



# ISO/IEC JTC 1/SC 25 **N 2795**

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**ISO/IEC JTC 1/SC 25  
INTERCONNECTION OF INFORMATION TECHNOLOGY EQUIPMENT  
Secretariat: Germany (DIN)**

**DOC TYPE:** Outgoing Liaison

**TITLE:** Liaison to IEEE 802.3 regarding 1-pair cabling

**SOURCE:** Convenor SC 25/WG 3

**PROJECT:** Single pair cabling, remote powering

**STATUS:** Liaison to IEEE 802.3

**ACTION ID:** SC 25 to note

**DUE DATE:** n/a

**REQUESTED ACTION**

**MEDIUM:** open

**DISTRIBUTION:** ITTF, JTC 1 Secretariat  
P-, L-, O-Members of SC 25  
SC 25 PTT

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ISO/IEC JOINT TECHNICAL COMMITTEE 1  
SUBCOMMITTEE No.25: INTERCONNECTION OF  
INFORMATION TECHNOLOGY EQUIPMENT  
WORKING GROUP 3: CUSTOMER PREMISES CABLING

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**Subject: SC 25/WG 3 response to your liaisons regarding 1-pair cabling**

Dear David,

SC 25/WG 3 would like to thank you for your liaison letter (our internal reference SC 25 N 2792) requesting guidance on single pair connectors suitable for use at the MDI for IEEE 802.3cg.

During our February/March 2018 meeting, SC 25/WG 3 reviewed five presentations that proposed connector solutions for single pair applications. We have established a selection process that will be subject to national ballot. The outcome of this ballot will be communicated to IEEE 802.3 by 1<sup>st</sup> September.

This selection process will allow for selection of both a "normal" and "harsh" environment connector.

SC 25/WG 3 sees an advantage to harmonisation between MDI selection and the connectors to be specified in our documents.

It is a pleasure to inform you that IEC/SC 48B started work on one-pair connecting hardware. Two SC 48B projects are in progress already (IEC 61076-3-125 and IEC 63171-1) and we expect the other three proposals being considered by us to be submitted to IEC/SC 48B as New Work by May 1<sup>st</sup>, 2018.

We would appreciate, if IEEE 802.3 could provide a timeline of when it expects to complete the MDI discussions.

Furthermore, we would like to inform you that we started work on an amendment to ISO/IEC TS 29125 "Information technology – Telecommunications cabling requirements for remote powering of terminal equipment" to include single-pair cabling.

Sincerely,  
Albrecht

Prof. Dr.-Ing. Albrecht Oehler  
Convenor ISO/IEC JTC 1/SC 25 WG 3