



SLOVENSKI STANDARD
oSIST prEN IEC 55035:2025
01-december-2025

Elektromagnetna združljivost večpredstavnostne opreme - Zahteve za odpornost

Electromagnetic compatibility of multimedia equipment - Immunity requirements

Compatibilité électromagnétique des équipements multimédias - Exigences d'immunité

Ta slovenski standard je istoveten z: **prEN IEC 55035:2025**

ICS:

<https://standards.sist.si/standards/sist/d53ea3bc-0ac9a-835f23af0977/osist-pren-iec-55035-2025> 33.100.20 Imunost Immunity

oSIST prEN IEC 55035:2025

en



CIS//697/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: CISPR 35 ED2	
DATE OF CIRCULATION: 2025-10-17	CLOSING DATE FOR VOTING: 2026-01-09
SUPERSEDES DOCUMENTS: CIS//677/RR	

IEC CIS/I : ELECTROMAGNETIC COMPATIBILITY OF INFORMATION TECHNOLOGY EQUIPMENT, MULTIMEDIA EQUIPMENT AND RECEIVERS	
SECRETARIAT: Japan	SECRETARY: Mr Kazuyuki Hori
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 77, SC 77B, CIS/A	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED: Digital content, Electricity transmission and distribution, Energy Efficiency, Environment, Information security and data privacy, Safety	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING Attention IEC-CENELEC parallel voting The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	<input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING

This document is still under study and subject to change. It should not be used for reference purposes.

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

Recipients of this document are invited to submit, with their comments, notification of any relevant "In Some Countries" clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Electromagnetic compatibility of multimedia equipment - Immunity requirements

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

iTeh Standards (<https://standards.iteh.ai>) Document Preview

[oSIST prEN IEC 55035:2025](#)

<https://standards.iteh.ai/catalog/standards/sist/d53ea3bc-04c4-4ab6-ac9a-835f23af0977/osist-pren-iec-55035-2025>

CONTENTS

0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45

FOREWORD.....	6
INTRODUCTION.....	8
1 Scope.....	9
2 Normative references	9
3 Terms, definitions and abbreviated terms	10
3.1 Terms and definitions.....	10
3.2 Abbreviated terms.....	18
4 Overview	22
4.1 General.....	22
4.2 Test details	23
4.2.1 Electrostatic discharges (ESD)	23
4.2.2 Continuous RF disturbance tests	24
4.2.3 Power frequency magnetic field	25
4.2.4 Electrical fast transients/burst (EFT/B).....	25
4.2.5 Surges.....	25
4.2.6 Voltage dips and interruptions	26
5 Requirements	26
5.1 Application of tests	26
5.1.1 General	26
5.1.2 Examples of justifications	27
5.2 Representation of test levels.....	27
5.3 Test conditions	28
5.3.1 Power	28
5.3.2 Environmental parameters.....	28
5.3.3 Specific requirements for continuous RF disturbance tests	28
6 Test report.....	33
7 Test configuration.....	33
8 General performance criteria	34
8.1 General.....	34
8.2 Performance criterion A	35
8.3 Performance criterion B	35
8.4 Performance criterion C	35
9 Compliance with this document	35
10 Test uncertainty.....	36
Annex A (normative) Broadcast reception function.....	37
A.1 General.....	37
A.2 Applicability	37
A.3 Mode of operation	38
A.4 Modified test levels and performance criteria	38
Annex B (normative) Print function.....	39
B.1 Applicability	39
B.2 Mode of operation	39
B.3 Performance criteria	39
Annex C (normative) Scan function.....	41

