



# International Ski Mountaineering Federation

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Sporting Rules & Regulations  
Ranking Rules & Regulations

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*NB : All rules and regulations may be subject to modification of the language used, in so much as the context and the content of the rule/regulation will remain unaltered but the English language used within in said rules and regulations may be subject to improvement in terms of grammar and clarity.*

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## **A. SPORTING RULES & REGULATIONS FOR INTERNATIONAL SKI MOUNTAINEERING COMPETITIONS**



## 1. INTRODUCTION

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The ISMF rules and regulations for international ski mountaineering competitions (for world and continental championships, world and continental cups and ISMF certified races) consist of a set of rules for the standardized organisation of ski mountaineering competitions. The purpose of this text is to set out the obligations, behaviour and rights of athletes wishing to take part in the international ski mountaineering competitions of the ISMF calendar.

The official ISMF *sporting rules* text is published in English.

This document is the main reference, together with the document named "Rules for organising ISMF international ski mountaineering competitions", for setting out the rules and regulations applicable to international competitions.

### 1.1 Definitions

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**Sporting season:** from 1<sup>st</sup> July to 30<sup>th</sup> June. Any changes in rules voted in June by the PA will be applicable from 1<sup>st</sup> July and therefore for the following season.

**National Federation:** federation or association that represents ski mountaineering at a national level, approved by the corresponding ministry or state department, approved by the federation sitting at the National Olympic Committee and member of ISMF.

**Event:** describes all proceedings extending from LOC preparations to final results (candidacy, administrative and technical procedures, route marking, welcome, registration, inspections, races, podium, accommodation, meals, etc.).

**Race:** describes a contest from start to finish.

**Open race:** race for competitors with no ISMF licence, and taking a course different of the ISMF race (course B or C)

**Competition:** all the races that take place during the event.

**Competitors:** all persons participating in the race and the competition.

**Time points:** these points depend on the ratio of a competitor's finish time and that of the winner given in percentage for each race, used to decide between dead heats.

**Place Points:** points attributed to competitors depending on their results in a given race irrespective of the race coefficient.

**Race coefficient:** value attributed to the race depending on the previous ranking of the best athletes to finish.

**Ranking points:** points attributed to individual competitors, teams or countries and used to establish their position in competition ranking.

### 1.2 Abbreviations

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- ISMF: International Ski Mountaineering Federation
- PA: Plenary Assembly
- MC: Management Committee
- LOC: Local Organising Committee
- UIAA: International Mountaineering and Climbing Federation
- DVA: *Détecteur de Victimes d'Avalanche*, also called: Avalanche transceiver (ARVA)
- M / W: Men/ Women
- NF: National Federation
- WADA-AMA: World Anti-Doping Agency
- TAS: Court of Arbitration for Sport Lausanne (CH)

### 1.3 References

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The following documents relate to ISMF competitions:

- ISMF Rules for organising international ski mountaineering competitions
- ISMF International ski mountaineering sporting and ranking rules and regulations
- ISMF Disciplinary rules
- ISMF Anti-doping policy & procedures
- ISMF Athletes Commission and Athletes Representatives
- ISMF Coaches Commission
- ISMF Rules Commission
- ISMF Referees Commission
- ISMF Statutes
- ISMF «Bylaws»



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## 2. EVENTS AND COMPETITIONS

	DESCRIPTION	CATEGORIES	POSITIVE ASCENT	DURATION	TEAM COMPOSITION		
SPRINT	a varied, short course with ascent, descent, and a walking part with skis attached to rucksack, which will take place in qualifying phases, quarter-finals, semi-finals and final. Race held by heats of 6 runners from quarter-finals to final.	SM		3 min ± 30sec			
		EM					
		SW					
		EW					
		JM					
		JW					
		CM***					
		CW***					
VERTICAL RACE	A single ascent on skis, for individual racers. No part takes place on foot with skis on backpack. Vertical race is possible off piste, but only along a sheltered track with a minimum width of 2 metres.	SM	500 to 700m				
		EM					
		SW					
		EW					
		JM	400 to 500m				
		JW					
		CM***					
		CW***					
INDIVIDUAL RACE	Minimum 3 ascents/descents on mountain slopes. The longest ascent must not exceed 50% of the total positive difference in height.	SM	1600 to 1900m	1,5 to 2 hrs			
		EM	1300 to 1700m				
		SW					
		EW					
		JM	900 to 1200 m				
		JW					
		CM***					
		CW***					
TEAM RACE*	several ascents and descents on mountain slopes	SM	>2100m	3 h max for the first competitors	2 competitors**		
		SW	>1800m		2 competitors**		
RELAY*	2 distinct ascent(s) and descent(s) raced by each member of the relay team, with a foot part in the 2 <sup>nd</sup> ascent	SM	150 to 180 m	Max 15 min	4 competitors		
		SW			3 competitors		
		YOUTH			3 competitors per team including 1 cadet M and 1 woman (C or J starting necessarily in 1 <sup>st</sup> lap)		
* Athletes holding valid ISMF licences are not allowed to take part in team races that count towards the ISMF Championships with team members of different nationalities.							
**can be 3 competitors on continental cups, world cups, and ISMF certified races							
*** Cadet categories cannot participate or be ranked on world cup races							

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\*\*can be 3 competitors on continental cups, world cups, and ISMF certified races

\*\*\* Cadet categories cannot participate or be ranked on world cup races

### Compulsory schedule for the week of World and Continental Championships

Day 0: Welcome (evening)  
 Day 1: *Sprint Senior, Espoir, Junior, Cadet Men and Women*  
 Day 2: *Vertical Race Senior and Espoir*  
 Day 3: *Youth Vertical Race*  
 Day 4: *Individual Race Senior and Espoir*  
 Day 5: *Youth Individual Race*  
 Day 6: *Race by Team – Men and Women*  
 Day 7: *Relay Youth, Senior Women and Senior men*

During candidacy assessment, the distinctive features of each candidacy will be taken into account. In very special circumstances, the ISMF technical director may authorise the LOC to allow some adaptations to the weekly schedule.



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### 3. ENTRY TO COMPETITIONS

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#### 3.1 Categories

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The categories for international competitions are:

- Cadet: 15 – 16 – 17 years
- Junior: **18 – 19 – 20** years
- Senior: 18 years and above;
- Espoir ranking: 21 - 23 years.

For the sports season N-1/N, the age taken into account is the age on 31st December of year N.  
There cannot be subdivisions in Cadet and Junior categories.

#### 3.2 Quotas per country

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For some international ski mountaineering competitions, the ISMF lays down quotas by country.

##### *3.2.1 World and European Championships*

###### **Individual races, Sprint and Vertical Race:**

- Senior: 4 M and 4 W
- Espoir ranking: 3 M and 3 W (total of 7 seniors M and 7 seniors W)
- Junior: 4 M and 4 W
- Cadet: 4 M and 4 W

###### **Team races:**

- Senior: 4 teams M + 4 teams W

###### **Relay races:**

- Senior: 1 team M + 1 team W
- Youth: 1 team

The top ten World Cup ranking racers of the current season, automatically qualify for a place in each one of the three following races: individual, sprint and vertical. They are not considered part of the quota per nation.

**Bonus:** an additional competitor or team from the winning nation (1<sup>st</sup> place) of the previous Championships of the same category. This rule does not apply to relay races.

The title of World Champion grants a bonus place for the next World Championship. Idem for the title of European Champion. If for any reason the competition does not take place, or if there is no ranking, this bonus is applied in the next Championship. E.g.: a competitor from country X won the individual women's race at the last world championship and a competitor of country Y finished 2<sup>nd</sup>. For the world championship, the country X may register five (four + one) women competitors for this race, whereas country Y (and all other countries) may only register 4 competitors.

