



ISO/IEC JTC 1/SC 25/WG 3 N 869

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ISO/IEC JTC 1/SC 25/WG 3
Customer Premises Cabling
Secretariat: Germany (DIN)

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ACTION: To IEC SC 86A for consideration.
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P-Members/Experts of JTC 1/SC 25/WG 3, see N 766 IEC Central Office, Mr Barta
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Liaison report from ISO/IEC JTC 1/SC 25/WG 3 to IEC SC 86A on bandwidth requirements for new OM4 multimode fibre class

To: **IEC SC 86A**
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Copy **IEEE 802.3**
SC 25/WG 4 (INCITS T11, TIA-TR42)

From: **ISO/IEC JTC 1/SC 25/WG 3**
44th meeting
Barcelona, Spain, 2008-02-18/22

Date: 2008-02-22

TITLE: Bandwidth requirements for new OM4 multimode fibre class

At its last meeting in Barcelona, Spain, in February 2008, ISO/IEC JTC 1/SC 25/WG 3 considered input from IEC SC 86A, IEEE and Fiber Channel, as well as input from its experts regarding the initiative to characterize a new multimode fibre type.

SC 25/WG 3 agreed to recognise a new multimode fibre type called OM4 that is intended to:

- ensure compliance with existing applications by inclusion of OFL bandwidth specifications at 850 nm and 1 300 nm that are at least equal to OM3
- provide advantages in reach and/or modal bandwidth for existing high speed applications, and
- provide a path for the applications which are in development and future developments (including CWDM implementations).

As a result, WG 3 has agreed on the following target bandwidth requirements for the new OM4 fibre type, see Table 1:

Table 1 - OM4 Multimode Bandwidth Requirements

Parameter	Wavelength nm	Minimum modal bandwidth MHz*km
Effective modal bandwidth	850	4 700
OFL bandwidth	850	1 500
OFL bandwidth	1 300	500

The next meeting of ISO/IEC JTC1 SC 25/WG 3 will take place in France 2008-10-20/23, and SC 25/WG therefore respectfully asks for the response from IEC SC 86A, concerning inclusion of these specifications in IEC SC 86A detailed specifications, prior to that time.