

RATIFICACIÓN DE DOCUMENTOS EUROPEOS JUNIO 2015

HOJA DE ANUNCIO

En cumplimiento del punto 11.2.6.4 de las Reglas Internas de CEN/CENELEC Parte 2, se ha otorgado el rango de norma española al Documento Europeo siguiente:

Documento Europeo	Título	Fecha de Disponibilidad
CLC/TR 60079-32-1:2015	Atmósferas explosivas. Parte 32-1: Peligros electrostáticos. Guía. (Ratificada por AENOR en junio de 2015.)	2015-04-24

Este anuncio causará efecto a partir del primer día del mes siguiente al de su publicación en la revista UNE. La correspondiente versión oficial de este documento se encuentra disponible en la sede de AENOR, Calle Génova 6, 28004 MADRID.

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English Version

**Explosive atmospheres - Part 32-1: Electrostatic Hazards -
Guidance
(IEC/TS 60079-32-1:2013)**

Atmosphères explosives - Partie 32-1: Risques
électrostatiques - Guide
(IEC/TS 60079-32-1:2013)

Explosionsgefährdete Bereiche - Teil 32-1: Elektrostatische
Gefährdungen, Leitfaden
(IEC/TS 60079-32-1:2013)

This Technical Report was approved by CENELEC on 2014-06-02.

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

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Foreword

This document (CLC/TR 60079-32-1:2015) consists of the text of IEC/TS 60079-32-1:2013 prepared by IEC/TC 31 "Equipment for explosive atmospheres".

This document supersedes CLC/TR 50404:2003

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Endorsement notice

The text of the International Standard IEC/TS 60079-32-1:2013 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60243-1	NOTE	Harmonized as EN 60243-1.
IEC 60243-2	NOTE	Harmonized as EN 60243-2.
IEC 60247	NOTE	Harmonized as EN 60247.
IEC 61340-2-1	NOTE	Harmonized as EN 61340-2-1.
IEC 61340-4-5	NOTE	Harmonized as EN 61340-4-5.
IEC 61340-4-7	NOTE	Harmonized as EN 61340-4-7.
ISO 8028	NOTE	Harmonized as EN ISO 8028.
ISO 8330	NOTE	Harmonized as EN ISO 8330.
ISO 13688	NOTE	Harmonized as EN ISO 13688.
ISO 20344	NOTE	Harmonized as EN ISO 20344.
ISO 20345	NOTE	Harmonized as EN ISO 20345.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-0	-	Explosive atmospheres -- Part 0: Equipment - General requirements	EN 60079-0	-
-	-		+A11	-
IEC 60079-10-1	-	Explosive atmospheres -- Part 10-1: Classification of areas - Explosive gas atmospheres	EN 60079-10-1	-
IEC 60079-10-2	-	Explosive atmospheres -- Part 10-2: Classification of areas - Combustible dust atmospheres	EN 60079-10-2	-
IEC 60079-14	-	Explosive atmospheres -- Part 14: Electrical installations design, selection and erection	EN 60079-14	-
IEC 60079-20-1	-	Explosive atmospheres - Part 20-1: Material characteristics for gas and vapour classification - Test methods and data	EN 60079-20-1	-
IEC 60079-32-2	-	Explosive atmospheres -- Part 32-1: Electrostatics hazards - Tests	-	-
IEC 60093	-	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials	HD 429 S1	-
IEC 60167	-	Methods of test for the determination of the insulation resistance of solid insulating materials	HD 568 S1	-
IEC 61340-2-3	-	Electrostatics -- Part 2-3: Methods of test for determining the resistance and resistivity of solid planar materials used to avoid electrostatic charge accumulation	EN 61340-2-3	-
IEC 61340-4-1	-	Electrostatics -- Part 4-1: Standard test methods for specific applications - Electrical resistance of floor coverings and installed floors	EN 61340-4-1	-
IEC 61340-4-3	-	Electrostatics -- Part 4-3: Standard test methods for specific applications - Footwear	EN 61340-4-3	-
IEC 61340-4-4	2012	Electrostatics - Part 4-4: Standard test methods for specific applications - Electrostatic classification of flexible intermediate bulk containers (FIBC)	EN 61340-4-4	2012
ISO 284	-	Conveyor belts - Electrical conductivity - Specification and test method	EN ISO 284	-

ISO 6297	-	Petroleum products - Aviation and distillate - fuels - Determination of electrical conductivity	-
ISO 8031	-	Rubber and plastics hoses and hose assemblies - Determination of electrical resistance and conductivity	EN ISO 8031 -
ISO 9563	-	Belt drives; electrical conductivity of antistatic endless synchronous belts; characteristics and test method	- -
ISO 12100-1	-	Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology	EN ISO 12100-1 -
ISO 16392	-	Tyres - Electrical resistance - Test method for measuring electrical resistance of tyres on a test rig	- -
ISO 21178	-	Light conveyor belts - Determination of electrical resistances	EN ISO 21178 -
ISO 21179	-	Light conveyor belts - Determination of the electrostatic field generated by a running light conveyor belt	EN ISO 21179 -
ISO 21183-1	-	Light conveyor belts - Part 1: Principal characteristics and applications	EN ISO 21183-1 -
ASTM D257	-	Standard Test Methods for DC Resistance or Conductance of Insulating Materials	- -
ASTM D2624-07a	-	Standard Test Methods for Electrical Conductivity of Aviation and Distillate Fuels	- -
ASTM D4308-95	-	Standard Test Method for Electrical Conductivity of Liquid Hydrocarbons by Precision Meter	- -
ASTM E2019-03	-	Standard test method for minimum ignition energy of a dust cloud in air	- -
ASTM E582-88	-	Standard test method for minimum ignition energy and quenching distance in gaseous mixtures	- -
ASTM F150	-	Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring	- -
ASTM F1971	-	Standard Test Method for Electrical Resistance of Tires Under Load On the Test Bench	- -
BS 5958-1	-	Code of practice for control of undesirable static electricity - Part 1: General considerations	- -
BS 5958-2	-	Code of practice for control of undesirable static electricity - Part 2: Recommendations for particular industrial situations	- -
BS 7506-2	-	Methods for measurements in electrostatics - Part 2 Test methods	- -
DIN 51412-1	-	Testing of petroleum products; determination of the electrical conductivity - Part 1: laboratory method	- -
DIN 51412-2	-	Testing of petroleum products; determination of the electrical conductivity - Part 2: field method	- -
EN 1081	-	Resilient floor coverings - Determination of the electrical resistance	- -
EN 1149-3	-	Protective clothing - Electrostatic properties - Part 3: Test methods for measurement of charge decay	- -

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