

Safety Protocol FWT/FWQ/FWJ



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INTRODUCTION

This document contains all of the protocols, strategies, and recommendations to be implemented by the organizing body and covers all pertinent aspects of:

- Safety
- &
- Emergency rescue services to be rendered during the following events:
 - 1) Junior (FWJ)
 - 2) Qualifier (FWQ)
 - 3) World Tour (FWT)

This document contains the necessary information regarding any operating agreement between the organizing body (FWT hereafter) and the related medical, security, and rescue organizations.

This protocol is the bare minimum: The organizer and the Chief of Security must support local authorities and organizers in order ensure the proper implementation of these protocols.

The security protocol is also subject the following procedure:

- 1) It must be accepted by a representative authority of the local community hosting the event after a safety meeting review
- 2) It must subsequently be presented for approval by the FWT advisor before the event (minimum 30 working days before the first possible day of the event)

Once approved, the reviewed security protocol is to be sent to by scan or image to fwq@freerideworldtour.com

1 Safety Personnel

The annex contains a detailed description for each of the following positions described in this section (with the exception of the "Ski Dudes"). All personnel must be capable of being present the competition face and must have their own appropriate ski and mountain safety equipment (avalanche equipment, harness, etc).

1.1 High Mountain Guide

Name	Guide Or Chief of Security see Feil! Fant ikke referansekinden.
Job Description	See Annex N°5. Conditions must be observed.
Minimum #	2
Location	1 mandatory at the PC course (They become Chief of Security see Feil! Fant ikke referansekinden.) 1 recommended on the starting line

1.2 Chief of Security

Name	Chief of Security
Job Description	See Annex N°5.2; Conditions must be observed.
Minimum #	1 official and 1 deputy
Location	1 mandatory at PC Course

The Chief of Security is responsible for the overall safety and rescue protocol of the event. They must be an officially certified UIAGM high-mountain guide.

The Chief of Safety is a key role and must operate in close proximity to the competition director during an event.

The Chief of Safety:

- Has the final word on safety and snow conditions
- Decides where the competition will take place
- Confirms the arrival area
- See job description in Annex

Should the Chief of Safety deny approval for the event to take place, they must support their decision with relevant technical arguments in an official document.

1.3 Doctor

Name	Doctor & Chief Doctor: Will be designated by the Chief of Security in agreement with the Competition Director
Job Description	See Annex N°5.3. Conditions must be observed.
Minimum #	2 (for the competitions FWQ or FWJ one of the two doctors may be replaced by a trained emergency nurse or EMT)
Location	1 mandatory at the starting line 1 mandatory at the heli LZ

1.4 Ski Patrol / Rescue technician

Name	Ski patrol / Rescue technician
Job Description	See Annex N°5.4. Conditions must be observed.
Minimum #	3
Location	1 mandatory at the Heli LZ 1 mandatory at the starting line Additional deployment according the specific terrain conditions

Considering the topography of the event venues, ski patrols and rescue technicians must be strategically located where they have the ability to respond to an injured competitor and to execute a helicopter rescue should a doctor be absent. They must also be capable of delivering rescue toboggans to the location of the injured competitor. The designated ski patrol / rescue technician is therefore the first on scene to an injured competitor and should be on skis at all times during the competition (with a response time of seconds instead of minutes).

1.5 Ski Dudes (Ski finders)

Name	Ski Dudes
Job Description	To edit
Minimum #	3
Location	Depending on the site configuration, 1 systematically present on the starting line

Their work consists of recovering lost equipment: skis, poles, etc. This lost equipment is then delivered to competitors. These aides must be good skiers, capable of confidently accessing any spot on the venue.

Guide or ski patrol certification is not necessary for this position.

Snowboarders are permitted to assume this role but it is preferable that they are accompanied by a skier.

There must be a constant number of Ski Dudes available. The travel time on the ski lifts and overall journey time must be taken into account in order to ensure that there is at least one Ski Dude present at the starting line. Every Ski Dude must be equipped with the following equipment: helmet, beacon, shovel, probe, harness, and radio. This equipment must be verified to conform to article **Feil! Fant ikke referanse**kilden..

The Ski Dudes are under the authority of the Chief of Safety.

⇒ Their insurance status must be clarified

2 Location

2.1 General Remarks on Safety

By definition, this type of contest is organized in a high mountain zone in an environment that experiences harsh winter conditions.

