SLOVENSKI STANDARD
SIST EN IEC 60974-10:2022/oprA1:2025

01-februar-2025

Oprema za obločno varjenje - 10. del: Zahteve za elektromagnetno združljivost (EMC) - Dopolnilo A1

Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements

Lichtbogenschweißeinrichtungen - Teil 10: Anforderungen an die elektromagnetische Verträglichkeit (EMV)

Matériel de soudage à l'arc - Partie 10: Exigences de compatibilité électromagnétique (CEM)

Ta slovenski standard je istoveten z: **EN IEC 60974-10:2021/prA1:2024**

ICS:

25.160.30	Varilna oprema	Welding equipment
33.100.01	Elektromagnetna združljivost na splošno	Electromagnetic compatibility in general

SIST EN IEC 60974-10:2022/oprA1:2025 **en**

26/766/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER: **IEC 60974-10/AMD1 ED4**	
DATE OF CIRCULATION: **2024-12-13**	CLOSING DATE FOR VOTING: **2025-03-07**
SUPERSEDES DOCUMENTS: **26/755/CD, 26/762A/CC**	

IEC TC 26 : ELECTRIC WELDING	
SECRETARIAT: Austria	SECRETARY: Mr Josef Feichtinger
OF INTEREST TO THE FOLLOWING COMMITTEES: TC 77,CIS/B	HORIZONTAL FUNCTION(S):
ASPECTS CONCERNED: Electromagnetic Compatibility	
☒ 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.

Recipients of this document are invited to submit, with their comments, notification of any relevant “In Some Countries” clauses to be included should this proposal proceed. Recipients are reminded that the CDV stage is the final stage for submitting ISC clauses. (SEE AC/22/2007 OR NEW GUIDANCE DOC).

TITLE:

Amendment 1 - Arc welding equipment - Part 10: Electromagnetic compatibility (EMC) requirements

PROPOSED STABILITY DATE: 2028

NOTE FROM TC/SC OFFICERS:

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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Arc welding equipment –

Part 10: Electromagnetic compatibility (EMC) requirements

AMENDMENT 1

FOREWORD

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Amendment 1 to IEC 60974-10:2020 has been prepared by IEC technical committee TC 26: Electric welding.

This amendment includes the following significant technical changes with respect to the previous edition:

a) Alignment with the 7th edition of CISPR11

b) Clarification of requirements for portable equipment

c) more precise references to standards

d) Transformation of Clause 8, Documentation for the purchaser/user, into an informative annex

58 The text of this Amendment is based on the following documents:

Draft	Report on voting
XX/XX/XXXX	XX/XX/XXX

59
60 Full information on the voting for its approval can be found in the report on voting indicated in
61 the above table.

62 The language used for the development of this Amendment is English.

63 This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in
64 accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement,
65 available at www.iec.ch/members_experts/refdocs. The main document types developed by
66 IEC are described in greater detail at www.iec.ch/publications/.

67 The committee has decided that the contents of this document will remain unchanged until the
68 stability date indicated on the IEC website under webstore.iec.ch in the data related to the
69 specific document. At this date, the document will be

70 • reconfirmed,
71 • withdrawn, or
72 • revised.

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INTRODUCTION

ARC WELDING EQUIPMENT

Part 10: Electromagnetic compatibility (EMC) requirements

1 Scope

Replace the 2nd and 3rd paragraphs with:

Arc welding equipment which incorporates radio transmit/receive functions (host equipment with radio functionality) is included in the scope of this document, see Annex E. However, the emission requirements in this document are not intended to be applicable to the intentional transmissions from a radio transmitter as defined by the ITU including their spurious emissions.

NOTE 1 This exclusion only applies to emissions from the intentional radio transmitter. However, combination emissions, for example emissions resulting from intermodulation between the radio and the non-radio subassemblies of the ISM equipment, are not subject to this exclusion.

2 Normative references

Insert after the reference to CISPR 11:2015:

CISPR 11:202X, Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement

3 Terms and definitions

3.8

Replace contents of this clause:

portable, adj
capable to be carried by one person

Note 1 to entry: Portability is typically specified by the equipment manufacturer based on the intended use and the equipment design.

[SOURCE: IEC 60050-151:2001, 151-16-47, modified – The note to entry has been entirely redrafted.]

Insert at the end of this clause:

3.12
equipment with radio functionality
non-radio equipment (host equipment) including one or more radio devices or radio modules that can use host control function(s) and/or power supply

Note 1 to entry: The use of the included radio equipment can be for remote control (of the host equipment by an external equipment or vice versa) or for data exchange with external equipment.

Note 2 to entry: A radio device or radio module can be plugged-in, built-in or external.

[SOURCE: CISPR 11:2024, 3.1.14]

3.13
radio device
assembly consisting of one or more radio transmitters and/or receivers, capable to function on a stand-alone basis with or without additional accessories