



ISO/IEC JTC 1/SC 25/WG 3 N 1370
Date: 2023-10-25

ISO/IEC JOINT TECHNICAL COMMITTEE 1

SUBCOMMITTEE No.25: INTERCONNECTION OF
INFORMATION TECHNOLOGY EQUIPMENT
WORKING GROUP 3: CUSTOMER PREMISES CABLING

To: David Law, Chairman IEEE 802.3 [REDACTED]

CC: Adam Healey, Vice Chair IEEE 802.3, [REDACTED]
Jon Lewis, Secretary, IEEE 802.3 Ethernet Working Group, [REDACTED]
Konstantinos Karachalios, Secretary, IEEE-SA Standards Board, [REDACTED]
Paul Nikolich, Chair, IEEE 802 LMSC, [REDACTED]
James Withey, IEEE 802.3 Liaison Officer, [REDACTED]

Subject: Liaison from ISO/IEC JTC 1/SC 25/WG 3 on PON requirements

Dear Mr Law,

In connection our project to add single pair cabling requirements to the standard for Generic cabling for ISO/IEC JTC1 SC 25/WG 3 would like to inform IEEE 802.3 that at a decision was taken at our October 2023 meeting to add IEEE 802.3 Ethernet PON (EPON) applications to the lists of supported applications in our ISO/IEC series of standards for generic structured cabling for customer premises.

ISO/IEC JTC1 SC 25/WG3 intends to provide the specifications for the cabling when used withing the scope of ISO/IEC 11801 series documents, and as such ask that IEEE 802.3 confirm the relevant specifications for the cabling related to IEEE PON standards.

ISO/IEC JTC1 SC 25/WG3 has a particular interest in the following requirements, however we also welcome any additional guidance that IEEE 802.3 suggests we include with regard to cabling requirements for your PON applications;

- Insertion Loss considerations, e.g. maximum insertion loss
- Range limitation for each PON application
- Any other matter not listed that may impact the deployment PON application over a generic structured optical fibre cabling system for customer premises

Many thanks for your consideration and continued support.

Sincerely,

Albrecht Oehler
Convenor, ISO/IEC JTC 1/SC 25/WG 3