



# ISO/IEC JTC 1/SC 25 **N 912**

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

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(WG 3 Zurich 71)

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ISO/IEC JTC 1/SC 25/WG 3  
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**REQUESTED:** For information

**ACTION:** The next meeting of SC 25/WG 3 will take place,  
2004-02-23/27

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**DISTRIBUTION:**

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IEEE 802 Chairman Paul Nikolich	IEEE 802.3 Chairman Bob Grow
IEEE 802.3 10GBASE-T study group chairman Brad Booth	

**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<sup>nd</sup> edition, and also addressing alien crosstalk.

The next meeting of ISO/IEC JTC 1/SC 25/WG 3 is scheduled for 23-27 February 2004.

Best regards

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