**Preamble**

It is important to the waiver process that we have the hazards of a trip clearly listed as people signup for club events. Below we have put together a example list of the most common hazards on ACC events, but there are a few things to keep in mind!

* The important part of this is listing the **hazards,** the hazard mitigation section is NOT REQUIRED
* The Hazard mitigations below assume the course is being guided by an ACMG guide, but that can be customized to your offering if desired.

Sample Hazard Mitigation’s for groups with no guides.

* Morning Group Safety Briefing
* Emergency Response Plans
* Reviewing Belay or Crevasse Rescue Skills

If you have any concerns about your trip descriptions and the appropriate hazards and or mitigations, please feel free to reach out to Morgan Sturgess- [msturgess@alpineclubofcanada.ca](mailto:msturgess@alpineclubofcanada.ca) or Tara McConnery – [tmcconnery@alpineclubofcanada.ca](mailto:tmcconnery@alpineclubofcanada.ca) in the office and we will help you review it!

Thanks for keeping everyone safe!

**Hazards**

Rockfall and Icefall

**What are the Risks**

Rockfall and icefall can be caused by natural forces or by people travelling through the terrain (e.g. climbing/scrambling/hiking)

**Hazard Mitigation**

Mitigated with certified and experienced guides, Helmets

Avalanche

**What are the Risks**

Avalanches can occur in the terrain you will be entering| Caused by natural forces, or by people travelling through the terrain (skiing/snowboarding)| Anyone caught in an avalanche is at risk of personal injury, death, and/or property damage or loss.|

**Hazard Mitigation**

Certified Guides with experience and training to manage this risk

Daily risk assessment processes

Guest training

Communication and Rescue

**What are the Risks**

Communication can be difficult and in the event of an accident, rescue and treatment may not be available| Adverse weather may also delay the arrival of treatment and transport out of the field

If an Injury occurs in challenging terrain movement to an evacuation point may be slow|

**Hazard Mitigation**

First Aid / Rescue Training| Satellite Communications |

Terrain

**What are the Risks**

Cornices | Crevasses | Trees, tree wells, and tree stumps | Cliffs | Creeks | Rocks and Boulders |Holes and depressions below the snow surface| Variable and difficult snow conditions |Snowcat roads and road ranks | Fences and other man-made structures | Impact or collision with other persons, vehicles or objects | Encounters with domestic or wild animals | Loss of balance or control | Becoming lost or separated from the group | Slips, trips, and falls|

**Hazard Mitigation**

Mitigated by Trained and experienced Guide| Radios

General Hazards

**What are the Risks**

Slips trips and falls indoor or outdoor| Equipment failure| Infectious disease contracted through viruses, bacteria, parasites, and fungi which may be transmitted through direct or indirect contact| Negligence of other persons, including other guests| Negligent first aid| Negligence of the guide Including failure to take reasonable steps to safeguard or protect you from, or warn you of risk, dangers, hazards, on participating in ACC activities|

**Hazard Mitigation**

Developed safety plans and procedures with decades of experience managing risk.

Falls and Belaying

**What are the Risks**

Mountaineering and ice climbing present the risk of falling from the wall causing the climber to collide with the wall or ground which can lead to injury or death| The risk of a belay failure is also present which can contribute to a ground fall|

**Hazard Mitigation**

Reviewing best practices with the guide| Equipment checks|

Boots and Binding Systems

**What are the Risks**

Even when set up correctly, a ski binding might not release during every fall or may release unexpectedly. The ski boot/binding system is no guarantee that the skier will not be injured. Non-DIN-certified bindings, such as pin/tech bindings, present a higher risk of pre-release and/or injury as they are not designed to the same safety standards as a DIN-certified alpine binding.

Unlike alpine ski boot/binding systems, snowboard and some telemark boot/binding systems are not designed or intended to release and will not release under normal circumstances. Using such a system increases the risk of injury and/or death when caught in an avalanche.