

ENV 50166-1:1995**Human exposure to electromagnetic fields - Part 1: Low frequency (0 kHz to 10 kHz)**

Deals with the prevention of adverse short-term effects of human exposure to static and low-frequency electric and magnetic fields in the frequency range from 0 to 10 kHz. In this region of the electromagnetic spectrum, the electric and magnetic fields must be considered separately. The rationale is set out in Annex A. This Prestandard does not apply to the deliberate exposure of persons to electric or magnetic fields during medical research, diagnosis or treatment. Safety hazards which may be associated with the ignition of flammable materials or the triggering of explosive devices in strong fields are not covered. Compliance with this Prestandard may not exclude interference with or effects on some examples of implants such as cardiac pacemakers. It is recognized that it will not always be possible to comply with the provisions of this standard under exceptional operating conditions, such as momentary short-circuit or fault currents, inherent in the technology of electrical equipment.