



SLOVENSKI STANDARD
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ghcdb]W`]b`lfU_cj Y`nUcgYVY`fjhnYŁ!`CXXUUb^Y`a chYb^

Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Emission

Elektromagnetische Verträglichkeit - Produktfamilien-Norm für Aufzüge, Fahrtreppen und Fahrsteige - Störaussendung

Ta slovenski standard je istoveten z: EN 12015:2004/prA1

ICS:

33.100.10

91.140.90

SIST EN 12015:2005/oprA1:2008 **en**

ICS 33.100.10; 91.140.90

English Version

Electromagnetic compatibility - Product family standard for lifts, escalators and moving walks - Emission

Elektromagnetische Verträglichkeit - Produktfamilien-Norm
für Aufzüge, Fahrtreppen und Fahrsteige - Störaussendung

This draft amendment is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 10.

This draft amendment A1, if approved, will modify the European Standard EN 12015:2004. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

This draft amendment was established by CEN in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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Foreword

This document (EN 12015:2004/prA1:2007) has been prepared by Technical Committee CEN/TC 10 "Lifts, escalators and moving walks", the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

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

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

The recast EMC Directive 2004/108/EC made it necessary to modify Annex ZA of EN 12015:2004. At the same time it was appropriate to align the requirements of EN 12015 to EN 61000-3-12:2004 which was published after the development of EN 12015:2004.

1 Modifications to the Introduction

A new third paragraph shall be added: "Values for the harmonic emission limits are taken from the harmonised standard EN 61000-3-12. Taking into account the characteristics and environment of lifts, escalators and moving walks these harmonic values are applicable for all sizes of systems."

2 Modifications to Clause 1

In the second paragraph, reference to EN 115 shall be replaced by reference to EN 115-1.

3 Modifications to Clause 2

Reference to EN 115 shall be deleted and replaced by "EN 115-1, *Safety of escalators and moving walks — Part 1: Construction and installation.*"

Reference to EN 55014-1:2000 shall be replaced by "EN 55014-1:2006, *Electromagnetic compatibility — Requirements for household appliances, electric tools and similar apparatus — Part 1: Emission (CISPR 14-1:2005).*"

It shall be added: "EN 61000-3-12:2004, *Electromagnetic compatibility (EMC) — Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase (IEC 61000-3-12:2004).*"

Reference to IEC/TR2 61000-3-4:1998 shall be deleted.

4 Modifications to Clause 4

In 4.3, reference to IEC/TR2 61000-3-4 shall be replaced by reference to EN 61000-3-12.

In 4.3, a new sentence shall be added at the end of the third paragraph: "The system shall be allowed to stabilise into its normal state as defined by the manufacturer before harmonic measurements are taken."

5 Modifications to Clause 6

In 6.4, reference to EN 55014-1:2000, 4.2.3 shall be replaced by reference to EN 55014-1:2006, 4.2.3.

In 6.7.2, a new third paragraph shall be added: "Individual harmonics below 1 % of the reference fundamental current are disregarded."

6 Modifications to Table 4

Table 4 shall be deleted and replaced as follows:

Table 4 — Harmonic distortion

Environmental phenomena	Test set-up	Units	Limits for permanent emission ^a
Harmonic distortion	EN 61000-3-12	I_5/I_1 [%]	31
		I_7/I_1 [%]	20
		I_{11}/I_1 [%]	12
		I_{13}/I_1 [%]	7
Harmonic distortion factor	EN 61000-3-12	THD [%]	37
		PWHD [%]	38
NOTE 1 The relative value of even harmonics should not exceed $16/n$ [%]. Even harmonics above order 12 are taken into account in THD and PWHD in the same way as odd order harmonics.			
^a The given limits are based on EN 61000-3-12 for $R_{sce} = 250$ (balanced three phase equipment).			

7 Modifications to Annex ZA

Annex ZA shall be deleted and replaced by the following:

Annex ZA
(informative)

Relationship between this European Standard and the Essential Requirements of EC Directive 2004/108/EC

This European Standard has been prepared under a mandate given to CEN by the European Commission to provide a means of conforming to Essential Requirements of the New Approach Directive for Electromagnetic Compatibility 2004/108/EC.

Once this standard is cited in the Official Journal of the European Communities under that Directive and has been implemented as a national standard in at least one Member State, compliance with the normative clauses of this standard confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding Essential Requirements of that Directive and associated EFTA regulations.

WARNING — Other requirements and other EC Directives may be applicable to the product(s) falling within the scope of this standard.