

DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

ELECTRICAL REQUIREMENTS FOR LIFTS, ESCALATORS AND MOVING WALKS — PART 2 ELECTROMAGNETIC COMPATIBILITY WITH REGARD TO IMMUNITY

Lifts, Escalators and Moving Walks Sectional Committee, ETD 25

NATIONAL FOREWORD

This draft Indian Standard (Part 2) which is identical with ISO 8102 -2 :2021 'Electrical requirements for lifts, escalators and moving walks — Part 2 Electromagnetic compatibility with regard to immunity' issued by the International Electrotechnical Commission (IEC) will be adopted by the Bureau of Indian Standards on the recommendation of the Lifts, Escalators and Moving Walks Sectional Committee and approval of the Electrotechnical Division Council.

This series of standards consists of two parts. The other parts of this series is given below:
Doc ETD 25 (16911)/ Electrical Requirements for Lifts, Escalators and Moving Walks — Part 1
Electromagnetic Compatibility with Regard to Emission (*under wide circulation*)

The text of the ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words 'International Standard' appears referring to this standard, they should be read as 'Indian Standard'.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 61000-4-2:2008 Electromagnetic Compatibility (EMC) — Part 4-2: Testing and measurement techniques; Electrostatic discharge immunity test	IS 14700 (Part 4/Sec 2) : 2018 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 2 Electrostatic discharge immunity test (<i>second revision</i>)	Identical with IEC 61000-4-2:2008

IEC 61000-4-3:2020 Electromagnetic compatibility (EMC) — Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	IS 14700 (Part 4/Sec 3) : 2018 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 24 Test methods for protective devices for HEMP conducted disturbance (<i>first revision</i>)	Identical with IEC 61000-4-3 : 2020
IEC 61000-4-4:2012 Electromagnetic compatibility (EMC) — Part 4-4: Testing and measurement techniques — Electrical fast transient/burst immunity test	IS 14700 (Part 4/Sec 4) : 2018 Electromagnetic compatibility (EMC): Part 4 Testing and measurement techniques, Section 4 Electrical fast transient/burst immunity test (<i>second revision</i>)	Identical with IEC 61000-4-4:2012
IEC 61000-4-6:2013 Electromagnetic compatibility (EMC) — Part 4-6: Testing and measurement techniques — Immunity to conducted disturbances, induced by radio-frequency fields	IS 14700 (Part 4/Sec 6) : 2016 Electromagnetic compatibility (EMC): Part 4 Testing and measurement techniques, Section 6 Immunity to conducted disturbances, induced by radio - frequency fields	Identical with IEC 61000-4-6:2013
IEC 61000-4-11:2020 Electromagnetic compatibility (EMC) —Part 4-11: Testing and measurement techniques – Voltage dips, short interruptions and voltage variations immunity tests for equipment with input current up to 16 A per phase	IS 14700 (Part 4/Sec 11) : 2008 Electromagnetic compatibility (EMC) : Part 4 Testing and measurement techniques, Section 11 Voltage dips, short interruptions and voltage variations immunity tests	Identical with IEC 61000-4-11:2020
IEC 61000-6-1:2016 Electromagnetic compatibility — Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments	IS 14700 (Part 6/Sec 1) : 2019 Electromagnetic compatibility (EMC) : Part 6 Generic standards Section 1 Immunity standard for residential, commercial and light-industrial environments (<i>first revision</i>)	Identical with IEC 61000-6-1:2016
IEC 61000-6-2:2016 Electromagnetic compatibility (EMC) — Part 6-2: Generic standards – Immunity for industrial environments	IS 14700 (Part 6/Sec 2) : 2019 Electromagnetic compatibility (EMC) : Part 6 Generic standards Section 2 Immunity standard for industrial environments (<i>first revision</i>)	Identical with IEC 61000-6-2:2016

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	Title
IEC 60050-161:1990+A1: 2019	International Electrotechnical Vocabulary (IEV) — Part 161: Electromagnetic compatibility
IEC 61000-4-5:2014+A1: 2017	Electromagnetic compatibility (EMC) — Part 4-5: Testing and measurement techniques — Surge immunity test
CISPR 32:2015+A1: 2019	Information technology equipment — Radio disturbance characteristics — Limits and methods of measurement
CISPR 35:2016	Electromagnetic compatibility of multimedia equipment - Immunity requirements

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2 : 1960 ‘Rules for rounding off numerical values (revised)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Note: The technical content of the document is not available on website. For details, please refer the corresponding ISO 8102 -2 :2021 or kindly contact:

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