##### *3.2.2 Continental Championships (excluding Europe), and ISMF certified races*

There are no quotas.

##### *3.2.3 World Cup Races*

The teams have to be built up with athletes of the same nation. In case of a lower amount of athletes per nation in a team race or a relay race, the Jury can allow teams of different nations. The athletes for the teams must be announced by the nation-team leader. Every athlete is counting to the World Cup-ranking.

### 3.3 Licence and documents

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Competitors must hold an ISMF INTERNATIONAL LICENCE to participate in ISMF ski mountaineering championships and world cup races.

Competitors should contact their national federation to obtain an international licence. Each national federation must send the ISMF licence registration form to ISMF headquarters at least one week before the start of the competition. Both the national federation and the competitor agree to accept and abide by all ISMF rules and regulations (equipment, conduct, anti-doping, etc.).



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**Each national federation must ensure that its competitors enrolled in Continental Championships and ISMF World Cup Races are:**

- Holders of a public liability insurance and a repatriation assistance policy covering any accidents involving competitors that may arise during journeys to and from the competition and/or during the competition.
- Holders, if necessary, of an individual accident insurance.
- Physically fit to take part in ski mountaineering competitions, holders, if necessary, of a medical certificate in compliance with the national regulation.
- Authorized to take part in competitions. A letter from parents or the legal guardian for young competitors (minors) with respect to the legislation of each country is requested.

**For certified and assessment ISMF ski mountaineering races**, it is up to the athletes to ensure all the above information. **It is not essential to hold an international ISMF licence in order to participate certified or assessment races.**

## 3.4 Registration

### *3.4.1 World/Continental Championships and World/Continental Cups - all categories*

For all ISMF ski mountaineering categories, all competitors must register for world/continental championships and world/continental cups via their national federation.

Registration forms must be completed online on the website of the competition by each national federation. National federations can only register athletes of the country they represent (no foreigners). Athletes with dual nationality must choose under which nationality they wish to register at the beginning of each season.

Each organiser proposes its own registration deadlines to the ISMF

A registration is considered complete when:

- It has been sent to the LOC before the registration deadline and is correctly filled in including:
  - Category
  - Number of the ISMF licence
- The registration has been paid.

**Competitors holding an ISMF licence can only participate in team races with team members of their own nationality during ISMF world championships or world cups.**

For every event, a national federation registers its quota of competitors/teams/relays at the time set down by the ISMF stating the names of the competitors, team formation and start order for relays.

An athlete can be replaced until one (1) hour before the start of the race.

The national federation is responsible for giving the sport number to the substitute(s).

The potential substitute(s) will be compulsorily announced at the moment of the registration in the race.

LOC members and ISMF officials cannot participate in a competition which they are officially involved in.

### *3.4.2 ISMF certified races*

For ISMF **certified** ski mountaineering races, competitors can register directly via the Local Organising Committee (LOC).

## 4. CLOTHING AND EQUIPMENT

The equipment listed hereafter is required for all ISMF competitions.

**All equipment used by competitors taking part in ISMF events must be produced by a supplier that:**

- **Is registered in a chamber of commerce and industry.**
- **Is registered for VAT in country of origin** (Intra community number for the EU or similar manufacturers).
- **Has a product liability insurance, which covers the use of the equipment in ski mountaineering**

The labelled security equipment **must be CE and UIAA marked** or comply with the requirements of a European rule in force (*except for the helmets, see chart in 4.1*) without any modifications, **except those authorized by the manufacturer** in the written information supplied with the equipment.

Modified boots by a second manufacturer are only allowed if there is a formal agreement between the two manufacturers, which is specified in the written information supplied with the modified part.

No other compulsory equipment may be modified.



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Mixed bindings (front part from one manufacturer and rear part from another one) are not allowed.

The president of the jury reserves the right to reject any equipment judged to be defective or inadequate.  
Infringement of these rules will be sanctioned by penalties, as described in § 6.1.

It is strictly forbidden to change equipment during the course of a race with the exception of one or more broken ski poles and/or skis.

## 4.1 Description equipment for all ISMF ski mountaineering races

EQUIPMENT	DESCRIPTION	CE or UIAA
a passport or a National ID card	to be showed, by the athlete or the coach after having crossed the finish line.	
a pair of skis	with metallic edges covering at least 90% of their length, and minimal width of at least 80 mm in the front, 60 mm under the boot and 70 mm in the rear part; ski length must be of at least 160cm for men (senior, espoir, junior, and cadet) and 150cm for women (senior, espoir, junior & cadet). <b>For the 2012 -2013 season, the ski length for Cadet Men will be 160 cm as minimum.</b> The skis will be measured according to the method « Rolling ».	
bindings	which allow heel movement during ascents and are blocked for descents; <u>front and rear parts:</u> <ul style="list-style-type: none"> <li>The rear part of the bindings must have front and lateral release safety systems.</li> <li>If front bindings have limited or no release safety system or can be used locked without a safety system,</li> </ul> it must be clearly specified in the written information supplied with the equipment that these bindings are designed for competition and don't require a safety release system for the front part of the bindings. <b>It is recommended to use a safety release system in the front part, which will be compulsory from the season 2012-2013.</b> <b>For the season 2012-2013, a minimal distance of 4mm will be imposed between the rear part of the boot and the heel piece.</b> <b>(NB : ski stoppers are no longer compulsory for the 2013-2014 season)</b> <b><u>Minimal weight for skis and bindings:</u></b> Men: 750 grams, i.e. 1500 grams per pair. Women & Cadets Men: 700 grams, i.e. 1400 grams per pair.	
boots	(only the shell) must cover the ankles and have notched soles in Vibram or an equivalent. The soles must cover at least 75% of the boot surface, the minimum notch depth is 4 mm. There must be at least 8 notches under the heel and 15 under the front part of the sole, with a minimum surface area of 1 cm <sup>2</sup> per notch. Each boot must have at least 2 independent closing systems. Boots must be designed to be used with metallic crampons. Cross-country ski boots and bindings or equivalents are strictly forbidden. <b>For the season 2013-2014, the notched soles will have to cover the 100% of the boot surface.</b> <b><u>Minimal weight for boots (shell and dry inner):</u></b> <ul style="list-style-type: none"> <li>Men: 500 grams, i.e. 1000 grams per pair.</li> <li>Women &amp; Cadets Men: 450 grams, i.e. 900 grams per pair</li> </ul>	
A pair of alpine or cross-country ski poles	(carbon or other material) of a maximum diameter of 25 mm, and with non-metallic baskets.	
A pair of removable anti-slipping skins.	When the skins are not on the skis, they must be put away in the rucksack or ski suit. Use of adhesive tape or an equivalent system to enhance gliding is strictly forbidden for environmental reasons. The skins of wild animal origin are strictly forbidden.	
Upper body clothing	three layers that fit the competitor well: <ul style="list-style-type: none"> <li>1 long or short-sleeved, body-hugging layer.</li> <li>1 ski suit with long-sleeves or a second layer with long-sleeves.</li> <li>1 breathable, long-sleeved wind breaker.</li> </ul>	
Lower body clothing	two long-legged layers that fit the competitor well <ul style="list-style-type: none"> <li>1 ski suit or ski pants</li> <li>1 breathable wind breaker trousers</li> </ul>	
An avalanche detector	also called DVA or ARVA, that conforms to standard EN 300718 457 kHz frequency. Each competitor must wear this apparatus against his/her body, under all clothing in transmitting mode. The device must never be visible during the race even if the competitor opens his/her suit due to high temperatures. Competitors have to ensure that their device is functioning properly throughout	YES





