



SLOVENSKI STANDARD
SIST EN 61954:2011/A2:2018
01-februar-2018

**Statični kompenzorji jalove energije (SVC) - Preskušanje tiristorskih elektronk -
Dopolnilo A2 (IEC 61954:2011/A2:2017)**

Static VAR compensators (SVC) - Testing of thyristor valves (IEC 61954:2011/A2:2017)

Statische Blindleistungskompensatoren (SVC) - Prüfung von Thyristorventilen (IEC
61954:2011/A2:2017)

Compensateurs statiques de puissance réactive (SVC) - Essais des valves à thyristors
(IEC 61954:2011/A2:2017)

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[SIST EN 61954:2011/A2:2018](https://standards.iteh.ai/catalog/standards/sist/b843692e-e69f-4578-9880-5407afa5c10c/sist-en-61954-2011-a2-2018)

Ta slovenski standard je istoveten z: EN 61954:2011/A2:2017

ICS:

| | | |
|-----------|--|---|
| 29.240.99 | Druga oprema v zvezi z omrežji za prenos in distribucijo električne energije | Other equipment related to power transmission and distribution networks |
| 31.080.20 | Tiristorji | Thyristors |

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en

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EUROPEAN STANDARD

EN 61954:2011/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2017

ICS 31.080.20; 29.240.99

English Version

**Static VAR compensators (SVC) - Testing of thyristor valves
(IEC 61954:2011/A2:2017)**

Compensateurs statiques de puissance réactive (SVC) -
Essais des valves à thyristors
(IEC 61954:2011/A2:2017)

Statische Blindleistungskompensatoren (SVC) - Prüfung
von Thyristorventilen
(IEC 61954:2011/A2:2017)

This amendment A2 modifies the European Standard EN 61954:2011; it was approved by CENELEC on 2017-05-17. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61954:2011/A2:2017**European foreword**

The text of document 22F/409/CDV, future IEC 61954:2011/A2, prepared by SC 22F “Power electronics for electrical transmission and distribution systems” of IEC/TC 22 “Power electronic systems and equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61954:2011/A2:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-02-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-05-17

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61954:2011/A2:2017 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Addition:

| <u>Publication</u> | <u>Year</u> | <u>Title</u> | <u>EN/HD</u> | <u>Year</u> |
|--------------------|-------------|--|--------------|-------------|
| IEC 60071-1 | 2006 | Insulation co-ordination -- Part 1: Definitions, principles and rules | EN 60071-1 | 2006 |
| + A1 | 2010 | | + A1 | 2010 |

Replace IEC 60700-1:2008 by:

| | | | | |
|-------------|------|--|------------|------|
| IEC 60700-1 | 2015 | Thyristor valves for high voltage direct current (HVDC) power transmission -- Part 1: Electrical testing | EN 60700-1 | 2015 |
|-------------|------|--|------------|------|

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IEC 61954

Edition 2.0 2017-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

Static var compensators (SVC) – Testing of thyristor valves

Compensateurs statiques de puissance réactive (SVC) – Essais des valves à thyristors

[SIST EN 61954:2011/A2:2018](https://standards.iteh.ai/catalog/standards/sist/b843692e-e69f-4578-9880-3407a1a5c16c/sist-en-61954-2011-a2-2018)

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INTERNATIONAL
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COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.240.99; 31.080.20

ISBN 978-2-8322-4168-4

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FOREWORD

This amendment has been prepared by subcommittee 22F: Power electronics for electrical transmission and distribution systems, of IEC technical committee 22: Power electronic systems and equipment.

The text of this amendment is based on the following documents:

| | |
|-------------|------------------|
| CDV | Report on voting |
| 22F/409/CDV | 22F/418A/RVC |

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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<https://standards.iteh.ai/catalog/standards/sist/b843692e-e69f-4578-9880-3407a1a5c16c/sist-en-61954-2011-a2-2018>

2 Normative references

Replace reference "IEC 60071-1:2006, Insulation co-ordination – Part 1: Definitions, principles and rules" by

"IEC 60071-1:2006, *Insulation co-ordination – Part 1: Definitions, principles and rules* IEC 60071-1:2006/AMD1:2010"

Replace, in the last reference, "IEC 60700-1:2008" by "IEC 60700-1:2015".

4.2.6 Optional tests

Replace, in the existing paragraph, the text "operational tests specified in 4.2.2" by "operational tests specified in 4.2.3".

4.4.1.1 Dielectric test objects

Delete, in the first paragraph, the last sentence.

4.5 Permissible component failures during type testing

Replace, in the third paragraph, the text "(see 4.4.1b) in IEC 60700-1, Amendment 1)" by "(see 4.4.2 b) in IEC 60700-1:2015)".

Table 2 – Number of thyristor levels permitted to fail during type tests

Replace, in the third row of the first column, " $34 < n < 68$ " by " $34 \leq n < 68$ ".

Replace, in the fourth row of the first column, " $68 < n < 101$ " by " $68 \leq n < 101$ ".

5.1.2.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

5.1.3.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

5.2.2.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

5.2.3.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

5.3.2.1 Objectives

Replace "See 4.2.2.2" by "See 4.2.2.3".

5.3.3.1 Objectives

Replace "See 4.2.2.2" by "See 4.2.2.3".

6.1.2.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

6.1.3.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

6.2.2.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

6.2.3.1 Objectives

Replace "See 4.2.2.1" by "See 4.2.2.2".

6.3.2.1 Objectives

Replace "See 4.2.2.2" by "See 4.2.2.3".

6.3.3.1 Objectives

Replace "See 4.2.2.2" by "See 4.2.2.3".

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