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Project No. 2021/01857

Responsible committee: GEL/210/11 EMC - Standards Committee

Interested committees:

Title: BS EN IEC 55011 Fragment 2: Miscellaneous, definitions and annexes

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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THIS DRAFT IS NOT CURRENT BEYOND 8 December 2021**

This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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Responsible Committee Secretary: **Mrs Geraldine D Salt (BSI)**
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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



CIS/B/777/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:

CISPR 11/FRAG2 ED7

DATE OF CIRCULATION:

2021-10-15

CLOSING DATE FOR VOTING:

2022-01-07

SUPERSEDES DOCUMENTS:

CIS/B/761/CD, CIS/B/772/CC

IEC CIS/B : INTERFERENCE RELATING TO INDUSTRIAL, SCIENTIFIC AND MEDICAL RADIO-FREQUENCY APPARATUS, TO OTHER (HEAVY) INDUSTRIAL EQUIPMENT, TO OVERHEAD POWER LINES, TO HIGH VOLTAGE EQUIPMENT AND TO ELECTRIC TRACTION

SECRETARIAT:

Japan

SECRETARY:

Mr Hirokazu Tokuda

OF INTEREST TO THE FOLLOWING COMMITTEES:

PROPOSED HORIZONTAL STANDARD:



Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.

FUNCTIONS CONCERNED:

☒ EMC

☐ ENVIRONMENT

☐ QUALITY ASSURANCE

☐ SAFETY

☒ SUBMITTED FOR CENELEC PARALLEL VOTING

☐ NOT 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.

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.

TITLE:

Fragment 2: Miscellaneous, definitions and annexes

PROPOSED STABILITY DATE: 2024

NOTE FROM TC/SC OFFICERS:

The current maintenance of CISPR 11 covers the fragments f1 to f7 which are processed separately (the CDV of fragment f1 was already out for voting with a positive result). In order to allow NCs an easier understanding of all the changes intended for the next edition of CISPR 11, a draft consolidated version will be circulated as INF document in CIS/B with incorporation of all the elements covered in the CDVs of fragments f2 to f7.

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INTRODUCTION TO FRAGMENT F2

Note: the text of this INTRODUCTION will not be part of a final publication of the next edition of CISPR 11.

During the latest meetings of CISPR/B WG 1, since discussing the comments from NCs on the document B/662/DC (with the outcome in B/670/INF), and at the last plenary meeting of CISPR/B in Shanghai, CN in Oct 2019 (see B/734/DL, B/735/RM), the need of maintenance of CISPR 11 Ed. 6.2 was identified. WG 1 was tasked at that plenary meeting to start with the related activities and consequently to circulate working drafts and/or committee drafts to NCs for commenting.

As many maintenance issues have been identified, partly editorial ones, partly technical ones and partly ones resulting in new sets of requirements, CIS/B officers together with WG 1 decided to split the maintenance work into several fragments. This would allow to process the maintenance issues individually and to finally merge them at the FDIS stage depending on their individual progress.

For the time being, it is intended to continue maintenance with CDVs for the following fragments:

- f2: general maintenance issues, as for example revision of definitions and annexes (following B/739/CD, B/757/CC, B/761/CD and B/772/CC)
- f3: requirements for radio beam wireless power transfer (WPT-AAD) equipment (following B/740/CD and B/750/CC)
- f4: requirements when performing emission measurements on robots (following B/741/CD, B/751/CC, B/754/CD and B/768/CC)
- f5: requirements for wired network ports (following B/742/CD, B/753/CC, B/758/CD and B/771/CC)
- f6: requirements for Group 1 equipment in the frequency range above 1 GHz (following B/743/CD, B/755/CC, B/759/CD and B/769/CC)
- f7: requirements for radio enabled products (following B/744/CD, B/756/CC, B/760/CD and B/770/CC)

The work on f1 is done in CIS/B/AHG 4 and the CDV (B/763/CDV) was already out for voting with a positive voting result.

Following the comments from NCs onto the above documents, some further items were raised for consideration during the maintenance. These items will become subject to further fragments or amendments, respectively.

This document covers the CDV for fragment f2 containing some general items for revision of edition 6.2. It takes into account the comments received on CD1 (B/739/CD and B/757/CC), CD2 (B/761/CD and B/772/CC), as well as the output of a questionnaire (B/765/Q).