	<p>the entire race.</p> <p>Controls will take place during the competition to check on the correct usage.</p> <p>If the device is not working and the organization is unable to furnish a replacement device, the competitor will be stopped and disallowed to continue.</p> <p>If an avalanche transceiver is found in a rucksack or runs out of battery during the course of the race then the competitor will be banned from participating in all future races until the end of the current season.</p>	
A helmet	conforming to UIAA 106 standards or CE EN 12492 standards. Helmets must be used (chin-strap has to be fastened) during the whole race (from the start to the finish line).	YES
A snow shovel	conforming to ISMF standards ( <i>Appendix 3</i> ).	
A snow probe	conforming to ISMF standards ( <i>Appendix 2</i> ).	
A survival blanket	with a minimum surface area of 1.80 m <sup>2</sup> , modifications subsequent to manufacture are not allowed. The term "survival blanket" is as defined by the manufacturer.	
A pair of gloves	that cover all the hand up to the wrist - to be worn throughout the duration of the race	
An UV-protection sunglasses		
A rucksack	with sufficient capacity to hold all the equipment required as stipulated by the referee during the race, with two posterior and/or lateral fastening straps for carrying skis (carrying skis in shoulder straps is not allowed). In the event of cooperation between team-mates, the carrier's rucksack must have two independent sets of fastening straps. If the rucksack has an independent crampons pouch, the pouch must be securely fastened to the back of the rucksack (using Velcro straps, etc.).	
A whistle		
<b>Supplementary equipment that may be required by the jury</b>		
A pair of metallic crampons	<p>conform to UIAA standard 153, with at least, 10 spikes, the front two must adjust to fit the competitor's boots. They must have safety straps that should be properly fastened during all the crampons foot part of the race</p> <p>Any devices which don't comply will lead to the disqualification of the competitor.</p> <p>When crampons are not worn on boots, they must be packed in the rucksack, with spikes facing each other;</p>	YES
A harness	conforming to UIAA standard 105	YES
via ferrata kit	with energy absorbing system for use in Klettersteige (via ferrata) conforming to UIAA standard 128.	YES
2 type K (Klettersteige) connectors	<p>conform to UIAA standard 121.</p> <p><b>When the lanyard and the 2 connectors are not in use, they must be put away in the rucksack or hung on around the waist</b></p>	YES
An additional upper body thermal fleece layer of clothing	(4th layer with long sleeves), soft shell double with fleece that fits the competitor well.	
A ski cap or headband		
A second pair of gloves.	thermal, breathable and windbreaker	
A head torch in full working order;		
A second pair of UV-protection sunglasses.		
A dynamic rope	conforms to UIAA standard 101, 8 mm diameter minimum, length 30 m.	YES



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<b>COMPULSORY EQUIPMENT</b>	<b>INDIVIDUAL</b>	<b>TEAM</b>	<b>VERTICAL</b>	<b>SPRINT</b>	<b>RELAY</b>
Passport or ID card (on the finish line)	X	X	X	X	X
Skis	X	X	X	X	X
Bindings	X	X	X	X	X
Ski poles	X	X	X	X	X
Skins (one pair min.)	X	X	X	X	X
3 layers up	X	X	X	X	X
2 layers down	X	X	X	X	X
DVA	X	X	X	X	X
Helmet	X	X	X	X	X
Snow shovel	X	X	X	X	X
Snow probe	X	X	X	X	X
Survival blanket	X	X	X	X	X
Gloves	X	X	X	X	X
Sunglasses	X	X	X	X	X
Rucksack	X	X	X	X	X
whistle	X	X	X	X	X
<b>SUPPLEMENTARY EQUIPMENT</b>					
Crampons					
Harness					
Via ferrata kit					
2 connectors					
Ski cap or head band					
2 <sup>nd</sup> pair of gloves					
Head lamp					
2 <sup>nd</sup> pair of sunglasses					
Dynamic rope (one per team)					



## 4.2 Equipment supplied by the LOC

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The LOC provides competitor's numbers which:

- might include an electronic device;
- must not be folded, or cut without the referee's authorization
- must be displayed in the place(s) reserved for this purpose as specified by the LOC (back of the rucksack and right thigh) throughout the duration of the race;
- might need to be handed in once the competitor has crossed the finishing line;
- for relays: for each team competitor:
  - 1<sup>st</sup> relay = X-1, 2<sup>nd</sup> relay = X-2, 3<sup>rd</sup> relay = X-3 and 4<sup>th</sup> relay = X-4.
  - the numbers "X" are assigned according to ranking at the previous race for the same title (for a world championship n° N, competitors numbers are determined by their ranking at the world championship n° N-1)
- If a previous ranking is not available for number assignment in a category, then numbers will be drawn at random.
- Any other equipment not stated in the present regulations is with the prior agreement of the race referee.

A **RED number** will be assigned to the competitor (Senior man and senior woman) who is provisionally leading the World Cup on the day of the competition. The following numbers will be assigned according to the temporary classification of the current World Cup.

1st World Cup = Bib Number 1  
 2nd World Cup = Bib Number 2  
 3rd World Cup = Bib Number 3  
 4th World Cup = .... Etc.

In the Women's category, the Red number will be assigned to the first number of the Women category ranking.

When a race is comprised of various stages, an athlete who is the leader of the World Cup whilst also leader of the competition, may wear a bib that indicates the position as competition leader (if there is a bib for this purpose).

Different coloured race numbers must be used to distinguish those who are participating at World Cup level, from other non - ISMF competitors in an 'open' event.

The categories will be differentiated from each other through their sport numbers, which will have different numerical series.

## 4.3 Advertising on competitor's clothing

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Only the race number may be used for advertising purposes by the LOC  
 National federations can use spaces on competitor's clothing.

## 4.4 Inspection of equipment

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Equipment will be inspected at the finish line or at any other point on the course (without stopping the competitor, the controller takes note as the competitor goes past).

The competitor is totally responsible for his/her equipment.

If a competitor has doubts about his/her equipment, he/she can have it checked by the jury the day before the competition.

A place is reserved for the control of competitors' equipment, should they have any doubts, and for the safety equipment required by the LOC, where the presence of an ISMF referee is COMPULSORY.

The President of the jury reserves the right to reject any equipment judged to be defective or inadequate.



## 5. RACE ORGANISATION

### 5.1 Start types

Race starts and routes must be planned so that female and youth categories cannot be overtaken by male WC categories or by non-world cup "open" categories, during the race.

Race starts and routes must be planned so that open racers cannot be overtaken by WC categories during the race.

The ISMF race will start at least 2 hours after the last start non-ISMF race.

The start schedule has to be approved on the eve of the race by the ISMF technical director.

A combined male and female mass start will ONLY be allowed if approved by the ISMF appointed technical director.

Separate male and female mass starts must be separated by a minimum interval of 15 minutes between the two starts.

A pole position starting system is compulsory for the top 15 WC athletes (See appendix 10 "Pole position start" in Rules for organising international ski mountaineering competitions).

Number positions must be marked on the snow.

The team race starting positions are worked out by adding together the WC ranking of each of the 2 teammates.

**Sprint:** see Rules for organising international ski mountaineering competitions par. 4.3.5.2.

**Relay races:** Competitors for the first relay take position on the starting line. Number 1 is positioned in the centre of the trail, n° 2 to his/her right, n° 3 to his/her left, and so on. Starting marks will be made to the right of the trail.

If there is not enough room for all competitors on the same line, two or more starting lines (4 metres between each line) can be set up for a simultaneous start.

If there are many ISMF starting lines for different routes or categories, then start order will be given at the race briefing.

Competitors who have no ISMF licence are relegated to another starting line, systematically 20 to 50 m behind the last ISMF starting line.

Those races which host a 'big' Open event, should consider holding the open race on different day to the ISMF World Cup race.

### 5.2 Starting procedure

Competitors are called to the starting line five minutes before the start: they are informed twice of the time remaining before the start: two minutes before and then thirty seconds before the start. The tips of their skis must be on the start line.

