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Liaison report to IEEE 802.3
on electromagnetic performance of balanced cabling and
performance of Class E and Class F channels

Date: 2003-September 18
To: IEEE 802.3,
   Mr Bob Grow, Chair IEEE 802.3
Copy to IEEE 802, 10GBASE-T study group
   Paul Nikolich, IEEE 802 Chair; Brad Booth, Chair 10GBASE-T study group
From: ISO/IEC JTC 1/SC 25
Subject: Electromagnetic performance of balanced cabling and performance of
         Class E and Class F channels

Liaison from ISO/IEC JTC 1/SC 25 to IEEE 802.3 on electromagnetic
performance of balanced cabling and performance of Class E and Class F
channels

Thank you for the liaison statement from your 21-24 July meeting in San Francisco.
ISO/IEC JTC 1/SC 25 continues to receive detailed reports on developments within the
10GBASE-T study group from Alan Flatman.

At its 15-18 September meeting in Zurich, SC 25/WG 3 started to investigate the
development of generic specifications for electromagnetic performance of balanced
cabling. This initiative has been triggered by the need to define cabling for use in more
severe electromagnetic environments and also to manage alien crosstalk for high bit
rate applications such as 10GBASE-T. It is intended to specify the equivalence, in
terms of electromagnetic immunity, of different cabling constructions including
unscreened, overall screened and individually-screened pair cables, and also
installation mitigation techniques.

JTC 1/SC 25 looks forward to working with IEEE 802.3 on the extended definition of
Class E and Class F channels, possibly up to higher frequencies than presently
specified by ISO/IEC 11801 2\textsuperscript{nd} edition, and also addressing alien crosstalk.


Best regards

Walter v. Pattay
Secretary of ISO/IEC JTC 1/SC 25