

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

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

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



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FOREWORD

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

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

CDV	Report on voting
26/549/CDV	26/560/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- withdrawn,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.

5.1 General

Add, after the existing first paragraph of this subclause, the following new paragraph:

For the measurement of the output current ripple, there are no specific requirements for the equipment configuration.

5.2 Load

Add, after the existing first paragraph of this subclause, the following new paragraph:

For the measurement of the output current ripple, the inductance of the load including welding cables at the fundamental frequency shall be less than 10 μH per 100 $\text{m}\Omega$ total resistance.

6.2.1.1 Test conditions for RF emission tests

Replace the existing items a) and b) of the list by the following new items:

- a) at rated minimum welding current;
- b) at rated welding current at 100 % duty cycle. If no rated current is specified for 100 % duty cycle, the test shall be carried out at 50 % of $I_{2\text{max}}$.

Add, at the end of the existing 6.2.1.3, the following new subclause:

6.2.1.4 Test conditions for output current ripple

The welding power source shall be tested at the conventional load voltages referenced in 6.2.2 at rated welding current at 100 % duty cycle. If no rated current is specified for 100 % duty cycle, the test shall be carried out at 50 % of $I_{2\text{max}}$.