The starter then gives the starting signal "Go" or a pistol shot (this sentence in English must be used for all international competitions).

False starts are penalised (§6.1).

For relays, competitors must remain in the starting area until relay hand-over.

If the minimum temperature on the course is lower than - 20 °C the following may occur:

- Race is held on a more sheltered course (forest)
- Departure time is postponed until later
- Total positive difference in height of the race may be reduced
- A 4th COMPULSORY layer for the descent is imposed
- No night time races

WC races cannot start before 9:00 am or after 5:00 pm except for sprint races which can be held as a nocturnal event.

### 5.3 Conduct of competitors during the race

While racing, competitors must abide by the following rules:

1. Ascents are carried out with skins on skis, and descents without skins (except if the jury decides otherwise). A competitor who is about to be overtaken must, without fail, immediately leave the route tracks and allow the competitor who shouts "TRACK" to pass.
2. Upper tracks are preferably reserved for faster competitors.  
When several types of races (World Cup - route B, C, etc.) share a part of the route, the best track is always reserved for the World Cup competition.  
In case of possible traffic jams (corridors, ridges, etc.) organisers will clear the "World Cup" track, warning the other racers that they must leave the route track.
3. A competitor having difficulties may give-up on his/her own initiative, or be forced to give-up by decision of the race director or one of the doctors present.
4. Giving-up (own initiative or forced) must take place at a checkpoint or waypoint according to the procedure described during race briefing except in extreme circumstances. For team races, if one team member gives-up then



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- the other will be told to give-up and must follow instructions given by the race director, the chairman of the jury or any of their representatives.
5. Competitors must render assistance to fellow competitors in distress or any kind of danger. The jury will take into account the time spent rendering assistance.
  6. Competitors must not leave a checkpoint until given permission by an official. Team members must leave checkpoints together (i.e. before crossing the blue line which marks the exit of the checkpoint).
  7. Competitors must pack their skins either inside their ski suit or in their rucksack.
  8. In team races, each competitor must carry his/her own rucksack throughout the entire duration of the race with all the required equipment (except skis.)
  9. Skis must be carried on the rucksack using 2 fastening straps designed for this purpose (skis are not to be carried underarm or in shoulder straps). In team races, a competitor may only carry his/her team-mate's skis if there are two separate sets of two fastening straps for carrying skis on his/her rucksack that comply with regulations.
  10. Competitors have to carry out the entire operation required for the removal/replacement of skins, crampons, skis etc. (except picking up or putting down ski poles ) within the 'change area', as marked out clearly with entrance and exit lines. It is strictly forbidden to fasten/unfasten the skis from the backpack, to lock/unlock bindings, or to pack/unpack skins or crampons etc. anywhere outside of this area, even upon approach to entering and/or straight after exiting the change area.
  11. On stretches using a fixed rope, where use of lanyards are compulsory, competitors must not, at any time, detach themselves from the fixed rope. When passing a point anchoring the fixed rope, the competitor must clip the second karabiner onto the following part of the rope before removing the first karabiner. Any breaches to these safety rules will be penalized.
  12. Throughout the race whilst in the change areas, (Individual, Team, Vertical, Sprint, Relay) ski poles MUST be placed flat on the ground - valid for all 'change areas' in all ISMF races.
  13. The race director or a checkpoint/waypoint chief may compel competitors, at any point on the route, to wear their windbreakers, caps or any other item of compulsory equipment.
  14. No outside assistance is allowed except for:
    - changing a broken pole/ski. The competitor must leave the broken pole/ski at a checkpoint or waypoint in order not to be penalised. However, he/she may change a broken pole/ski anywhere and with anyone.
    - refreshments on a race longer than 2h and only in the areas authorized by the jury.
  15. For team races,
    - assistance is allowed only between team members (except for the rucksack containing compulsory equipment which must be carried by each team member).
    - It is forbidden to use a rope or an elastic to drag his/her team mate:
      - during the first 15 min of the race
      - in couloirs
      - on ridges
      - during descents
- All this information will be furnished at the briefing
16. During descents, the rope (or elastic) must be put in the rucksack or hung around the waist
    - The organizers will control DVA/transceivers during the race.
  - If a DVA is found not to be in working order, **the athlete will be stopped and immediately disqualified.**
  - If an athlete is found not to be using safety equipment as/when required (crampons - lanyard - etc.), **he/she will be stopped and immediately disqualified.**
  17. Competitors must respect the environment. Penalties will be incurred by competitors seen littering the course or for having poor environmental conduct (see §6.1).
  18. Award winners, for all races and all categories, must without fail be present at the prize-giving ceremony or they will incur penalties (see §6.1).

## 5.4 The finish

The finish shall proceed as follows:

- if the race uses an electronic timing system, then times and finishing order is established by this system;
- if the race does not use an electronic timing system, then times and finishing order is established when the competitor's front foot crosses the finish line (photo finish, film, etc.);
- if a competitor falls while crossing the finish line, all of his/her body must cross the line without any outside help (except for team-mates in team races) in order to declare a finish;
- for team races, team-mates must finish together and the team's finishing time is that of the second team-mate;
- upon arrival, and under the responsibility of the race jury, the controllers will carry out a complete control of the contents of the competitor's rucksacks and other equipment;
- a podium with the first three competitors will take place shortly after their arrival for press coverage; The athletes are allowed to have their race equipment on this podium.
- in the event of anti-doping controls, competitors must submit to tests or be liable to sanctions;
- all competitors must use the rubbish bags provided for disposal of all waste material.



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- In case of anti-doping test, an escort authorized by the ISMF shall escort the racer to the medical control area (the person must be of the same sex as the racer).
- Every competitor has to be able to present a passport or national identity card at the finish line if required.

### 5.5 *Safety / Event stoppage*

The race director, after having informed the president of the race jury, can stop the competition for safety reasons or sporting fairness. A report of the decision will be drawn up immediately.

## 6. ESTABLISHMENT OF RESULTS

---

The results of each race are established by the LOC, approved by the chairman of the race jury and displayed as and when competitors finish. Ranking is carried out by adding the finishing time to any penalties incurred by the jury.

If there are no means to decide between competitors, then a tie is declared.

Championship, cup and permanent international rankings are treated as described in "ISMF Rank regulations".

For the Sprint race

- 1<sup>st</sup> - 6<sup>th</sup> place: position from the final
- 7<sup>th</sup> - 12<sup>th</sup> place: Semi-finalists non-qualified for the final round. Ranked by semi-final place then by qualification time (to rank the two athletes ranked the same place in both semi-finals).
- 13<sup>th</sup> - 30<sup>th</sup> place: Quarter-finalists non-qualified for semi-final round. Ranked by quarter-final place then by qualification time (to rank the four athletes ranked the same place in the four quarter-finals).
- 31<sup>st</sup> and more: ranked by qualification time

Final Lucky loser: No lucky loser for the final, the first three racers in each semi-final go into the final.

Semi-final lucky loser designation: the two best qualification times amongst racers coming in third place during their quarter-final.

### 6.1 Offences and penalties

---

Any offences committed by competitors are communicated by the referee to the race director who informs the chairman of the jury.

Penalties are imposed by the chairman of the jury after consulting with the race jury, according to the tables listed hereafter.

For team competitions, penalties incurred by one team member also apply to other team member(s).

If possible the chairman of the jury informs those competitors and/or teams who have incurred penalties, before results are announced. Competitors / teams may appeal (see ISMF Disciplinary Rules).

Disciplinary procedures are described in "ISMF Disciplinary Rules".

**A. EQUIPMENT**

Any compulsory equipment required by the jury replaced during the race or lacking at a checkpoint or at the finish (except for broken ski poles/ski given to a checkpoint referee or assistant). Penalties are given for each piece of missing equipment (cumulative).

