

SCHEDULE

PART 3

Indirect effects of exposure

Action levels – non-thermal effects

Table AL5 – ALs for contact currents

<i>Frequency of electromagnetic field in which an object is present</i>	<i>Contact current ALs (I_C) [mA]</i>
up to 2.5 kHz	1.0
$2.5 \leq f < 100$ kHz	0.4 f
$100 \leq f \leq 10,000$ kHz	40

Notes

1. “f” is the frequency expressed in kHz.
2. The ALs are root mean square values.
3. The ALs represent the maximum steady state current created during a continuous contact with an object in an electromagnetic field.

Table AL6 – ALs for static magnetic fields

<i>Potential indirect effect</i>	<i>Magnetic flux density ALs (B₀) [mT]</i>
Interference with active implanted medical devices	0.5
Attraction and projectile risk in the fringe field of high field strength sources (> 100 mT)	3

Note

The AL for interference with active implanted medical devices represents the maximum field value at any place where an employee may be working.

Action levels – thermal effects

Table AL7 – AL for contact currents

<i>Frequency of electromagnetic field in which an object is present</i>	<i>Contact current AL (I_C) [mA]</i>
$100 \text{ kHz} \leq f < 110 \text{ MHz}$	40

Notes

1. The AL is a root mean square value.

Status: *This is the original version (as it was originally made). This item of legislation is currently only available in its original format.*

2. The AL represents the maximum steady state current created during a continuous contact with an object in an electromagnetic field.