

## SCHEDULE 1

Regulation 2

### Principal elements of the safety objectives for electrical equipment designed for use within certain voltage limits

1. General conditions
  - (a) The essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, must be marked on the electrical equipment or, if this is not possible, on an accompanying document.
  - (b) The electrical equipment, together with its component parts, must be made in such a way as to ensure that it can be safely and properly assembled and connected.
  - (c) The electrical equipment must be so designed and manufactured as to ensure that protection against the hazards set out in paragraphs 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.
2. Protection against hazards arising from the electrical equipment
  - (a) Persons and domestic animals must be adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact.
  - (b) Temperatures, arcs or radiation which would cause a danger, must not be produced.
  - (c) Persons, domestic animals and property must be adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience.
  - (d) The insulation must be suitable for foreseeable conditions.
3. Protection against hazards which may be caused by external influences on the electrical equipment
  - (a) The electrical equipment must meet the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered.
  - (b) The electrical equipment must be resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered.
  - (c) In foreseeable conditions of overload the electrical equipment must not endanger persons, domestic animals and property.