



IKAR Kommission Lawinenrettung  
ICAR Avalanche Rescue Commission  
CISA Commission Sauvetage Avalanche



#### Field Day, September 23, 2009; Abstract of Presentations

**Interface extrication/medical care:** 1. Brief instruction on shoveling technique as repetition  
2. Extrication of victim, assessment of the following criteria: responsiveness, shivering, circulation, presence of air pocket yes/no, body temperature, and burial duration. First Aid and initial rescue activities. Important: Protect against cold/wind. *Presentation: Manuel Genswein and Bruno Durrer*

**Pulse Barryvox transceiver:** New features: basic and advanced options in one device, better all-round sensitivity, easier operation. Compatible with older devices with regard to signal reception. *Presentation: Mammut*

**ABS wireless activation:** New feature: Carbon cartridge with 50% weight reduction, Remote triggering within group via radio frequency, programmable triggering for individual ABS-airbags/people. *Presentation: ABS Peter Aschauer GmbH.*

**Snowpulse airbag:** Model that is carried over the shoulders and neck. Uses refillable compressed air cartridge and pull handle. 3 sizes. Skiing and mobility with deployed airbag are demonstrated. *Presentation: Snowpulse*

**Avalanche probe:** Steel with special alloy, powder-coated, new connection (pinned), directionally stable. The probe is especially suitable for highly compacted, hard avalanche snow. *Presentation: Kaufmann Maschinenbau, A-6870 Reuthe im Bregenzerwald.*

**Search technology:** The transmitter can be built into different shapes/containers, e.g. a ski pass. The system can be used over longer ranges with pinpoint precision. Ultimately the technology should be available ubiquitously (e.g. by ski patrol). Current status: Handy detector, cell phone sized transmitter (prototypes). *Presentation: Lambda4*

**Crevasse rescue:** Jelk-Tripod, extendable up to 2.5m and deployable from one side of a crevasse. Use of battery-powered drill and drill hammer with compressor. *Presentation: Rettungsstation Zermatt*

**Ortovox transceivers:** Demo of 4th generation transceivers with different transmitters. Among others, the newest 3-antenna device "Ortovox S1 Scanner". *Presentation: Ortovox*

**Nic Impex transceivers:** Demo of 3 different models: Evo3, 3axes, Link (prototype). *Presentation: Nic Impex*

**Tracker 3 transceiver:** Further development of Tracker DTS. Easier operation, 3 antennas, very responsive while pinpointing. *Presentation: BCA*

**Hepkie:** Search system that detects cell phones, designed for helicopter or terrestrial use. Location based on number or within entire areas, consists of base unit and detector. System is currently still under development.

**Pieps Safety System:** The system consists of the PIEPS DSP transceiver and the electronic PIEPS iPROBE probe pole. After pinpointing and confirming the hit with electronic probe, the display on the "PIEPS DSP" automatically switches to the next strongest signal.

*Presentation: Pieps*

Notes: R. Bissig /H.-J. Etter

Translation: C. Utzinger