The organizer therefore has the obligation to inform all relevant personnel operating on the competition face of:

- 1) Potential safety risks
- 2) Mandatory safety equipment
- 3) Weather forecasts
- 4) Avalanche risk and conditions

The final decision concerning competition location is susceptible to varying snow and weather conditions and runs the risk of being announced with short notice before the actual event. Therefore it is important to anticipate the evolution of conditions according to point **Feil! Fant ikke referanseilden..**

2.2 Rescue and Safety Mapping

A common standardized cartographic (mapping) tool will be implemented by the organizer and distributed to all relevant personnel that are required to be present on the face or operate the competition (this also includes external mobile personnel such as helicopters and personnel outside of competition zone)

This tool facilitates:

- 1) The identification and location of temporary structures
- 2) The location of an injured competitor or lost equipment
- 3) The positioning of on-site personnel such as ski patrol/safety technicians, guides, and Ski Dudes.

The minimum required elements of this mapping tool are:

- Grid reference with altitudinal data
- Scale (for example 1:25000)
- North/South Orientation
- Strictly forbidden zones
- Barriers, guiding markers, and safety nets

An example of this mapping tool is found in Annex N°**Feil! Fant ikke referanseilden.**

3 Before the Competition

3.1 Rescue Logistics

3.1.1 Equipment

The required medical equipment is listed in the Annex N°**Feil! Fant ikke referanse**kilden. (equipment distribution list). It is obligatory that the equipment is present and distributed according to the safety protocol.

3.1.2 Helicopter

The Helicopter is the primary tool for rescue operations for this type of competition. If the constant on-site presence of this helicopter is not guaranteed for the duration of the event, the constant availability of medical helicopter with the appropriate equipment (long line or winch) is required. Should the helicopter not be available, the event must be suspended.

The organizer is required to:

- Identify and equip a heli zone (LZ) close to the finishing area and indicate the location of the LZ on the common mapping tool.
- Inform the helicopter operator of the date of the competition and the designated competition face.
- Maintain a ground-air link to the helicopter dedicated to the event. The radio frequency must be available as soon as possible in order to program the communication equipment and constant guarantee contact with the safety and rescue personnel on the ground.

3.1.3 Radio Communication

Without a reliable system of radio communication or precise operating procedures pertaining to the communication protocol, competition management and rescue operations are not possible.

A specific radio network with appropriate coding must be in place.

A model of the radio signs and communication protocols is listed in annexe N°**Feil! Fant ikke referanse**kilden..

A test of the radio network will be conducted and organized by the Chief of Safety:

- Before the competition and during the installation of any necessary relays
- After the completion of the installation of all equipment and resources on the face
- Before the start of the first competitor

3.2 Snowpack Analysis

A high mountain guide (UIAGM, who can also serve as Chief of Safety) must regularly execute snowpack analyses at all of the potential competition sites. These analyses must be executed the weeks preceding the competition in order to have a maximum amount of data to make decisions regarding the execution of the events and partial or total closure of competition sites.

If this person not present during the event, a replacement UIAGM certified guide must be designated to take over this task.

The snowpack analysis itself will be executed by an expert in order to evaluate the avalanche risk. A local expert in the local snowpack and meteorology must also be designated.

The analyses, results, and conclusions must be recorded in a register that is under the responsibility of the Chief of Safety. Analyses will be executed at the very minimum on days D-3 and D-1.

Should any doubt or dispute arise concerning the results of the snowpack analysis, a unanimous decision involving the competition director, the chief of safety, a guide from the organization, a snowpack expert, and a public safety representative must be reached. If necessary, plan of action for stabilizing the snowpack (PIDA) will be executed.

3.3 Meeting for the Review of Safety Protocol

The appropriate safety protocol considering local and national rules and regulations governing the competition site must be presented:

- 1) For approval by a representative of the local community at a safety meeting
- 2) Then for final approval by a FWT advisor before the event (at least 30 working days before the 1st possible competition date).

Once approved, a scan or image of the safety protocol will be sent to fwg@freerideworldtour.com. The finalized safety protocol (once all disagreements are reconciled) will be transmitted to the FWT at least 10 days before the first possible day of competition.

The safety protocol will be reviewed point-by-point the day before the competition by the Chief of Safety and the FWQ advisor.

There is a strong emphasis on the following points:

- 1) The presence and appropriate procedures to contact participating helicopter(s) for rescue or evacuation missions
- 2) The status of the competition during evacuations must be managed*
- 3) The position of rescue teams

*no starting on the face/competition suspension if there is no available helicopter within 20 minutes of code Alpha announcement according to the rescue procedure in Annex N° **Feil! Fant ikke referansekinden.**

3.4 Mountain Reconnaissance

Part of the Chief of Security's role is to evaluate and monitor the conditions of the venue leading up the competition. This includes securing the site (PIDA if necessary), manage and restrict site access, and guarantee the safety of all the personnel with access to the face during the preparatory phase of the event as well as during the event itself.

