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AMENDMENT 1
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Amendment 1

**Household and similar electrical appliances –
Safety –**

**Part 2-3:
Particular requirements for electric irons**

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FOREWORD

This amendment has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

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

FDIS	Report on voting
61/2740/FDIS	61/2798/RVD

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 maintenance result date indicated on the IEC web site 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- withdrawn,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.

A bilingual version of this amendment may be issued at a later date.

INTRODUCTION

Replace the second sentence of the second paragraph by the following:

It also covers abnormal situations that can be expected in practice and takes into account the way in which electromagnetic phenomena can affect the safe operation of appliances.

5 General conditions for the tests

5.2 *Add the following as a first sentence to Note 102:*

The test of 21.102 is carried out on a separate appliance.

7 Marking and instructions

7.12 *Add the following dashed items:*

- the iron must be used and rested on a stable surface;
- when placing the iron on its stand, ensure that the surface on which the stand is placed is stable;
- the iron is not to be used if it has been dropped, if there are visible signs of damage or if it is leaking.

11 Heating

11.8 Replace the text of the modification by the following:

Except for **supply cords** connected to separate containers, the temperature rise limit for the insulation of wiring and **supply cords** is increased from 50 K to 60 K.

21 Mechanical strength

Replace the addition by the following:

21.1 Addition:

Compliance is also checked by the tests of 21.101 and 21.102.

Add the following new subclause:

21.102 A separate sample of the iron is supplied at **rated voltage** with the **thermostat** set to the highest position. When the **thermostat** operates, the iron is disconnected from the supply.

The iron is then placed in a sling that is constructed by tying together the four corners of a single layer of cheesecloth. The lowest point of the sling is suspended at a height of 900 mm above a horizontal hardwood board approximately 20 mm thick placed on a concrete or similar hard surface.

The iron in the sling is dropped from a stationary position. The test is carried out three times, the iron being positioned so that it falls onto the board first on the right side, then on the left side and subsequently on its heel. The iron is reheated prior to each drop.

After the test, the iron shall withstand the electric strength test of 16.3, steam irons first being filled with water as specified in the instructions and allowed to rest for 10 min on their **stands**.

The iron shall not be damaged to such an extent that compliance with 8.1 and 19.4 is impaired.

NOTE This test is only applicable to hand-held parts of the iron.

22 Construction

22.7 Replace the second paragraph of the test specification by the following:

For **pressurized steam irons**, the maximum pressure occurring during the test of Clause 11 with the boiler filled but without steam emission, is measured. All pressure-regulating devices that operated during the test are rendered inoperative and the pressure shall not exceed three times the previously measured value. Any pressure-limiting **protective device** is then rendered inoperative and the pressure in the boiler is raised hydraulically to five times the pressure measured originally or twice the pressure measured with the pressure-regulating devices rendered inoperative, whichever is higher. This pressure is maintained for 1 min. There shall be no leakage from the appliance.

Replace the last sentence of the fourth paragraph of the test specification by the following:

There shall be no leakage from the appliance.

22.104 Replace “3 mm” by “4 mm”.