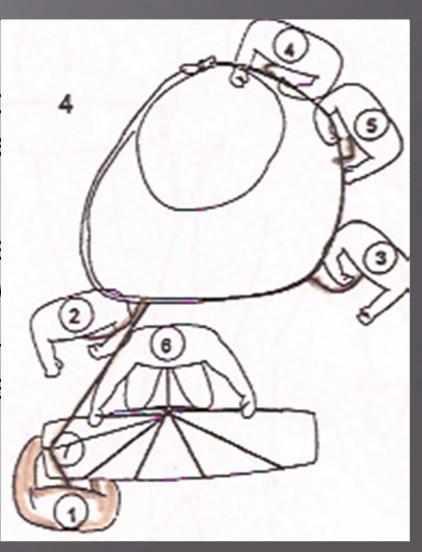








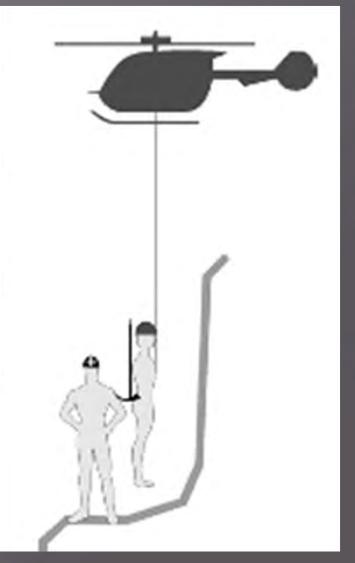
- 1997 / Hoist / exercice,
- 6 rescuers and one pat secured by one 8mm safe
- 1 rescuer and the patient
- The helicopter being not expatient, the stretcher move the other rescuers got cau
- No communication occurs continued to pull up,
- The safety line finally bro and sustain fatalities.







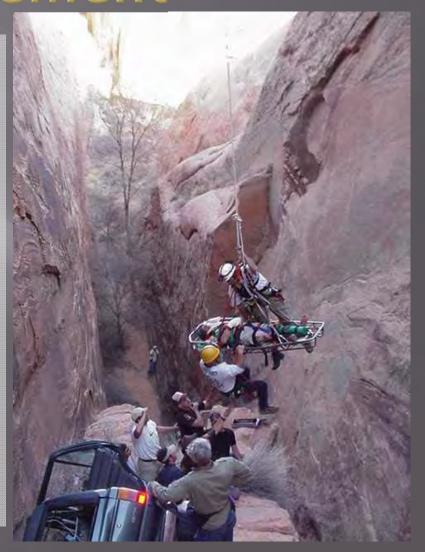
- 2001 / Fixed rope / mission,
- The friend of the patient we every thing was all right caught in the harness of rescuer did not see or fee friend flew attached only by
- 4 persons are on the hoc planned.





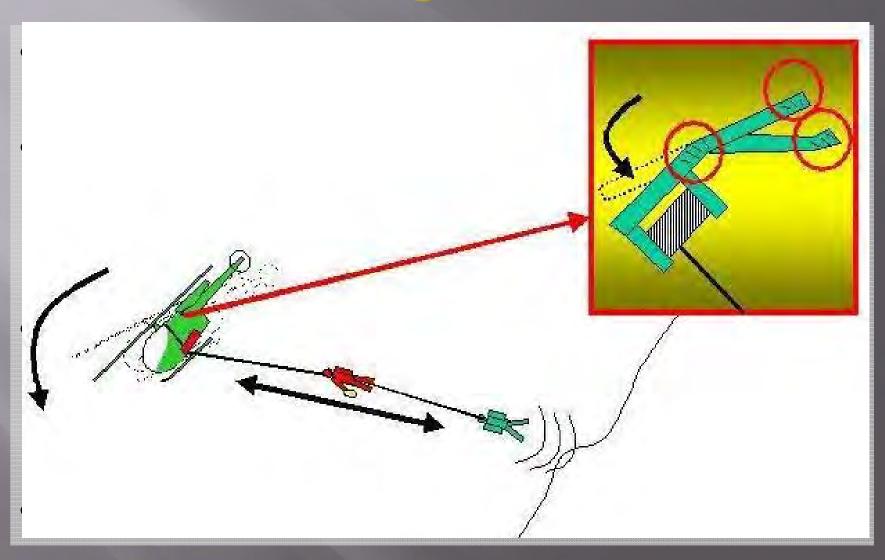


- 2002 / Fixed rope / mission,
- A rescuer got caught by a loose strap. He managed to secure imself on the hook,
- No communication,
- Overtorque of the aircraft.
- Photos Brett Sutteer Grand County EMS



