

BUREAU OF INDIAN STANDARDS

PRELIMINARY DRAFT FOR COMMENTS ONLY

(Not to be reproduced without the permission of BIS or used as an Indian Standard)

मसौदा भारतीय मानक
अंतर्राष्ट्रीय इलेक्ट्रोटेक्निकल शब्दावली (आईईवी) - भाग
395: परमाणु उपकरण -
भौतिक घटनाएं, बुनियादी अवधारणाएं, उपकरण, सिस्टम,
उपकरण और डिटेक्टर
(पहला पुनरीक्षण)

Draft Indian Standard

International Electrotechnical Vocabulary (IEV) - Part 395:
Nuclear instrumentation –
Physical phenomena, basic concepts, instruments, systems,
equipment and detectors

(First Revision)

ICS: 01.040.29, 17.240, 27.120.01

©BIS 2024

©IEC 2024

NATIONAL FOREWORD

(Formal clauses will be added later)

This Draft Indian Standard (Part 395) (First Revision) which is identical with IEC 60050-395:2014 International Electrotechnical Vocabulary (IEV) - Part 395: Nuclear instrumentation - Physical phenomena, basic concepts, instruments, systems, equipment and detectors' issued by the International Electrotechnical Commission (IEC) *will be* adopted by the Bureau of Indian Standards on the recommendation of Electronic Measuring Instruments, Systems And Accessories Sectional Committee and approval of the Electronics and Information Technology Division Council.

This standard IS 1885 (Part 63): 1985 was originally published in 1987 and was identical with IEC 60050-391: 1975 and 60050-392: 1976. The first revision of this standard has been taken to align with the latest version of IEC 60050-395:2014.

It constitutes a technical revision.

The text of IEC Standard *will be* 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.

The technical committee has reviewed the provisions of following International Standards referred in this adopted standard and has decided that they are acceptable for use in conjunction with this standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies:

International Standards	Title
IEC 60050-393:2003 and IEC 60050-394:2007 has been replaced by: IEC 60050-395:2014	International Electrotechnical Vocabulary (IEV) - Part 395: Nuclear instrumentation - Physical phenomena, basic concepts, instruments, systems, equipment and detectors

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 or analysis, shall be rounded off in accordance with IS 2:2022 'Rules for rounding off numerical values (*Second Revision*)'. The

number of significant places retained in the rounded off value should be same as that of the specified value in this standard.

SCOPE OF IEC 60050-395:2014

This part of IEC 60050 gives the general terminology used in nuclear instrumentation, including physical phenomena, basic concepts, instruments, systems, equipment and detectors. This part of IEC 60050 has the status of a horizontal standard in accordance with IEC Guide 108, Guidelines for ensuring the coherency of IEC publications – Application of horizontal standards.

This terminology is consistent with the terminology published in the other specialized parts of the IEC.

This horizontal standard is primarily intended for use by technical committees in the preparation of standards in accordance with the principles laid down in IEC Guide 108.

One of the responsibilities of a technical committee is, wherever applicable, to make use of horizontal standards in the preparation of its publications. The contents of this horizontal standard will not apply unless specifically referred to or included in the relevant publications.

Note: - The Technical content of this document has not been enclosed as these are identical with the corresponding IEC Standard. For details, please refer to IEC 60050-395:2014 or kindly contact.

Head,

Electronics & IT Department
Bureau of Indian Standards
9, B.S. Zafar Marg,
New Delhi-110002
Email: litd@bis.gov.in, litd08@bis.gov.in
Tele: 011-23608401