

INTERNATIONAL STANDARD

IEC 60215

1987

AMENDMENT 2
1993-05

incorporating amendment 1 (1989)

Amendment 2

Safety requirements for radio transmitting equipment

*This **English-language** version is derived from the original **bilingual** publication by leaving out all French-language pages. Missing page numbers correspond to the French-language pages.*

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

PRICE CODE

C

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FOREWORD

This amendment has been prepared by sub-committee 12C: Transmitting equipment, of IEC technical committee 12: Radiocommunications.

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

Amendments	DIS	Reports on Voting
2	12C(CO)222	12C(CO)226
1	12C(CO)213	12C(CO)217

Full information on the voting for the approval of these amendments can be found in the reports on voting indicated in the above table.

The text of Amendment 2 can be distinguished by a vertical line in the margin.

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12.1 Safety earth terminal

Between the end of subclause c) and the words "Safety earth terminals...", add the following new subclause d):

d) *Misuse of safety terminals and contacts*

Safety earth terminals and safety earth contacts shall not be used for any other purpose.

12.2 Safety earth connections

Replace existing paragraph a) with the following:

Means used for assembling the various metal parts of an enclosure are considered sufficient for ensuring continuity of earthing if the precautions taken guarantee permanent good conductivity and a suitably low impedance to the safety earth, so that accessible parts are electrically safe, both under normal conditions of use and under fault conditions.

For cover plates, unequipped panels, other protective covers, etc., the usual metal screwed connections are considered sufficient to ensure continuity, provided that no electrical equipment is attached to them. If electrical parts are attached to such items, then separate conductors providing a suitably low impedance shall be used.

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E7. Working on live circuits

Replace the text by the following:

Work on live circuits with voltages exceeding the limits laid down in subclause 3.2 b), or work in proximity to such circuits shall be restricted to a minimum. Such work *may be performed only if the following conditions are met:*

- the work shall be carried out by an authorized person skilled in electrical engineering watched by at least one other person who has been instructed and is able to switch off the voltage without delay and, moreover, has been trained to render first aid by means of artificial respiration and cardiac massage;
- there should be no possibility of hazardous ionizing or non-ionizing radiation;
- the work shall be performed in such a manner that there is no danger from arcing or currents flowing through the body;
- suitable equipment, test facilities and tools shall be used for the work to be carried out safely;
- suitable measures shall be taken to indicate the areas of danger;
- the work shall be performed only for compelling reasons, because, for example, in the absence of live voltages it would be impossible to do the work or to localize a fault.

NOTE - In some countries more stringent rules and/or regulations may apply.

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