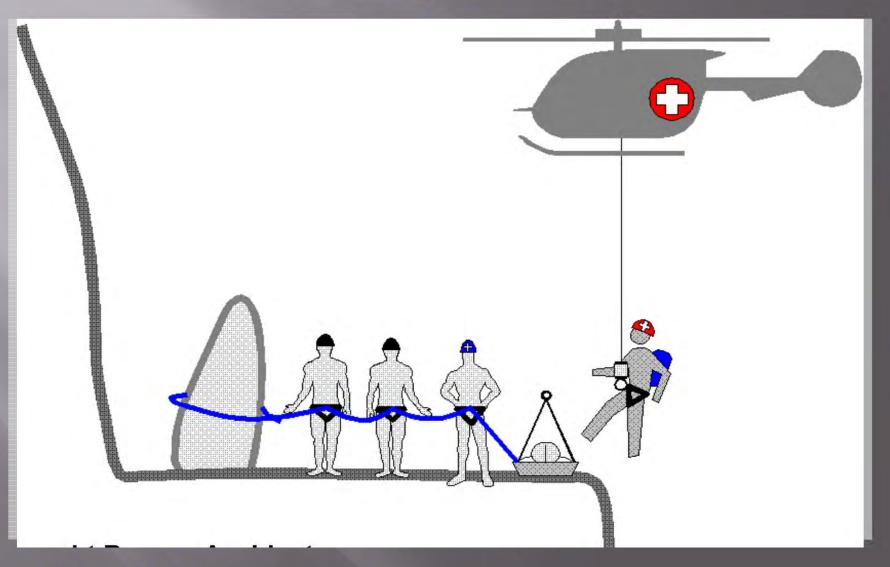




















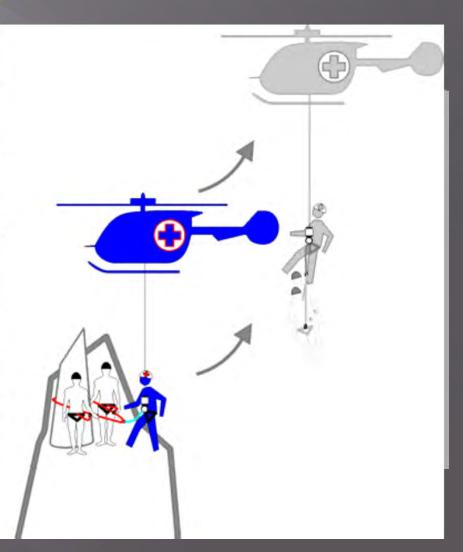


- 2005 / Fixed rope / mission,
- Evacuation at high altitude / one person not injured,
- No communication,
- The person could hook himself on the line but could not remove the safety ice screw,
- Crew had to pull out due to performance and fortunately the screw let go,
- Climber fly up to the helicopter skid (dynamic rope).





- 2005 / Hoist / mission,
- Rescuer was hoisted d
- Rescuer secured hims the 2 persons,
- Pilot experienced high plus the 2 climbers w fortunately came off the







- 2006 / Hoist / exercice,
- The hoist cable get entangled on the boat,
- The cable broke and the rescuer fall on the ground (10 meters),
- The cable hit also the hoist operator in the cabin.









- 2010 / Hoist
- Extraction o
- During the carabiners became cor
- The hoist of the rescuer belay line.







- 2011 / Hoist / mission,
- The hoist operation was on t near the forecastle mast,
- The pilot lost sight of the sh drifted back towards a management
  forecastle,
- The pilot was unable to re-es the cable became fouled,
- The cable failed and the 2 deck.









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- 2012 / Fixed rope / mission,
- While evacuating a chairlift the bubble door of the pilot got fogged and iced due to the freezing (-25°) outside temperature,
- The pilot loss references and pulled the rescuer up,
- The rescuer was already secured on the chair,
- Thanks to proper radio communication the rescuer could advice the pilot and he was able to correct the situation.





Two more incidents:

Hoist extraction

Evacuation gondola





- Some thoughts,
- Communication is paramount,
- If possible take care not to have too many persons at the belay,
- If possible separate belay for rescuer and patient,
- If possible use other strope colour for the belay of the rescuer and the patient,
- Always have a cutting device ready,





#### CISA



- •ICAR REC A 011-2003/2009 E
- •International Commission for Alpine Rescue
- Air Rescue Commission
- •
- •Recommendation REC A 011-2003/2009 E of the Air Rescue Commission
- •of the 25 September 2009
- •about the Human External Cargo (HEC) Safety Checks
- •A safety check should be performed prior to the extraction of HEC. The aim of the safety check is to prevent entanglement by ensuring that the rigging and equipment has been checked and that the load is clear of obstructions. Once the pilot is satisfied that the check is complete, he is clear to depart the scene.
- Done at Coylumbridge, Scotland on October 4, 2009.
- •The president Gilbert Habringer
- Intégrée dans la "SOP HEC" d'Air Glaciers

