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# Udstyr til lysbuesvejsning – Del 1: Svejsestrømkilder

Arc welding equipment – Part 1: Welding power sources

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**IDT med: IEC 60974-1:2017/AMD1:2019**

**IDT med: EN IEC 60974-1:2018/A1:2019**

**DS-publikationen er på engelsk.**

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## EUROPÄISCHE NORM

April 2019

ICS 25.160

English Version

**Arc welding equipment - Part 1: Welding power sources  
(IEC 60974-1:2017/A1:2019)**

Matériel de soudage à l'arc - Partie 1: Sources de courant  
de soudage  
(IEC 60974-1:2017/A1:2019)

Lichtbogenschweißrichtungen - Teil 1:  
Schweißstromquellen  
(IEC 60974-1:2017/A1:2019)

This amendment A1 modifies the European Standard EN IEC 60974-1:2018; it was approved by CENELEC on 2019-02-15. 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.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

The text of document 26/653/CDV, future edition 5 of IEC 60974-1:2017/A1, prepared by IEC/TC 26 "Electric welding" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60974-1:2018/A1:2019.

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) 2019-11-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-02-15

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.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

## Endorsement notice

The text of the International Standard IEC 60974-1:2017/A1:2019 was approved by CENELEC as a European Standard without any modification.

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(informative)

## Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

**Table ZZ.1 — Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]**

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1(a)	Clauses 10.4, 15, 17.1, 17.2, O.15, O.17.1 O.17.2	
1(b)	Clause 17.1 Annex O.17.1	
1(c)	Clauses 1, 3, 4 Annex O.4 see also points 2 and 3 below	Testing during periodic maintenance or after repair is covered in separate standards
2(a)	Clauses 6.1, 6.2, 6.3, 10, 11.1, 11.4, 11.5, 11.6, 11.7, 12, 13 Annexes O.6.1, O.6.2, O.10	
2(b)	Clauses 7.3.1, 7.3.2, 7.3.3	Hazards arising from electric, magnetic, and electromagnetic fields, other ionizing and non-ionizing radiation are covered in separate standards
2(c)	Clauses 6.2.1, 6.2.2, 9.1, 10.5.2, 14 Annexes O.9.1, O.14, O.9.201, O.9.203, O.9.204, O.9.205	
2(d)	Clauses 6.1, 7.3.1 Annex O.6.1	
3(a)	Clause 14	

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3(b)	Clauses 4, 6.2.1, 10.9, 14.2.1, 17.1 r)	Functional safety is covered in separate standards Safety-related security is covered in separate standards
3(c)	Clause 9 Annex O.9	

**WARNING 1** — Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

**WARNING 2** — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Arc welding equipment –  
Part 1: Welding power sources**

**Matériel de soudage à l'arc –  
Partie 1: Sources de courant de soudage**



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## FOREWORD

This amendment has been prepared by IEC technical committee 26: Electric welding.

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

CDV	Report on voting
26/653/CDV	26/669/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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## 5 Tests

### 5.3 Conformity of components

*Replace the existing text by the following new sentence:*

Refer to Annex P for conformity of components.

*Add, after the existing Annex O, the following new Annex P:*