

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 (B_0) [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Status: This is the original version (as it was originally made).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.