 1 of ISO 19642-1 is applied as a temperature range for optical components. However, it does not restrict to use components at temperatures below 125°C.

Sincerely,
Naoshi Serizawa,
Convenor, ISO TC22/ SC32/ WG10