#	Offences	Penalties	
		Team and individual races	Vertical, sprint and relay races
1	Skis not in compliance with regulations	disqualification	disqualification
2	Ski weight	disqualification	disqualification
3	Bindings not in compliance with safety regulations	disqualification	disqualification
4	Bindings from 2 different manufacturers.	disqualification	disqualification
5	Boots not in compliance with regulations	disqualification	disqualification
6	Boots from 2 different manufacturers without official agreement	disqualification	disqualification
7	Boots weight	disqualification	disqualification
8	Modified boots	disqualification	disqualification
9	Boot sole not in compliance with regulations	disqualification	disqualification
10	Boots with adhesive tape	disqualification	disqualification
11	Missing pole(s) or ski at finish line	1 min per pole or per ski	15 sec per pole or per ski
12	No skins at the finish line (2 skins compulsory)	1 min 30 sec per skin	15 sec/skin
13	Clothes : per each missing item	3 minutes	15 sec
14	Short sleeves – per item - except close body layer (1 <sup>st</sup> layer).	1 minute	15 sec
15	No DVA, or without battery, or put away in the rucksack.	disqualification for the rest of the season	disqualification for the rest of the season
16	DVA out of order at the finish line (after a fall for example)	3 min	15 sec
17	DVA switched off during the race	disqualification	disqualification
18	DVA switched off after the passage of the finish line, before the equipment control	3 min	15 sec
19	Use of a basic emitting device instead of an avalanche transceiver during the race	disqualification	disqualification
20	Helmet not in compliance with regulations	disqualification	disqualification
21	Helmet not correctly worn, when required	disqualification	disqualification
22	No snow shovel, or one not in compliance with the regulation, or modified	disqualification	disqualification
23	No snow probe, or one not in compliance with the regulation, or modified	disqualification	disqualification
24	Missing or modified survival blanket	3 minutes	15 sec
25	No gloves	3 minutes	15 sec
26	Gloves not worn correctly during the race	1 minute	15 sec
27	No sun glasses	1 minute	15 sec
28	Rucksack not in compliance with regulations	3 minutes	15 sec
29	Missing crampons at the finish line	2 minutes per crampon	DNA (Does Not Apply)
30	Modified crampons or no straps	disqualification	DNA
31	Crampons with an elastic as a strap	disqualification	DNA
32	No harness, no lanyard, no karabiners « Klettersteig »	disqualification	DNA
33	No ski cap or headband	1 minute	15 sec
34	Missing head torch	5 min	15 sec
35	Head torch non switched on	3 minutes	15 sec
36	Modified rope or not in compliance with regulations	disqualification	not compulsory
37	Chip or electronic system missing at the start	3 minutes	15 sec
38	Chip or electronic system missing at the finish line	1 minute	15 sec
39	Infringement of any other rules not cited above	30 seconds to disqualification	30 seconds to disqualification



**B. BEHAVIOR**

Ignoring correct racing technique required for a given section of the course, disrespect of marking and of course itinerary, any actions considered to be dangerous or jeopardising race safety or the proper running of the race, unsportsmanlike conduct.

#	Offences		Penalties	
			Team and individual races	Vertical, sprint and relay races
1	False start	Second	1 minute	
2	Voluntary or involuntary - missing out checkpoint and/or waypoint including missing a slalom gate during sprint downhill		disqualification	disqualification
3	Disregarding instructions given by an official on the course (at the start, at checkpoints or waypoints, at the finish). Penalties awarded according to offence		See the offence	See the offence
4	Walking on foot, on an ascent ski track		3 minute	15 sec
5	Skiing down a section indicated as being on foot		disqualification	disqualification
6	Walking without crampons on a section where crampons are compulsory		disqualification	disqualification
7	Not following the correct route on a ridge		disqualification	disqualification
8	Not respecting the course marking in ascent and descent		disqualification	disqualification
9	Incorrect fastening of skis on the rucksack (less than 2 fastening points)		1 minute	15 sec
10	Removable anti-slipping skins not kept inside the ski suit or rucksack		1 minute	15 sec
11	Crampons without straps clipped on the ankles		5 minutes	DNA
12	Crampons outside the rucksack		5 minutes	DNA
13	Crossing the exit of a checkpoint or waypoint without having correctly fastened skis on the rucksack		1 minute	15 sec
14	Not holding on to fixed rope as required		3 minutes	DNA
15	Not clipping the karabiner to a compulsory rope		disqualification	DNA
16	Progressing or overtaking dangerously in a dangerous place (ridge, fixed rope)		disqualification	DNA
17	Not yielding the track or disrespecting finish area skating corridor rules		1 minute	15 sec
18	Pushing, shoving, or making another competitor fall		disqualification	disqualification
19	Not rendering assistance to a person in distress or in danger		disqualification	disqualification
20	Receiving outside help: except for changing broken ski and/or poles		disqualification	disqualification
21	Receiving help with equipment		disqualification	disqualification
22	Receiving food and/or drinks elsewhere than at official areas		disqualification	disqualification
23	Receiving help during skin changes, or during ascents or descents		disqualification	disqualification
24	Disrespecting the environment (abandoning equipment or littering, outside a checkpoint or a waypoint)		disqualification	disqualification
25	Disrespecting or insulting anyone participating in the event (jury, officials, competitors, organisers, spectators, etc.)		disqualification	disqualification
26	Competitors not present at the temporary finish podium at race finish or at the prize-giving ceremony (medical reasons or proof of flight time and without authorization of the President of the jury)		The whole prize-money will be withdrawn, provided that the prize-giving ceremony is celebrated in the scheduled place and time. The prize-money will be kept if the scheduled place and time of the prize-giving ceremony is not respected by the organizers.	
27	Infringement of any other rules not cited above		30 seconds to disqualification	15 seconds to disqualification





C. SPECIFIC PENALTIES FOR TEAM RACES		
#	Offences	Penalties
1	Team members not all together when leaving a checkpoint and not following instructions given by the referee.	2 minutes
2	Team member not carrying own equipment in own rucksack throughout the duration of the race or at the finish line (exception for skis). Penalties for each item of equipment : See equipment	disqualification
3	Team with a competitor without a rucksack	disqualification
4	Competitor carrying a team-mate's skis without fastening them correctly to rucksack	1 minute
5	The members of a team must not be separated by: - more than 30 seconds in ascents - more than 10 seconds in descents All teams will be subject to surprise inspections throughout the course.	3 minutes
6	Interval of more than 5 seconds between the members of a team on the finishing line	In the event of intervals exceeding 5 seconds between team members, each excess second will incur a penalty adding the same amount of seconds E.g.: 15 second interval = 10 excess seconds. Penalty = 10 excess sec + 10 penalty sec = 20 sec. Interval of 1 min 5 sec = + 1 min Penalty = 1 excess min + 1 penalty min = 2 min.
7	Using a rope (elastic) on a part of the course where it is strictly forbidden	3 min
8	The rope or the elastic not put away in the rucksack or tied on around the waist	3 min

D. SPECIFIC PENALTIES FOR RELAY RACE		
#	Offences	Penalties
1	Incorrect relay hand-over (defined in the regulations)	disqualification
2	The same competitor races 2 legs	disqualification



## 6.2 Results in the event of race stoppage

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Ranking will be established according to times and orders at the last checkpoint passed by the first competitors. Competitors who have not yet reached this checkpoint will be ranked according to their times and order at preceding checkpoints.

A world cup race that is stopped does not count towards world cup ranking. Any results corresponding to a stopped race will not be used for calculations for the permanent world ranking.

## 6.3 Claims

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All claims must be submitted in writing:

- by the team head (or the competitor if he/she registered directly through the LOC – ISMF certified race);
- submitted to the chairman of the jury;
- at the latest 15 minutes after race results are posted;
- accompanied by an amount equivalent to 50 Euros, payable to ISMF. This sum is not refunded when the outcome is to the competitor's disadvantage.

