



SLOVENSKI STANDARD
oSIST prEN 60079-11:2021
01-januar-2021

Eksplozivne atmosfere - 11. del: Zaščita opreme z lastno varnostjo "i"

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

Explosionsgefährdete Bereiche - Teil 11: Geräteschutz durch Eigensicherheit "i"

Atmosphères explosives - Partie 11: Protection de l'équipement par sécurité intrinsèque "i"

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Ta slovenski standard je istoveten z: prEN 60079-11:2020

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ICS:

29.260.20	Električni aparati za eksplozivna ozračja	Electrical apparatus for explosive atmospheres
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31G/327/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: IEC 60079-11 ED7	
DATE OF CIRCULATION: 2020-11-06	CLOSING DATE FOR VOTING: 2021-01-29
SUPERSEDES DOCUMENTS: 31G/291/CD, 31G/297A/CC	

IEC SC 31G : INTRINSICALLY-SAFE APPARATUS	
SECRETARIAT: United Kingdom	SECRETARY: Mr Nicholas Ludlam
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 18, SC 31J	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING <input type="checkbox"/> 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.	

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TITLE:

Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"

PROPOSED STABILITY DATE: 2026

NOTE FROM TC/SC OFFICERS:

The attached CDV includes significant changes from Edition 6 including a restructure and new technical elements. It is requested that NCs hold any new items until completion of Edition 7.

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The list of 'significance of differences' in the Foreword will be circulated as a separate INF document.
Due to the nature of changes between this CDV and IEC 60079-11 Ed 6 a redline comparison is not being circulated.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

EXPLOSIVE ATMOSPHERES –

Part 11: Equipment protection by intrinsic safety "i"

FOREWORD

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411

412 International Standard IEC 60079-11 has been prepared by subcommittee 31G: Intrinsically
413 safe apparatus, of IEC technical committee 31: Equipment for explosive atmospheres.

414 This seventh edition cancels and replaces the sixth edition published in 2011 and constitutes a
415 technical revision.

416 The significance of changes between IEC Standard, IEC 60079-11, Edition 7.0, yyyy-mm and IEC
417 60079-11, Edition 6.0, 2011-06 (Including Corrigendum No.1) are as listed below:

418

419 **The list of significance of differences between Edition 7 and Edition 6 will be circulated as a**
 420 **separate document.**

Changes	Type			
	Clause	Minor and editorial changes	Extension	Major technical changes

421

422 **NOTE:** The technical changes referred to include the significance of technical changes in the revised
 423 IEC Standard, but they do not form an exhaustive list of all modifications from the previous version.
 424 More guidance may be found by referring to the Redline Version of the standard.

425 **Explanations:**

426 **A) Definitions**

427 **Minor and editorial changes**

428 clarification
 429 decrease of technical requirements
 430 minor technical change
 431 editorial corrections

<https://standards.iteh.ai/catalog/standards/sist/b7accd14-e934-4197-86ef-57741fc619da/osist-pren-60079-11-2021>

431

432 These are changes which modify requirements in an editorial or a minor technical way. They include
 433 changes of the wording to clarify technical requirements without any technical change, or a reduction
 434 in level of existing requirement.

435

436

437 **Extension**

addition of technical options

438

439 These are changes which add new or modify existing technical requirements, in a way that new
 440 options are given, but without increasing requirements for equipment that was fully compliant with the
 441 previous standard. Therefore, these will not have to be considered for products in conformity with the
 442 preceding edition.

443

444

445 **Major technical changes**

addition of technical requirements
 increase of technical requirements

446

447

448 These are changes to technical requirements (addition, increase of the level or removal) made in a
 449 way that a product in conformity with the preceding edition will not always be able to fulfil the

450 requirements given in the later edition. These changes have to be considered for products in
451 conformity with the preceding edition. For these changes additional information is provided in clause
452 B) below.

453

454 Note: These changes represent current technological knowledge. However, these changes should not
455 normally have an influence on equipment already placed on the market.

456 **B) Information about the background of 'Major Technical Changes' – To be completed**

457 A1 –

458 B1 –

459 C1 –

460 C2 –

461 C3 –

462 C4 –

463 C5 –

iTeh STANDARD PREVIEW

FDIS	Report on voting
31G/xxx/FDIS	31G/xxx/RVD

464

465 Full information on the voting for the approval of this standard can be found in the report on
466 voting indicated in the above table.

467 This standard supplements and modifies the general requirements of IEC 60079-0, except as
468 indicated in Table 1 (see Scope).

469 This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

470 A list of all parts of the IEC 60079 series, under the general title: *Explosive atmospheres*, can
471 be found on the IEC website.

472 The committee has decided that the contents of this publication will remain unchanged until the
473 stability date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to
474 the specific publication. At this date, the publication will be

- 475 • reconfirmed;
- 476 • withdrawn;
- 477 • replaced by a revised edition, or
- 478 • amended.

479

480

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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