ISO/TR 16764:2003-09 (E)

Lifts, escalators and passenger conveyors - Comparison of worldwide standards on electromagnetic interference/electromagnetic compatib ility

Contents

Page

Foreword iv

0 Introduction v
0.1 Background v
0.2 Understanding electromagnetic interference/electromagnetic compatibility (EMI/EMC) v

1 Scope 1

2 Electromagnetic interference/electromagnetic compatibility standards 1
2.1 Background 1
2.2 CISPR/IEC 1
2.3 National committees/standards 3
2.4 CENELEC 5
2.5 Military 5

3 Sources of electromagnetic disturbances 5
3.1 General 5
3.2 Classification of electromagnetic interference (EMI) 6
3.3 Typical EMC phenomena 7

4 EMI/EMC comparison 11
4.1 Emissions standards comparison 11
4.2 Susceptibility/immunity standards comparison 11

5 Test and measurement requirements 11

6 Future development 12
6.1 Europe 12
6.2 China 13
6.3 United States 13

7 Observations and recommendations 13
7.1 General 13
7.2 Emission 14
7.3 Immunity 14

Annex A (normative) Conducted and radiated emission limits 15

Annex B (normative) Susceptibility/Immunity 26

Annex C (normative) Emissions/Immunity 30

Annex D (informative) EMI/EMC units 34

Annex E (informative) Frequency spectrum 35

Bibliography 36