



ICAR

REC L 0006 E

International Commission for Alpine Rescue

Commission for Avalanche Rescue

**Recommendation REC L 0006 of the Commission Avalanche Rescue
of October 14, 2006**

Regarding official test period for new search systems in the field

The Commission for Avalanche Rescue of the International Commission for Alpine Rescue has adopted the following recommendation:

ICAR-CISA-IKAR recommends to manufacturers not to involve official rescue teams or other institutions for testing new search systems before the following requirements are satisfied:

“PROTOTYPE Start - guidelines for new search systems for the search of avalanche victims buried without transponder or transceiver” (test period for new search systems in the field)

- Weight less than 12 kg (later in use less than 6 kg)
- Size backpack-compatible
- Independent operating time 5 hours (at minus 20° C)
- Usable from helicopter and/or terrestrial Speed: 100 m²/min
- Snow density from 100 kg/m³ until 600 kg/m³
- Snow humidity from dry to wet snow 0 % to 4% free water
- Air temperature from plus 25° C to minus 30° C
- Air humidity from 0 % to 100 %
- Dust- and waterproof in conformance with IP65
- Minimum range in air and in snow cover 20 m
- People alive and deceased plus 37° C to minus 10° C
- Different signals for e.g. stones, rock, wood and for bodies
- At least one measurement per second
- At least 1 visual or acoustic result/signal available per second
- No radiation dangerous to buried victims, rescuers and search team
- Handling without (electronic) engineering knowledge
- Handling with (winter-)gloves must be possible
- Screen readable in sunshine
- Compatible with the applicable European Standards.

Agreed upon in Kranjska Gora, Slovenia on October 14, 2006.

The Commission for Avalanche Rescue of ICAR:

The President
Hans-Jürg Etter