CISPR CDV ED2 © IEC 2025

46	C.1	Applicability	41
47	C.2	Mode of operation	41
48	C.3	Performance criteria	41
49	Annex D (normative)	Display and display output functions	43
50	D.1	Applicability	43
51	D.2	Mode of operation	43
52	D.3	Performance criteria	46
53	Annex E (normative)	Musical tone generating function	48
54	E.1	Applicability	48
55	E.2	Mode of operation	48
56	E.3	Performance criteria	48
57	Annex F (normative)	Networking functions	51
58	F.1	Applicability	51
59	F.2	Basic Network Terminal (BNT) function	51
60	F.3	General requirements for network functions	52
61	F.4	Requirements for CPE containing xDSL ports	55
62	Annex G (normative)	Audio output function	61
63	G.1	Applicability	61
64	G.2	Overview	61
65	G.3	Reference level	62
66	G.4	Mode of operation	63
67	G.5	Method of measurement	63
68	G.6	Performance criteria	66
69	G.7	Test setup examples	67
70	Annex H (normative)	Telephony function	71
71	H.1	Applicability	71
72	H.2	General	71
73	H.3	Mode of operation	72
74	H.4	Performance criteria	72
75	Annex I (normative)	Radio function	73
76	I.1	Applicability	73
77	I.2	Application of the requirements of Annex I	73
78	I.3	Exclusion bands	74
79	I.4	Other exclusion bands	78
80	I.5	Specific radio function test configurations	78
81	I.6	Mode of operation	79
82	I.7	Performance criteria	81
83	Annex J (informative)	Immunity to specific radio technologies operating at frequencies of 700 MHz and above	83
84			
85	Annex K (informative)	Examples of how to apply this document	85
86	K.1	Purpose	85
87	K.2	Developing the test plan	85
88	K.3	Specific examples	86
89	Annex L (informative)	Colour bar image	95
90	L.1	Overview	95
91	L.2	Image description	95
92	L.3	Primary colour contributions and saturation	95
93	L.4	Moving element	96

CISPR CDV ED2 © IEC 2025

94	Annex M (informative) Digital broadcast signals	97
95	Annex N (informative) Receiver input signal level setting	100
96	N.1 Introduction	100
97	N.2 Solutions	100
98	Bibliography	103
99		
100	Figure 1 – Channel width	12
101	Figure 2 – Exclusion band for a channelized system	13
102	Figure 3 – Exclusion band for a non-channelized system	14
103	Figure 4 – Occupied bandwidth	15
104	Figure 5 – Operating channel	15
105	Figure 6 – Examples of ports	16
106	Figure 7 – Example of a public wired network	17
107	Figure 8 – Example setup for surge tests applied to shielded cables, grounded only at 108 the EUT	26
109	Figure 9 – Graphical representation of the continuous RF conducted disturbances 110 levels defined in table clause 2.1	27
111	Figure D.1 – Example test setup with automated detection of display degradation	45
112	Figure D.2 – Example test setup with automated detection of display output 113 degradation	45
114	Figure F.1 – xDSL access system configuration	56
115	Figure F.2 – Example schematic of the broadband impulse noise disturbances test 116 setup	58
117	Figure G.1 – Example basic test setup for electrical measurements (direct connection 118 to EUT)	67
119	Figure G.2 – Example basic test setup for acoustic measurements	67
120	Figure G.3 – Example test setup for acoustic measurements on loudspeakers	67
121	Figure G.4 – Example test setup for on-ear acoustic measurements	68
122	Figure G.5 – Example test setup for on-ear acoustic measurements, microphone 123 located away from earpiece transducer	68
124	Figure G.6 – Example test setup for measuring the sound pressure level from the 125 acoustic output device of a telephone handset	69
126	Figure G.7 – Example test setups for measuring the demodulation on analogue wired 127 network lines	70
128	Figure I.1 – Example of a continuous RF radiated disturbance test set up with a 129 transceiver (EUT) within a test chamber	79
130	Figure K.1 – Examples of different functions	86
131	Figure K.2 – Example of a typical small key telephone system or PABX	93
132	Figure L.1 – Colour bar image	96
133		
134	Table 1 – Immunity requirements for enclosure ports	29
135	Table 2 – Immunity requirements for analogue/digital data ports	30
136	Table 3 – Immunity requirements for DC network power ports	31
137	Table 4 – Immunity requirements for AC mains power ports	32
138	Table 5 – Test arrangements of EUT	33