INTRODUCTION

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38 *The text of the INTRODUCTION in the existing publication CISPR 11 Ed. 6.2 will be kept,*
39 *however:*

40 *Remove the last 6 lines of text in the existing INTRODUCTION:*

41 ~~Definition 1.15 of the ITU Radio Regulations reads as follows:~~

42 ~~1.15 industrial, scientific and medical (ISM) applications (of radio frequency energy): Operation~~
43 ~~of equipment or appliances designed to generate and use locally radio frequency energy for~~
44 ~~industrial, scientific, medical, domestic or similar purposes, excluding applications in the field~~
45 ~~of telecommunications.~~

46 ~~[ITU Radio Regulations Volume 1: 2012 — Chapter I, Definition 1.15]~~

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**INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENT – RADIO-
FREQUENCY DISTURBANCE CHARACTERISTICS – LIMITS AND METHODS
OF MEASUREMENT –**

**Amendment to CISPR 11 –
Miscellaneous, definitions and annexes
Committee Draft for vote (CDV) – Fragment 2 (f2)**

Start of the instruction list

2 Normative references

Editor's note: The existing normative references will be updated.

Replace the existing normative reference to CISPR 16-1-1 by:

CISPR 16-1-1:2019, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-1: Radio disturbance and immunity measuring apparatus – Measuring apparatus*

Replace the existing normative reference to CISPR 16-1-2 by:

CISPR 16-1-2:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-2: Radio disturbance and immunity measuring apparatus – Coupling devices for conducted disturbance measurements*
CISPR 16-1-2:2014/AMD 1:2017

Replace the existing normative reference to CISPR 16-1-4 by:

CISPR 16-1-4:2019, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 1-4: Radio disturbance and immunity measuring apparatus – Antennas and test sites for radiated disturbance measurements*
CISPR 16-1-4:2019/AMD 1:2020

Replace the existing normative reference to CISPR 16-2-1 by:

CISPR 16-2-1:2014, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-1: Methods of measurement of disturbances and immunity – Conducted disturbance measurements*
CISPR 16-2-1:2014/AMD 1:2017

Replace the existing normative reference to CISPR 16-2-3 by:

CISPR 16-2-3:2016, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 2-3: Methods of measurement of disturbances and immunity – Radiated disturbance measurements*
CISPR 16-2-3:2016/AMD 1:2019

Replace the existing normative reference to CISPR 16-4-2 by:

CISPR 16-4-2:2011, *Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainties, statistics and limit modelling – Measuring instrumentation uncertainty*
CISPR 16-4-2:2011/AMD 1:2014
CISPR 16-4-2:2011/AMD 2:2018

Replace the existing normative reference to IEC 60601-1-2 by:

IEC 60601-1-2:2014, *Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic disturbances – Requirements and tests*

IEC 60601-1-2:2014/AMD 1:2020

Replace the existing normative reference to IEC 60601-2-2 by:

IEC 60601-2-2:2017, *Medical electrical equipment – Part 2-2: Particular requirements for the basic safety and essential performance of high frequency surgical equipment and high frequency surgical accessories*

Replace the existing normative reference to IEC 60974-10 by:

IEC 60974-10:2020, *Arc welding equipment – Part 10: Electromagnetic compatibility (EMC) requirements*

Replace the existing normative reference to IEC 62135-2 by:

IEC 62135-2:2020, *Resistance welding equipment – Part 2: Electromagnetic compatibility (EMC) requirements*

Replace the existing normative reference to ITU Radio Regulations by:

ITU Radio Regulations (2020), *Radio regulations* (available at <http://www.itu.int/en/myitu/Publications/2020/09/02/14/23/Radio-Regulations-2020>)

3 Terms and definitions

Replace the existing title of clause 3 by:

3 Terms, definitions and abbreviations

Insert, right after the title of clause 3, a new subclause title, as follows:

3.1 Terms and definitions

Renumber all existing terms and definitions from clause 3 with the next lower-level heading numbering, i.e. 3.1 becomes 3.1.1 and so on to 3.23, which becomes 3.1.23.

Replace the existing definition 3.17 by:

3.1.17

small equipment under test

small EUT

equipment under test, either positioned on a table top or standing on the floor, which, including its cables, fits in a cylindrical volume of 1,5 m in diameter and 1,5 m height (as measured from the floor)

NOTE 1 to entry: At an OATS or in a SAC, the radiated emission measurement distance of 3 m shall only be used for small EUTs

[SOURCE: CISPR 16-2-3:2019, 3.1.35, modified – only use the volume for 3 m measurement distance]