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I.S. EN 41003:2008

Particular safety requirements for equipment to be connected to telecommunication networks and/or a cable distribution system

I.S. EN 41003:2008

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EUROPEAN STANDARD

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EN 41003

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Supersedes EN 41003:1998

English version

Particular safety requirements for equipment to be connected to telecommunication networks and/or a cable distribution system

Règles particulières de sécurité pour les matériels de sécurité destinés à être reliés aux réseaux de télécommunications et/ou aux systèmes de distribution par câbles

Besondere Sicherheitsanforderungen an Geräte zum Anschluss an Telekommunikationsnetze und/oder Kabelverteilsysteme

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 108X, Safety of electronic equipment within the fields of audio/video, information technology and communication technology.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 41003 on 2008-07-01.

This European Standard supersedes EN 41003:1998 + corrigendum September 2000.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2009-07-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2011-07-01

The first edition of this European Standard was prepared by CENELEC TC 74X, in close cooperation with a number of international organizations, e.g. IEC, ECMA, CEPT, CCITT, ETSI. In 1993 TC 74X was disbanded and responsibility for this European Standard passed to the Technical Committee CENELEC TC 74, Safety and energy efficiency of information technology equipment. CENELEC TC 74 was disbanded by D112/112 in 2002 and merged with CENELEC TC 92 into new CENELEC TC 108, which was renumbered CENELEC TC 108X by 130 BT.

At that time, a standard was needed for uniform application by network operators in Europe when approving subscribers' equipment for attachment to their networks, and for purchasing purposes by network operators.

In February 1986 the CENELEC Technical Board formed a working group 'Telecom Safety' which became CENELEC TC 74X in early 1987. IEC TC 74 established WG7 to amend IEC 60950 for a similar purpose.

ENV 41003 was ratified by the CENELEC Technical Board in March 1988 and subsequently amended and converted into this EN 41003 which was ratified in September 1990. In June 1992 the CENELEC Technical Board approved the reprint of EN 41003, which was technically unchanged from EN 41003:1991 and refers to EN 60950:1992 wherever possible.

The edition of EN 41003:1996 was deemed necessary following the publication of EN 60950:1992/A3:1995 to reflect further convergence of the two standards.

The edition of EN 41003:1998 was deemed necessary following the publication of EN 60950:1992/A4:1997, to reflect further convergence of the two standards.

This edition of EN 41003 was deemed necessary following the publication of EN 60950-1:2006 Information technology equipment – Safety – Part 1: General requirements (IEC 60950-1:2005, modified), to reflect further convergence of the two standards.

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Introduction

This European Standard is needed for products intended to be connected to a TELECOMMUNICATION NETWORK and/or a CABLE DISTRIBUTION SYSTEM not covered by the scope of EN 60950-1. It is to be used in conjunction with other product safety standards; examples of which are listed in Annex A.

Upper levels for TELECOMMUNICATION/CABLE DISTRIBUTION SYSTEM signals have been defined. They include also telephone ringing signals which have been defined taking into account voltages commonly used in the different networks. The electrical hazard criteria have been chosen to accord with the IEC/TS 60479 series.

Test levels used for the equipment take account of the possibility that overvoltages may occur on TELECOMMUNICATION AND CABLE DISTRIBUTION NETWORKS. Special consideration has been given to equipment parts expected to be held or touched during normal use, e.g. telephone handsets.

It is recognised that in high overvoltages risk areas, requirements of this European Standard may not be sufficient; additional protective devices, not covered by this European Standard, may be installed in the COMMUNICATION NETWORKS to better meet extreme conditions.

For the adoption of this European Standard, the relevant special national conditions and A-deviations apply that are listed in Annexes ZB and ZC of EN 60950-1.