The President of jury will present a detailed and motivated written response within one hour of the claim.

Competitors may appeal, according to the disciplinary procedures described in ISMF Disciplinary Rules.

The jury of the last race will receive claims related to the final world cup ranking.

**For the Sprint race:** The time in which to make a claim is three (3) min after posting the official heat results which must be signed and dated by the President of the Jury.

In case of a complaint, the standard procedure is applied.

After the race, any appeals by coaches or athletes regarding decisions taken by the jury, will be entrusted to the Court of Arbitration for Sport in Lausanne.

## 6.4 Podiums

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The winners of each category receive awards (see Rules for organising international ski mountaineering competitions). Team heads must make sure that award-winners wear the official dress of their nation and are present at the prize-giving ceremony.

In case of absent award-winners:

1. The whole prize-money will be withdrawn, provided that the prize-giving ceremony is celebrated in the scheduled place and time.
2. The prize-money will be kept if the scheduled place and time of the prize-giving ceremony is not respected by the organizers.

Podiums for ISMF competitions will take place before any other podiums.

It is strongly recommended to hold official ISMF prize-giving podiums before 2 pm.

During the official ceremony of medals award and anthems playing, the athletes are not allowed to have the equipment of their manufacturer.

Following this ceremony, there will be a moment scheduled for this purpose.

## 7. DOPING

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Doping is strictly prohibited.

*(See Anti-Doping regulation)*



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## 8. Appendix 1: Claim form

- Only written claims on official ISMF forms submitted before the appropriate deadline will be accepted by members of the race jury.
- All claims must be accompanied by the sum of 50.00 € (or the equivalent in Euros of the currency of the host country).
- A separate claim form must be completed for each incident and each form accompanied by the sum stated in the regulations.
- The person that submits a complaint must support his/her arguments by quoting specific points of the regulation.

Exact name of the race: .....

Organised by: National Federation .....

Club or association .....

Kind of race: World Championship ☐ Continental Championship ☐  
World Cup ☐ ISMF Certified Race ☐

Men ☐ Women ☐  
Senior ☐ Espoir ☐ Youth ☐

Individual race ☐ Team race ☐ Sprint ☐  
Vertical race ☐ Relay ☐

Exact date of the event: .....

### Claim

Name of person in charge of filing the claim	
Federation	
Telephone N°	

### Athletes involved

Name(s) of athlete(s) involved	Number



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## Exact account of events

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At ....., on .... / .... / ..... (exact time ..... (hour + min))

Signature

## Decisions of the jury

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At ....., on .... / .... / ..... (exact time ..... (hour + min))

The President of the jury

## 9. Appendix 2: ISMF snow probe standard

The manufacturer has to define the probe as a “rescue snow probe” and make a self-certification confirming that it meets this ISMF standard:

- Minimum external diameter: 10 mm
- Minimum total length: 240 cm
- When loaded without shock with a mass of 3 kg as in figure 1, the probe shall not break or leave permanent deformations and shall not go out of the supports or hooks the supports (with certain models, the locking system or the metallic point are prominent and they prevent the exit of the supports).

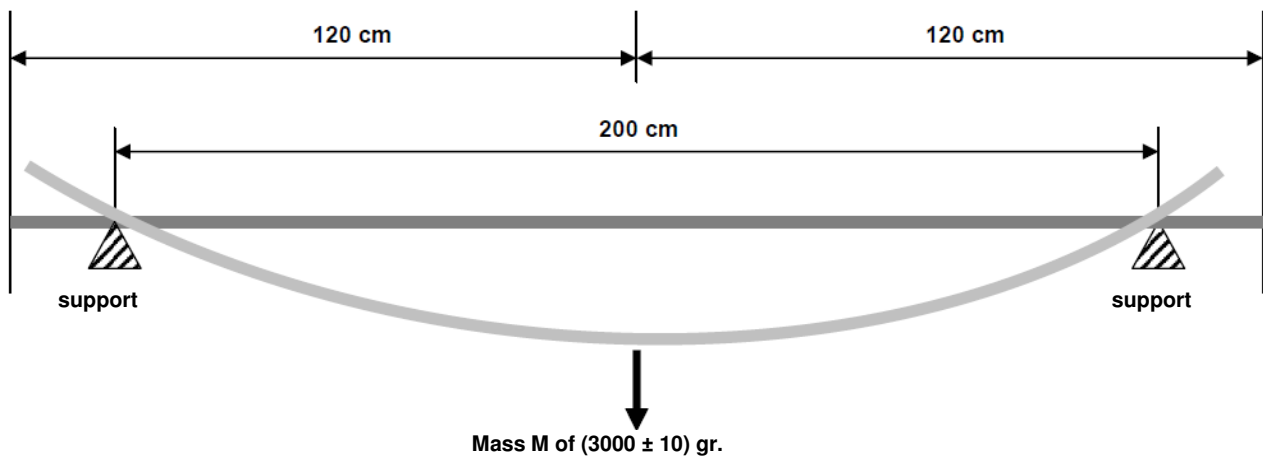


Figure 1

- When loaded without shock with a mass of 20 kg as in figure 2, the probe shall not break and the different parts of the probe shall still fit one inside of the other.

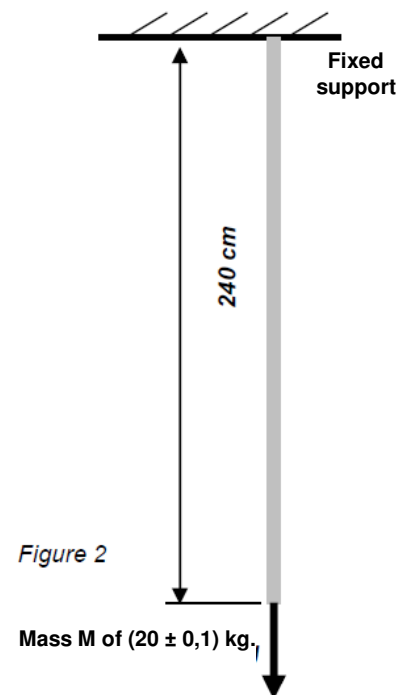
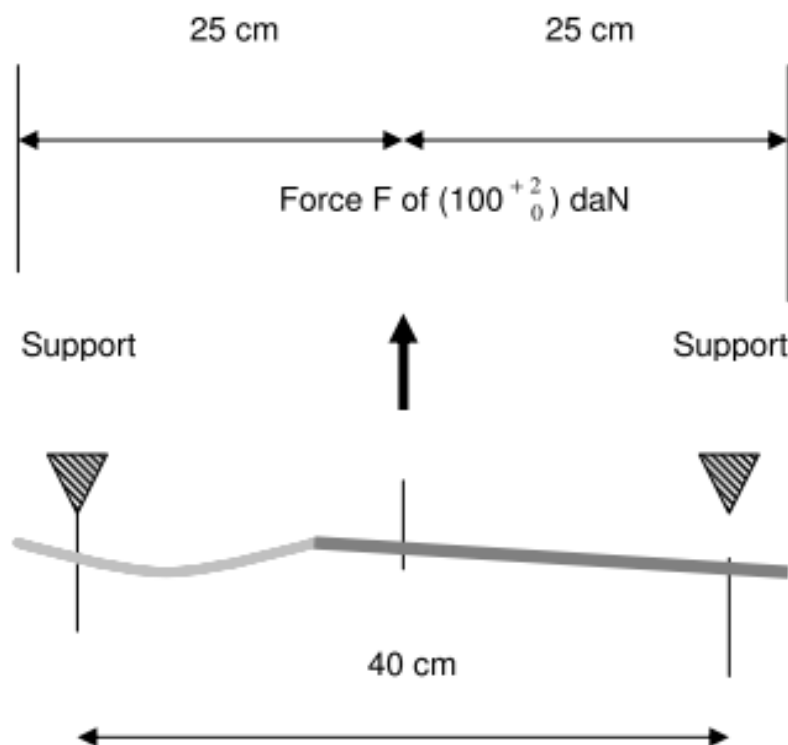


