Swiss Rescue Communication
Specialized Telecom Group of SHA

- About 20 members
- Members are all Amateur Radio Operators
- Specialists in Computer and Computer Networks
- Have skills on HF and VHF
- Are trained and prepared for the field
- Not only Swiss Rescue missions
Topics of presentation:

- Task of SHA Telecom group
- Base of Operation (BoO)
- VHF nets
- Frequencies used
- Future
Task of SHA Telecom group

Always to grant adequate communication to all involved persons

1. Previous to flight
2. During flight
3. On the way to the Base of Operation (BoO)
4. At the Base of Operation (BoO) – during operation
Base of Operation (BoO)

- Telephone (SAT)
- Internet (SAT)
- Electricity
- GPS
- Photos and data
- If all fails – HF Radio
VHF nets at the field

- Command net (through repeater) **GREEN label**
  connect all heads, chiefs and support

- Onsite net (simplex) **BLUE label**
  local use only
Command net without repeater
Command net after installation of repeater
On site activities
On site net

connection to command net
Motorola GP340 (modified for SHA use)
VHF Frequencies used

Exclusive 2m Amateur-frequencies (144.025 – 145.775 MHz) are used during operation!

Reasons for:

- No interference with safety networks
- No interference with other networks
- Ready to use preprogrammed radios provided
VHF Amateur frequencies

Prevention to minimize QRM on exclusive Amateur -
frequencies

1. Group members are Amateurs as well
2. Operations will be announced by Telecom Group on
   the band should QRM occur
3. Whenever possible local Amateurs will be informed of
   operation
4. Good training of users grant strict communication
Future

- Constant evaluation of the market
- GPS tracking of individuals
- Internet access for leaders by tablet computers
- New repeater (already digital modes provided)
- Amateur Radio Operators
You want to become a member of the Specialized Telecom Group of SHA?

www.skh.ch
Thank you for your attention

Questions?