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Working Group 3 “Customer Premises Cabling”

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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 dlaw@hp.com

CC: Adam Healey, Vice Chair IEEE 802.3, adam.healey@lsi.com
Pete Anslow, Secretary, IEEE 802.3, panslow@ciena.com
James Withey, IEEE 802.3 Liaison Officer james.withey@flukenetworks.com

**Liaison to IEEE 802.3 after SC 25/WG 3 Vienna meeting on Single Pair Cabling –
ISO/IEC TR 11801-9906**

Dear David,

ISO/IEC JTC 1/SC 25/WG 3 would like to thank you for your liaison letter following your Bangkok meeting, 15th November 2018 (our reference 3Vie_048) requesting further information regarding our project related to single pair cabling. SC25 WG3 currently has two projects for support of single pair Ethernet, an application-specific Technical Report, and amendments to our ISO/IEC 11801 series standards for generic cabling.

The application-specific Technical Report, ISO/IEC TR 11801-9906, will be circulated as a DTR following our Vienna meeting and we will forward a copy of this draft for your information as soon as it is available. This Technical Report contains guidance and recommendations regarding cabling and component support for IEEE 802.3bp, 802.3bw and 802.3cg cabling, noting that 802.3cg is under development.

The amendments to the ISO/IEC 11801-series will contain generic single pair cabling requirements that offer support for those same applications as well as any other single pair application. Currently the project is considering multiple new single pair channel Classes including a 1000 m 20 MHz channel, which will be subdivided into requirements for shorter length installations, and Classes with enhanced frequency and transmission parameters to support higher bandwidth use cases.

The generic cabling project is currently amending multiple parts of the ISO/IEC 11801 series, including the generic base document, industrial premises, and distributed building systems, however other parts may also require work as the project continues. The working drafts of these documents are at different early stages, and we will provide these to IEEE 802.3 as they become stable.

We thank you for your cooperation and we will update IEEE 802.3 as we progress.

Best regards,

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