A lead guide / forerunner / judge must ski the venue during the time that competitors inspect the face in order to give a general impression of the ski conditions and snow quality of the face.

The lead guide / forerunner / judge must be in radio communication during the descent of the face in order to communicate the type of snow he/she encounters. They are also responsible for conducting a debriefing directly after their descent with the competitors as well as during the the riders meeting.

3.5 Verification of Safety Equipment

An inspection of the safety equipment of all the personnel and competitors will be carried out before anyone is granted access to the zone.

This inspection will be carried out:

- Either at the bottom of the access means to the starting zone
- Or before entry into the competition zone

This inspection verifies the presence of:

- Back protection (not integrated into backpack)
- A helmet
- A properly functioning avalanche beacon (inspected)
- A backpack with a shovel and probe
- An Airbag (mandatory for FWT events only)

This inspection will be executed by a person designated by the Chief of Safety.

4 In Case of an Accident

4.1 Rescue Management

A rescue management procedure following a bodily accident is in annex (cf. Annexe **Feil! Fant ikke referansekinden.**) in this document. This document must be systematically approved by the Chief Doctor and the Chief of Security before the safety protocol meeting (cf. art **Feil! Fant ikke referansekinden.**).

4.2 Accident Journal

The accident journal is held by the lead judge (example in Annex N° **Feil! Fant ikke referansekinden.**). The Competition Director will decide whether the public or media will have access to the accident.

The following information must be mentioned in the accident journal:

- First name, last name, and nationality of the injured athlete
- The time and length of the fall
- Reasons for the fall
- Arrival time of the doctor and the rescue team to the location of the injured athlete
- Average transport time for the specific type of transport used to evacuate the athlete
- Condition of the athlete when en route to the hospital (conscious or unconscious)
- Time at which the doctor and the rescue teams are back in their stand-by positions and the length of time of the competition interruption
- Other

All organizers will receive a model of the accident journal from the FWT and must print several copies to be turned in filled out to the FWT advisor as well as retain a personal copy.

4.3 Reporting an Accident with an Insurance Company

The organizer will call the insurance company in order to report the accident the day of the competition. Not the day after!

ANNEXES

5 Annexes

5.1 Job Description: High Mountain Guides for FWT/FWQ/FWJ Contests

POSITION DESCRIPTION Use of skills of High Mountain guide before and during a Freeride competition
QUALIFICATION Recruited directly by the Chief of Security based on their skills and experience
LOCATION OF AGENT WITHIN THE FLOW CHART OF THE COMPETITION: <ul style="list-style-type: none">• N+1(hierarchical authority): Chief of Safety• Functional Authority: Chief of Safety REQUIRED SKILLS: <ol style="list-style-type: none">1- Ability to adapt to conditions while employing UIAGM standards2- Accountable to the Chief of Safety3- Ability to implement the necessary equipment and techniques to secure competition sites4- Mastery and management of communication technology and mediums PROFESSIONAL QUALIFICATIONS: Certified High Mountain Guide (UIAGM) with all required current qualifications in order to maintain active guide status. Extensive knowledge of local rescue services and operation of these relevant networks.
DESIRED TRAITS: <ul style="list-style-type: none">- Rigorous and methodical- Knows how to manage stress
ATTRIBUTED ROLES AND EQUIPMENT MANAGEMENT: manage, analyze, plan for the necessary equipment as well as its maintenance, operation, and eventual dismantling RELEVANT REQUIRED EQUIPMENT : Mandatory beacon, shovel, probe, harness, helmet, and a radio
KEY POINTS: Works independently and assumes responsibility of all utilized equipment Systematic communication of relevant safety information concerning the terrain to appropriate authorities
RESPONSIBILITIES: <ul style="list-style-type: none">- Facilitate and secure access to any persons on or near the competition site- Facilitate rescue operations if necessary- Participate in rescue and recovery operations if necessary or any other safety operation- Be able to operate as role of Chief of Security before or during the competitions if needed or asked by Chief of Security- In constant radio contact

*this applies for all the contests operated by FWT / MSO and all the organizing bodies having a role in the partial or total operation of a Qualifier or Junior event.