Figure 2

## 10. Appendix 3: SHOVEL STANDARD

- A snow shovel in compliance with the ISMF standard here stated, defined by the manufacturer as a "rescue snow shovel".  
The equipment concerned directly with safety cannot be modified; **except for modifications performed or authorized by the manufacturer.**  
The manufacturer has to define the shovel as a "rescue snow shovel" and make a self-certification confirming that it complies with the ISMF standard:
- Minimum shovel surface including a square of 20 cm x 20 cm.  
Test method: put a piece of 20 X 20 cm cardboard under the shovel: no part of the cardboard must be visible.
- Minimal total length of the shovel in working configuration: **50 cm.**
- The shaft has to end in a T or L shape, so the athlete is able to push down /lever the handle
- The test sample for the strength test shall be conditioned for at least 1 h at  $(-20 \pm 3) ^\circ\text{C}$ . The test shall be carried out at  $(23 \pm 5) ^\circ\text{C}$ . The test shall begin within 2 min from removal of conditioning.
- Strength test: When loaded with a speed of  $(100 \pm 10) \text{ mm/min}$  as in figure 1, the shovel shall be capable of withstanding a static force of at  $(100^{+2}_0) \text{ daN}$  over a period of  $(60 \pm 5) \text{ s}$ .  
The test sample shall not break, nor go out of the supports, and no permanent deformations are admitted on any part of the shovel.

Figure 1





## **B. RANKING RULES & REGULATIONS FOR INTERNATIONAL SKI MOUNTAINEERING COMPETITIONS**



## 1. APPROVED EVENTS

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Only events that meet the following requirements will be taken into account for ISMF rankings:

- event announced in the international ISMF calendar;
- participation of at least 3 athletes;
- compliance with ISMF regulations.

## 2. MEANS OF RANKING

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### 2.1. Place points

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The following points are awarded to competitors and teams depending on their results for each race in which they participate.

Individual Race / Team Race / Vertical Race / Sprint Race - World Cup

Place	Points	Place	Points	Place	Points
1	100	13	33	25	11
2	90	14	30	26	10
3	81	15	28	27	9
4	73	16	26	28	8
5	66	17	24	29	7
6	60	18	22	30	6
7	55	19	20	31	5
8	50	20	18	32	4
9	46	21	16	33	3
10	42	22	14	34	2
11	39	23	13	35	1
12	36	24	12		

### 2.2. Time points

---

In order to decide between competitors or teams that have the same final ranking points (same final number of place points), race times will be taken into account. In the event of a tie, the final ranking will be determined by the addition of time points. Time points depend on the ratio between the competitor's time and the winner's time (percentage). If the competitor's time points are identical, then the tie will not be broken.

Time points are calculated as follows:

$$Px = T1/Tx \times 100$$

Tx = time of the competitor or team X, in seconds

T1 = time of the winner (individual or team), in seconds

Px = Time points of competitor or team X

Times are to the second, and percentages to the nearest hundredth.

**For example:** Competitor A wins the race in 2 hrs 00'00", competitor B finishes second in 2 hrs 03'30" and competitor X is 30<sup>th</sup> in 2 hrs 15'45". The results of the race are:

A: place points = 100; time points = 100.00

B: place points = 95; time points =  $7200 / 7410 \times 100 = 97.16$

X: place points = 51; time points =  $7200 / 8145 \times 100 = 88.39$





### 3. RANKINGS

#### 3.1. Continental and world championships

##### 3.1.1. Country ranking

Country ranking is calculated by summing the place points of competitors who count for country ranking

The number of competitors taken into account for country ranking and the coefficients allocated for each event are detailed in the table below.

For the espoir category, only PPs awarded in espoir ranking are taken into account.

For example, if during an individual event, an espoir finishes 1st in the espoir ranking and 3rd in the senior ranking and is 1st for his/her country in both espoir and senior categories, then his/her place points from the espoir ranking count with a coefficient of 1, whereas the place points of the senior competitors from the same country who finished 2nd count with a coefficient of 1.

Type of event	Individual		Team	Vertical Race		Relay		Sprint	
	Seniors Men & Women	Espoir, Juniors & Cadets Men & Women	Seniors Men & Women	Seniors Men & Women	Espoir, Junior and Cadet Men & Women	Seniors Men & Women	Youth relay event	Seniors Men & Women	Espoir, Junior and Cadet Men & Women
Coefficient	1	1	1	1	1	1	1	1	1
Number of competitors/teams that count towards country ranking, men and women	1	1	1	1	1	1	1	1	1

Country ranking points

= (sum of place points of the country's first individual male senior competitors)  
 + (sum of place points of the country's first individual female senior competitors)  
 + (sum of place points of the country's first individual male espoir competitors)  
 + (sum of place points of the country's first individual female espoir competitors)  
 + (sum of place points of the country's first individual male junior competitors)  
 +... etc. -  
 Countries can tie.

##### 3.1.2. Combined senior championship ranking

Combined senior championship rankings are calculated by adding the place points obtained by senior competitors (both for men and women) from the 3 best results out of the 4 following races: Team, Individual, Vertical, and Sprint Race.

**Senior men combined ranking points** = PPs for Individual races + PPs for Team races + PPs for Sprint races + PPs for Vertical races – PPs of the worst result out of the 4 races. In the event of a tie, the final ranking is determined using time points.

#### 3.2. Continental cups

The continental cups follow the same rules as the world cups (see section 3.3 down below) the only difference being that:

- Only competitors from the host continent are ranked in their continental cup. Competitors from other continents can only participate in these races if they are open.



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- If the competitor and/or team are from the continent hosting the cup, then their place points count towards the continental cup ranking and permanent world ranking.
- If the competitor and/or team are not from the continent hosting the cup and if the event is open, their place points count towards the permanent world ranking.
- In order to be ranked in a continental cup, competitors/teams must:
  - o come from the hosting continent;
  - o have participated in at least one of the races that count for ranking.

### 3.3. World cups

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#### 3.3.1 General principles

In order to be ranked in a world cup, competitors/teams must:

- have participated in at least one race that counts towards the world cup;
- be a current ISMF licence holder.

Cadets cannot participate or be ranked in a world cup race.

The race results that count towards world cup ranking are:

- Team World Cup races for men and women in senior, espoir, junior categories;
- Individual world cup races for men and women in senior, espoir, junior categories;
- Sprint and vertical world cup races for men and women in senior, espoir, junior categories;
- Individual, team, sprint and vertical races of the world championships for men and women in senior, espoir, junior categories..

#### 3.3.2 Individual world cup ranking for seniors, espoirs and juniors

The winner of the individual ski mountaineering World Cup is the competitor who accumulates the most place points during the races of all individual cup events (including the World Championships - Individual Race) in his/her category. All the races are taken into account for the calculation of the final individual ranking. This is an individual ranking. In the event of a tie, the final ranking will be determined using time points.

Ranks will be determined after at least 3 races.

#### 3.3.3 Vertical Race world cup ranking for seniors, espoirs and juniors

The winner of the vertical ski mountaineering World Cup is the competitor who accumulates the most place points during all Vertical Race events (including the World Championships - Vertical race) in his/her category. All the races are taken into account for the calculation of the final Vertical Race ranking. This is an individual ranking. In the event of a tie, the final ranking will be determined using time points.

Ranks will be determined after at least 3 races.

