

Background

Canadian and US influence:

- **1976: Perla, Martinelli: Open-spaced technique**
- **1993: McClung, Shaerer: Variations, same issue**
- **1996: Auger, Jamieson: ISSW Banff (“Avalanche Probing Revisited” 1996)**
- **1997: Atkins, further introduction of Auger and Jamiesons article to IKAR**
- **1998: Lunde, Kristensen: Introduced to Norwegian Red Cross; subsequent testing**
- **1999: 3-hole-per-step probing approved as the standard method for coarse probing in the Norwegian Red Cross**
- **2008: Standard method in Norway, for all rescue organisations (National Standard)**

Rationale

- Probing – a life saving measure, not solely body recovery
- Speed vs Accuracy
- “All hands on deck” – No “on-lookers”
- Maximum amount of holes in the snow per unit time
- Repeated probing in the primary search area

Description of Method

- Fingertip to fingertip distance between probers
- 3 holes per step – one front and one to each side
- Probes straight down
- 2 meter depth
- 5-man probe line – guided by left prober
- 50x70 cm grid (per person)
- Marking every 4 steps (approx.)

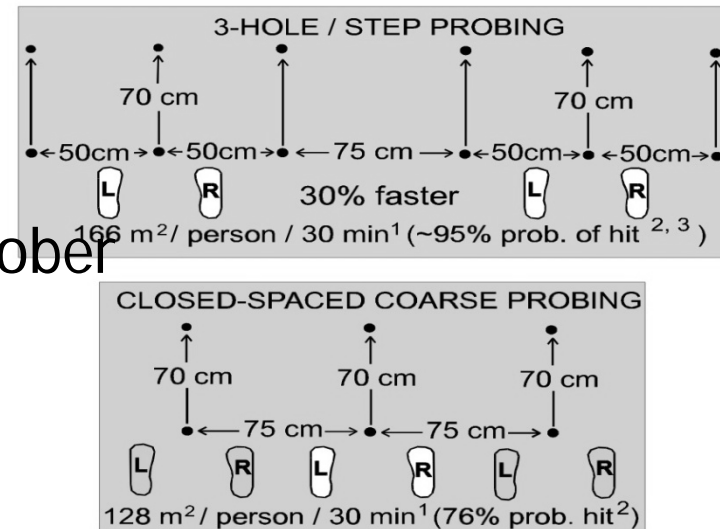


Figure 3 Comparison of 3-hole-per-step probing and open-spaced probing showing position of holes in snow surface relative to prober's feet. Based in trials on compacted snow. (From "Avalanche Probing Revisited" 10)

3 PROBING STRATEGIES

- One hole by step – the “quick method”
- Fine search probing
- Two holes by step



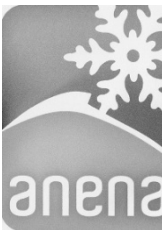
ONE HOLE PROBING Procedure

Goal is to find buried subjects alive

Select most probable areas

Max. 15 probers + 1 shoveler + 1 leader

Probes (iron, stainless), red flags



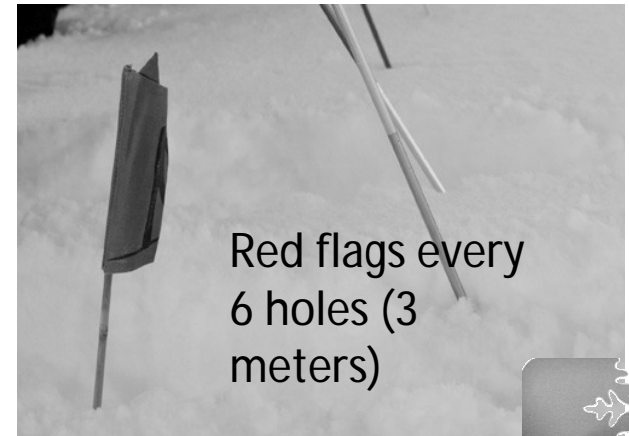
ONE HOLE PROBING Procedure

- Shoulder against shoulder
- Probe vertical between feet
- Probing 2 meters deep



ONE HOLE PROBING Procedure

- Probe vertical, 2m deep
- When done, point probe 50 cm ahead on the surface and wait for command
- Team Leader says “move forward”
- Everybody steps forward and probes



ONE HOLE PROBING Procedure

- Someone has a hit : leave the probe in, take a new probe and proceed in the probe line. Shovelers verifying the find.
- In case of a secondary avalanche alarm, leave probes in the snow and run away towards the escape route (green flags)