5.2 Job Description: Chief of Safety for the FWT/FWQ/FWJ Contests

<p>POSITION DESCRIPTION</p> <p>Use of skills of High Mountain guide before and during a Freeride competition</p>
<p>QUALIFICATION</p> <p>Recruited directly by the organizer based on experience and abilities to manage the required safety concerns for this type of event.</p> <p>In the case of failure, DOKEVER will lead additional operations (decision noted on the retro-planning).</p>
<p>LOCATION OF THE</p> <ul style="list-style-type: none"> • N+1(hierarchal authority): Competition Director • Functional authority: Competition Director <p>REQUIRED SKILLS:</p> <ol style="list-style-type: none"> 1- Ability to manage a team while taking account of the environmental and organizational conditions 2- Ability to function as a high mountain guide UIAGM** 3- Ability to coordinate a complete rescue operation while cooperating with the doctor 4- Accountable to the Competition Director <p>PROFESSIONAL QUALIFICATIONS:</p> <p>Certified High Mountain Guide (UIAGM) with all required current qualifications in order to maintain active guide status. Firm knowledge of local rescue services and operation of these relevant networks.</p>
<p>DESIRED TRAITS</p> <ul style="list-style-type: none"> - Demonstrate a strong analytical skills and decision making regarding complex situations -Rigorous and methodical - Ability to manage stress - Managerial prowess
<p>RELAVENT EQUIPMENT : radio communication, telephone, tracking tools, mapping/cartography tool, procedural notebook, telephone book</p>
<p>KEY POINTS</p> <p>Operates independently and assumes all necessary decision-making for any given situation</p> <p>Manages and is responsible for all aspects of safety and rescue operations</p> <p>Launches any crises management measures conjointly with the Competition Director according to protocols</p>
<p>RESPONSIBILITIES</p> <ul style="list-style-type: none"> - Organizes all safety meetings (authorities, riders, any involved party...) - Approves equipment requirements and inspection procedures for all persons having site access - Approves access to site (entry/exit) - Approves final site choice and all necessary installation locations (finish line, rider access, web antennae, public zone, drop zone, press access...) - Involves local relevant experts to manage any possible risk (snowpack and meteorology) - Approves snowpack stabilization PIDA*** with the relevant experts - Conducts sufficient inspection leading up to the event in order to ensure the feasibility of the contest - Approves the job listing and hiring process of all personnel under their authority - Ensures the interaction between all services - Approves all the safety, radio, and rescue equipment necessary. Also approves radio communication network. - Must systematically approve any person wishing to access the competition site during the preparatory phase and during the competition. - Has the authority to suspend the start of the competition

*this applies for all the contests operated by FWT / MSO and all the organizing bodies having a role in the partial or total operation of a Qualifier or Junior event.

**Union Internationale des Associations de Guide de Montagne

***PIDA Snowpack

5.3 Job Description: Doctor for the FWT/FWQ/FWJ Contests

<p>POSITION DESCRIPTION</p> <p>Physician with a specialization in emergency medicine capable of operating in a high mountain environment in order to treat injuries related to freeride contests</p>
<p>QUALIFICATION</p> <p>All doctors are contractually recruited ** by the the FWT organization or a delegated organization (franchised) in order to cover all medical services</p> <p>In the event of failure to fulfil obligations, DOKEVER will provide additional covering services</p>
<p>LOCATION OF AGENT WITHIN THE FLOW CHART OF THE COMPETITION:</p> <ul style="list-style-type: none"> • N+1(Hierarchal authority) : Competition Director • Functional authority: Answers to the Chief of Safety • On site cooperation with paramedic and recue teams as well as helicopter pilots • Required skills: <ol style="list-style-type: none"> 1. Ability to integrate as a team player while taking account of the medical priority 2. Flexibility and experience in a wintery high mountain environment (snowshoes, skis, crampons) 3. Ability to tolerate and to execute professional duties in a hostile winter environmental 4. Ability to speak at least two languages (English required) 5. Mastery of management and communication mediums <p>PROFESSIONAL QUALIFICATIONS:</p> <p>Specialization in emergency medicine / oxology OR specialist in anesthetic resuscitation OR physician with applicable recent experience and specific training in high mountain medicine</p> <p>AND</p> <p>Mandatory regular practice of high mountain rescue and a strong understanding of sport injury pathology</p>
<p>DESIRED TRAITS:</p> <ul style="list-style-type: none"> - Ability to administer the correct and available referenced medications and biomedical resources - Good listening and speaking skills and ability to communicate knowledge in an efficient way - Rigorous, methodical, and approachable - Ability to take initiative - Ability to manage stress
<p>ATTRIBUTED ROLES AND EQUIPMENT MANAGEMENT: Must be equipped with the necessary equipment to practice medicine at the competition site</p> <p>RELEVANT REQUIRED EQUIPMENT : Mandatory use of beacon, shovel, probe, harness, helmet, radio</p>
<p>KEY POINTS</p> <p>Must be aware that Chief of Safety is responsible for rescue operations because the Chief of Safety makes decisions regarding the following criteria</p> <ol style="list-style-type: none"> 1. Knowledge of the competition zone 2. Knowledge of the overall event organization 3. If the position is shared between different jurisdictions there must be proper cooperation with all possible authorities and agents <p>In order for the event to take place, a doctor must be present on the competition venue</p>
<p>RESPONSIBILITIES:</p> <p>Required:</p> <ul style="list-style-type: none"> - Limit treatment to emergency-only needs - Ability to negotiate and move across the competition terrain in order to support the needs of rescuers and the head guide - Establish a link with the appropriate local medical care facilities and ensure ongoing patient care - A confidential medical file must be reviewed and archived for the organization - Conform to all patient confidentiality protocols

