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Electronic railway equipment - Train communication network - Part 3-1: MVB - Multipurpose Vehicle Bus (IEC 61375-3-1:2012)

Elektronische Betriebsmittel für Bahnen - Zug-Kommunikations-Netzwerk - Teil 3-1: Multipurpose Vehicle Bus (MVB) (IEC 61375-3-1:2012)

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Matériel électronique ferroviaire - Réseau embarqué de train (TCN) - Partie 3-1: Bus de véhicule multifonctions (MVB) (CEI 61375-3-1:2012)

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(IEC 61375-3-1:2012)

Matériel électronique ferroviaire - Réseau embarqué de train (TCN) - Partie 3-1: Bus de Véhicule Multifonctions (MVB)
(CEI 61375-3-1:2012)

Elektronische Betriebsmittel für Bahnen - Zug-Kommunikations-Netzwerk - Teil 3-1: Multipurpose Vehicle Bus (MVB)
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Foreword

The text of document 9/1644/FDIS, future edition 1 of IEC 61375-3-1, prepared by IEC/TC 9 "Electrical equipment and systems for railways" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61375-3-1:2012.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2013-04-26
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2015-07-26

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

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Endorsement notice

The text of the International Standard IEC 61375-3-1:2012 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 60332-1-2	NOTE	Harmonized as EN 60332-1-2.
IEC 60870 series	NOTE	Harmonized in EN 60870 series.
IEC 61158-2	NOTE	Harmonized as EN 61158-2.

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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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication	Year	Title	EN/HD	Year
IEC 60245-1	-	Rubber insulated cables - Rated voltages up to and including 450/750 V - Part 1: General requirements	-	-
IEC 60304	-	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	-
IEC 60332-1-1	-	Tests on electric and optical fibre cables under fire conditions - Part 1-1: Test for vertical flame propagation for a single insulated wire or cable - Apparatus	EN 60332-1-1	-
IEC 60571	-	Electronic equipment used on rail vehicles	-	-
IEC 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60807	Series	Rectangular connectors for frequencies below 3 MHz	-	-
IEC 60870-5-1	-	Telecontrol equipment and systems - Part 5: Transmission protocols - Section 1: Transmission frame formats	EN 60870-5-1	-
IEC 61375-2-1	-	Electronic railway equipment - Train communication network (TCN) - Part 2-1: Wire Train Bus (WTB)	EN 61375-2-1	-
ISO/IEC 8482	-	Information technology - Telecommunications and information exchange between systems - Twisted pair multipoint interconnections	-	-
ISO/IEC 8802-2	-	Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 2: Logical link control	-	-
ISO/IEC 8824	Series	Information technology - Abstract Syntax Notation One (ASN.1)	-	-
ISO/IEC 8825	Series	Information technology - ASN.1 encoding rules	-	-
ISO/IEC 9646	Series	Information technology - Open Systems Interconnection - Conformance testing methodology and framework	-	-
ISO/IEC 13239	-	Information technology - Telecommunications and information exchange between systems - High-level data link control (HDLC) procedures	-	-

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Publication	Year	Title	EN/HD	Year
ITU-T Recommendation Z.100	-	Specification and Description Language (SDL)	-	-

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Annex ZZ
(informative)

Coverage of Essential Requirements of EU Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers all relevant essential requirements as given in Annex III of the EU Directive 2008/57/EC.

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

WARNING: Other requirements and other EU Directives may be applicable to the products falling within the scope of this standard.

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