Safely Managed and Responsible Team (S.M.A.R.T.)

Use of ATV’s, Motorcycles, Snowmobiles and other off highway personnel carriers

**SOME FACTORS TO CONSIDER**

- Poor weather conditions (visibility, icing, etc)
- Mechanical failure/Operator competency
- Improper cargo storage or Overloading
- Variable terrain and Hidden obstructions
- Frozen water bodies
- Loss of control and/or roll over
- Remoteness/Access/Emergency response/Delay
- Fuel handling/Improper refuelling techniques
- Lack of emergency preparedness
- Other vehicles
- Sprain and Strain Injury
- Avalanche

**APPLICABLE SAFETY EQUIPMENT**

- Helmet, Gloves, Eye protection
- Hearing protection
- High-visibility apparel
- Extreme weather clothing
- Communication devices (radios)
- Fire extinguishers/Tools, Spill kits
- Survival gear including first aid kit
- Beacon, probe, shovel (See Avalanche Safety Policy/Plan)
- Snow shoes (where appropriate)
- Crevasse rescue equipment (where appropriate)
- Appropriate footwear
- Spare parts (as appropriate)

**PRIOR TO DEPARTURE (PLAN)**

Do not operate or ride on any motorized “all terrain vehicle” without appropriate training, competence checks, and authorization by your supervisor. Training must include, fueling, inspection maintenance, loading and unloading traversing steep slopes and difficult terrain. All vehicles that will be used on highways or resource roads must be appropriately licensed and insured for that purpose.

Review and familiarize yourself with the operator’s manual.

Inspect personal survival gear
Survival gear should include emergency rations, waterproof fire starters, signalling tools, heat retention covers, etc

Test/inspect applicable communication equipment including portable radios, phone/repeater systems, GPS and SPOT tracker,

Based on location and risk, determine frequency of check in and monitoring with monitoring station.

Check weather conditions and reports in advance of the trip including avalanche bulletins to confirm weather is suitable for work plan.

Complete avalanche trip planner form and checklist (as per Snow Avalanche Avoidance Policy and Safety Plan)

Conduct pre-trip inspection of vehicles. Check fuel and oil levels and belts. Do you need extra fuel, oil or drive belts? Belt driven machines should always carry spare drive belt in good condition. Check brakes, headlights, steering and emergency brake function. Look for loose parts or obstructions to steering and running gear components.

Inspect tool and spare parts kit: components will vary with machine type.
If deficiencies are observed during pre-trip correct them immediately, report them appropriately and or lock equipment out of use until repaired, if unsafe.

Ensure loads are secure and do not imbalance the machine.

Use stretching and warm up exercises to ready muscle groups
DURING THE RIDE (DO)

Do not operate machines on terrain conditions or circumstances where you are not comfortable, change your plan as required. Respect the comfort level of all riders in your group. Use more experienced riders to move machines through difficult areas as appropriate.

Use only ramps designed for loading and unloading machines. Be aware of loading ramp angle.

Use terrain to reduce angle where practical and safe.

Examine all unusual road or trail conditions before traversing, (washouts, slides, old bridges, steep slopes).

When traveling in groups maintain distance to stop and manoeuver without collision.

Off road machines must only carry one person and should be used in pairs unless a specific rationale and machine type is approved for multiple riders.

Operate, maintain, refuel machines in accordance with your training. Different machine types require different rider approaches to terrain and circumstance.

No horseplay or unnecessary manoeuver’s.

Take breaks and stretch periodically during longer rides.

MONITOR/INSPECT (CHECK)

De-energize machine while inspecting or maintaining.

Monitor loads while traveling to ensure they remain secure.

Continually monitor machine performance, correct problems immediately or change work plan.

Continually monitor weather and terrain conditions for changes, alter work plan accordingly.

Inspect and return the machine in good condition at the end of use or have it repaired or maintained.

IMPROVE/CORRECT(ACT)

Report any concerns to your supervisor.

GPS=Geographic Positioning System