#### 3.3.4 Sprint Race world cup ranking for seniors, espoirs and juniors

The winner of the sprint ski mountaineering World Cup is the competitor who accumulates the most place points during all Sprint events (including the World Championships - Sprint race) in his/her category. All the races are taken into account for the calculation of the final Sprint ranking. This is an individual ranking. In the event of a tie, the final ranking will be determined using time points.

Ranks will be determined after at least 3 races.

#### 3.3.5 Overall world cup ranking for seniors, espoirs, juniors, men and women

The winner of the overall World Cup is the competitor who accumulates the most place points during the races of all Individual / Team / Vertical and Sprint world cup races (including the World Championships - Individual, Team, Vertical and Sprint races).

It is an individual ranking. In the Senior category, the final ranking takes all the season's races into consideration.

In Espoir and Junior Men and Women categories, the ranking will be based on at least 3 events.

This is an individual ranking. In the event of a tie, the final ranking will be determined using time points.



### 3.4. General principles for team races in World/continental Cups

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To be ranked the teams must respect the following rules :

Men's team = team composed of 2 men

Women 's team =team composed of 2 women

Categories: In Team events only the following may participate as teams:

- Composition Senior Team = any athlete 18 years old ( during the year of the race) or over ,(the team is automatically ranked in the senior category, no matter the age of the 2 teammates)
- Composition Junior Team = Junior athletes only
- Composition Cadet Team = Cadets athletes only
- A racer holding a valid ISMF licence who teams up with a racer who does not have an ISMF licence for the current year, is not eligible to receive classification points.
- The 2 members of the team must have the same nationality and belong to the same federation. All other team composition will be rejected.

### 3.5 Permanent men's and women's world ranking

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#### 3.5.1 Concepts and provisions

Permanent world rankings are established to represent sporting excellence.

This ranking is based on the results of senior men and women competitors over various ISMF ski mountaineering events.

This is an individual ranking.

#### 3.5.2 Establishing the ranking

Throughout each sporting season, all senior competitors gain place points (PPs) for each event announced in the ISMF calendar. Each competitor's place points are multiplied by the event coefficient = value attributed to the race depending on the previous ranking of the best athletes to finish.

The ranking is updated following each event.

Points become void 1 year and 1 day after having been obtained.

##### 3.5.2.1 Continental ranking

For continental ranking, only the following races are taken into account:

- Continental senior championship events;
- Continental senior cup events;
- Open events that take place on the continent in question.

Senior competitors are only ranked in the international ranking of their continent.

##### 3.5.2.2 Permanent world ranking

All ISMF certified races count for the permanent world ranking.

All competitors gain points (whether or not ISMF licence holders).

N.B. for continental championship and cup results: if the competitor and/or team are not from the continent and if the event is open, their place points count towards the permanent world ranking. If the event is not open, these competitors cannot register to participate.

## 4. METHOD FOR CALCULATING RACE POINTS

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Competitors start a race with a given number of points, obtained in previous races; these points are their "reference points".

Only competitors ranked upon arrival are taken into account.

Whether the race is an individual race or a team race, only individual positions are used (1 team = 2 individuals).



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For men, calculations are based on the 20 best ranked competitors with the most points in the world ranking.  
For women, calculations are based on the 10 best ranked competitors with the most points in the world ranking.

Using the World Cup point grid, the competitor coefficient is applied:

The total for the 20 first men is of 1480 points.

If the winner is among the 20 best of the World Ranking ranked upon arrival, he gains 100 points.

His competitor coefficient is  $100 / 1480 = 0.0675675$

If the runner-up is among the 20 best of the World Ranking ranked upon arrival, he gains 95 points.

His competitor coefficient is  $95 / 1480 = 0.0641891$

If the twenty-fifth to finish is among the 20 best of the World Ranking ranked upon arrival, he gains 56 points.

His competitor coefficient is  $56 / 1480 = 0.0378378$

The total for the 10 first Women is of 825 points.

The coefficients of the 20 best men of the world ranking ranked upon arrival are summed.

If the 20 first men to finish are the 20 best of the world ranking, then the competitor coefficient for men is equal to 1.

By adding all their percentages, the race coefficient is obtained. This coefficient depends on the quality of the competitors that finish the race (maximum = 1.00).

The method for calculating time points is maintained.

The winner gains 100 points, the 2nd gains (winner's time / 2<sup>nd</sup> time) x 100.

#### Race points:

Race points are obtained by multiplying time points by the race coefficient.

There can be a tie.

## 5. RESULT MANAGEMENT / WORLD CUP RANKINGS / WORLD AND EUROPEAN CHAMPIONSHIPS

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The ISMF Rankings Secretary is responsible for establishing world cup and world and European championship results and rankings.

He/she must:

- Update, with help from ISMF headquarters, computerized data on the competitors participating in events;
- Update, with help from ISMF headquarters, the rankings of previous races;
- Update official rankings (cups, championships, etc.);
- Post the ranking on the Internet and send a copy to the head of the judge's commission, the technical director and ISMF headquarters;
- Provide LOCs with the list of competitors with licences from each National Federation a week before the competition and then again 24 hrs before the competition;
- Request help from LOCs to set up and coordinate the computerized system by which he/she can immediately receive the results of an event;
- Obtain computerized race rankings within the shortest possible time period;
- Supply a copy of race rankings to each person in charge of competitors from competing countries.

He/she must be present at:

- world cup finals;
- world and European championships.

On all other events, event organisers will hand the official ranking to the ISMF delegate or technical representative who will subsequently communicate it to the Rankings Secretary and ISMF headquarters at the end of the race by urgent e-mail.

## 6. MANAGEMENT OF PERMANENT WORLD RANKING

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A person other than the ISMF Rankings Secretary will be in charge of updating the Permanent World Rankings.

He/she must:

- Update, with help from ISMF headquarters, computerized data on the competitors participating in events;
- Update, with help from ISMF headquarters, the rankings of previous races;
- Post the ranking on Internet and send a copy to the head of the Referees commission, the technical director and ISMF headquarters;
- Request help from LOCs to set up and coordinate the computerized system in order to immediately receive results after an event



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- Obtain computerized race rankings within the shortest possible time period.

Event organisers must communicate the official rankings to this person at the end of the race by urgent e-mail.

## 7. RANKINGS CLAIMS

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ISMF technical director will receive and deal with any claims concerning rankings. Claims must be submitted in writing by a National Federation.

The National Federation may appeal, according to the procedures stated in the disciplinary rules in the internal regulations of ISMF.



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## 8. APPENDIX 1: RELATIONS BETWEEN THE CATEGORIES AND RACES OR RANKINGS IN WHICH COMPETITORS CAN PARTICIPATE IN SKI MOUNTAINEERING COMPETITIONS

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	Cadet M&W	Junior M&W	Espoir M&W	Senior M&W
Individual Continental Cup Events	X	X	X	X
Individual Continental Cup Ranking	X	X	X	X
Overall Continental Cup Ranking	X	X	X	X
Individual World Cup Events	X	X	X	X
Individual World Cup Ranking	X	X	X	X
Team World Cup Events	X	X	X	X
Overall World Cup Ranking	X	X	X	X
Individual Continental Championship	X	X	X	X
Continental Vertical Race Championship	X	X	X	X
Continental Sprint Championship	X	X	X	X
Continental Team Championship				X
Continental Relay Championship	X		X	
Combined Continental Ranking				X
Continental Championship Ranking by Country	X			
Individual World Championship	X	X	X	X
Vertical Race World Championship	X	X	X	X
Sprint World Championship	X	X	X	X
World Team Championship				X
World Relay Championship	X		X	
Combined World Ranking				X
World Championship Ranking by Country	X			
Continental Ranking				X
Permanent World Ranking				X
ISMF Certified Races	X	X	X	X