*this applies for all FWT / MSO contests and any organization having been delated partial or total responsibility for a Qualifier, junior, or World Tour FWT event

**contract type and insurance and equipment restrictions

5.4 Job Description*: Ski Patrol for FWT/FWQ/FWJ Contests

<p>POSITION DESCRIPTION</p> <p>Execution of operations requiring rescue skills and training / Emergency Medical Technician (EMT) in a high mountain environment treating injuries sustained in the context of a freeride contest</p>
<p>QUALIFICATION</p> <p>The totality of the ski patrol team is recruited by the ski resort that is hosting the Freeride competition. An official agreement between the event organizer and the company responsible for the operation of the ski resort will be the basis for this position.</p>
<p>LOCATION OF AGENT WITHIN THE FLOW CHART OF THE COMPETITION:</p> <ul style="list-style-type: none"> • N+1(hierarchical authority) : Their normal employer (the ski resort) • Functional authority Under the authority of: <ol style="list-style-type: none"> 1) The Chief of Security who is found at the competition PC or management 2) The doctor in charge of the competition during a rescue operation <p>Required Skills</p> <ol style="list-style-type: none"> 1- Ability to work in a team taking into account the priorities dictated by the organization 2- Ability to work combined with experience in wintery conditions in high mountain terrain 3- Ability to execute professional responsibilities in a hostile winter environment 4- Ability to be accountable to the competition PC and doctor 5- Mastery and management of communication mediums (radio, etc). <p>PROFESSIONAL QUALIFICATIONS:</p> <p>Has all certifications and conforms to the local requirements and regulations concerning human rescue</p> <ol style="list-style-type: none"> 1- In France, PSE2 (Premier Secours en Equipe) up to date the day of the competition 2- Recent professional experience in rescue and multidisciplinary work (doctor, guide) 3- Ability to manage land or air evacuation
<p>DESIRED TRAITS:</p> <ul style="list-style-type: none"> - Ability to draw on available specialized rescue means - Ability to listen to concerned persons, analyze their needs, and respond in an efficient manner - Rigorous and methodical - Understand how to manage stress
<p>ATTRIBUTED ROLES AND EQUIPMENT MANAGEMENT: On site, a required minimum equipment list is mandatory (see list in Annex) => minimum cervical collar</p> <p>RELEVANT REQUIRED EQUIPMENT : Mandatory beacon, shovel, probe, harness, helmet, radio</p>
<p>KEY POINTS</p> <p>Understands that the Chief of Safety is in charge of all rescue operations and is found at the competition PC or management</p> <p>Must inform the Chief of Safety if the competitor is not capable of moving under their own strength</p> <p>Must work in cooperation with the doctor and their colleagues</p>
<p>RESPONSIBILITIES</p> <ul style="list-style-type: none"> - Intervene without delay and under the command of the Chief of Safety - If the first responder on the accident, secures the accident site, then evaluates patient - Begin rescue procedures and calls for backup if necessary

*this applies for all FWT / MSO contests and any organization having been delated partial or total responsibility for a Qualifier, junior, or World Tour FWT event

5.5 Functional Flow Chart of the Competition

5.6 List of Safety Personnel

PROJET

5.7 List and Distribution of Equipment

PROJET

5.8 Cartographic Example

PROJET

5.9 Radio Communication

PROJET

5.10 Rescue Management

PROJET

5.11 Accident Journal

PROJET

5.12 Management of Communication Crisis

PROJET

5.13 Retroplanning involvement of means in the framework of the Security Protocol

PROJET