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Safety of household and similar electrical appliances –

Part 2-82: Particular requirements for service machines and amusement machines

*Sécurité des appareils électrodomestiques
et analogues –*

*Partie 2-82:
Règles particulières pour les machines de service
et les machines de divertissement*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES –
Part 2-82: Particular requirements for service machines
and amusement machines**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.
- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

This part of International Standard IEC 60335 has been prepared by IEC technical committee 61: Safety of household and similar electrical appliances.

It forms the first edition of IEC 60335-2-82.

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

FDIS	Report on voting
61/1652/FDIS	61/1748/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This part 2 is to be used in conjunction with the latest edition of IEC 60335-1 and its amendments. It was established on the basis of the third edition (1991) of that standard.

This part 2 supplements or modifies the corresponding clauses in IEC 60335-1, so as to convert it into the IEC standard: Safety requirements for electric service machines and amusement machines.

When a particular subclause of part 1 is not mentioned in this part 2, that subclause applies as far as is reasonable. When this standard states "addition", "modification" or "replacement", the relevant text in part 1 is to be adapted accordingly.

NOTE 1 – The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

Words in **bold** in the text are defined in clause 2. When a definition of part 1 concerns an adjective, the adjective and the associated noun are also in bold.

NOTE 2 – Subclauses and figures which are additional to those in part 1 are numbered starting from 101.

The following additional differences exist in some countries:

- Clause 1: Gaming machines have to comply with IEC 60950 (South Africa).
- 6.1: Class 0 is allowed for appliances having a rated voltage not exceeding 150 V (Japan and USA).
- 6.1: Class 0I is allowed (Japan).
- 19.101: The fault condition with the contactor locked in the on-position is not applied (USA).
- 20.1: The test is different (USA).
- Clause 21: The impact energy is different (USA).
- 25.7: Lighter supply cords are allowed (USA).
- 25.7: The requirements for supply cords are different. Additional protection of the supply cord is required (Australia).

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

SAFETY OF HOUSEHOLD AND SIMILAR ELECTRICAL APPLIANCES – Part 2-82: Particular requirements for service machines and amusement machines

1 Scope

This clause of part 1 is replaced by:

This standard deals with the safety of electric personal service machines and amusement machines for commercial use, their **rated voltage** being not more than 250 V for single-phase appliances and 480 V for other appliances.

NOTE 1 – Examples of appliances which are within the scope of this standard

a) are personal service machines:

- shoe shining appliances;
- personal weighing machines;
- luggage lockers;
- currency dispensers;
- card re-value machines;

b) amusement machines:

- gaming machines;
- pinball machines;
- laser shooting appliances;
- dartboards;
- bowling machines;
- billiard tables;
- video games;
- kiddie rides;
- driving simulators.

NOTE 2 – If an appliance incorporates a part which is within the scope of IEC 60065 or IEC 60950, the part has to comply with the relevant standard.

So far as is practicable, this standard deals with the common hazards presented by appliances which are encountered by users and **maintenance persons**.

NOTE 3 – Attention is drawn to the fact that

- for appliances intended to be used in vehicles or on board ships or aircraft, additional requirements may be necessary,
- for appliances intended to be used in tropical countries, special requirements may be necessary,
- in many countries additional requirements are specified by the national authorities responsible for health, for the protection of labour and similar authorities.

NOTE 4 – This standard does not apply to

- appliances intended exclusively for household use,
- appliances intended exclusively for industrial purposes,
- appliances intended to be used in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas),
- appliances for washing cars,
- dispensing appliances and vending machines (IEC 60335-2-75),
- appliances within the scope of IEC 60065, such as jukeboxes and household video games,
- appliances within the scope of IEC 60950, such as copying machines, ticket machines and automatic teller machines,
- appliances intended to be used when a trained attendant is present, such as a virtual reality system,
- equipment intended exclusively for fairgrounds, such as carousels.