The ISIA Minimum Standard

Guidelines for Safety

And something more

ISIA CONGRESS KRAKOW 2012

Why safety?

As every human activity, snowsports involve a certain degree of risk

Snowsports teachers‘ role

To make sure

that the risk level is

close to 0 and the

customers enjoy their

activities and stay safe

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ISIA Minimum Standard for Safety

- **2.2. Safety on and off-piste**
  (ISIA performance **level 2**)

- **3.2. ISIA test safety**
  (ISIA performance **level 3**)

ISIA Safety events 2011-12

Budapest – 10th – 11th of October 2011

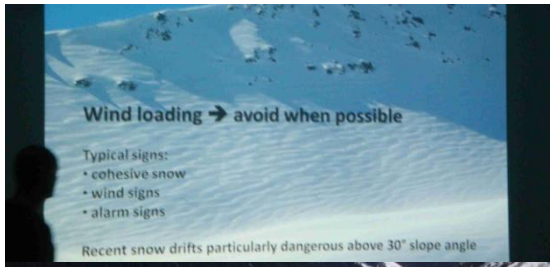
- 22 Nations
  Andorra, Argentina, *Bulgaria*, Czech Republic, Finland, *Germany*, *Great Britain*, Greece, Hungary, *Ireland*, *Italy*, Japan, Poland, *Romania*, Russia, *San Marino*, Slovakia, *Slovenia*, Spain, Switzerland, *The Netherlands*, United States of America

- *Proceedings* on line on the ISIA events page 2011
  http://www.isiaski.org/en/6/2011.html

Safety areas in snowsports

Davos ISIA Safety Event

ISIA Safety events 2011-12



Davos – 29th of March – 1st of April 2012

- 19 Nations
  Andorra, Bulgaria, Czech Republic, Finland, Germany, Great Britain, Ireland, Israel, Italy, Montenegro, New Zealand, Norway, Poland, Romania, Russia, San Marino, Slovenia, Switzerland, The Netherlands

- 2 days meeting on snow and by the SLV

Questions to address

- What are the skills to assess in the ISIA Minimum Standard for Safety?
- How to assess such skills?
- How long the courses should be?
- Who can deliver safety courses and assess?
- Outcomes for the Snowsports Teacher?

ISIA MinimumStandard for Safety

2.2. Safety on and off-piste

The candidate must be able to assess winter and mountain hazards (weather, avalanches and terrain) correctly, respond and behave appropriately, and be able to take immediate action in the event of an accident.

The candidate will be familiar with and able to implement FIS rules.

(ISIA performance **level 2**)

ISIA MinimumStandard for Safety

3.2. ISIA test safety

The candidate will be able to plan and undertake off-piste runs with guests (not glacier or rock runs) **independently**.

S/he will be familiar with the necessary equipment (compass, altimeters, geographic maps, avalanche transceivers, probe poles etc.) and methods for analysing the avalanche situation, and will be able to draw the necessary conclusions. S/he will be able to read, understand and interpret avalanche bulletins and weather forecasts. In the event of an accident, s/he will be able to respond immediately, coordinate the rescue and provide first aid.

(ISIA performance **level 3**)

ISIA Stamp – skills for Safety

FIS rules knowledge

Ability to evaluate winter and mountain hazards

- weather
- terrain
- avalanches

Ability to behave in the proper way in case of accident

- group management and emergency calls
- support to rescue team (probing and heli platform preparation under guidance of experts)

(ISIA performance **level 2**)

ISIA Card – skills for safety

Ability to lead off piste independently

Ability to evaluate winter and mountain hazards

- weather
- terrain
- avalanches

Ability to behave in the proper way in case of accident

- group management and emergency calls
- **organise** rescue team (probe line and heli platform)

(ISIA performance **level 3**)

ISIA Safety– assessment

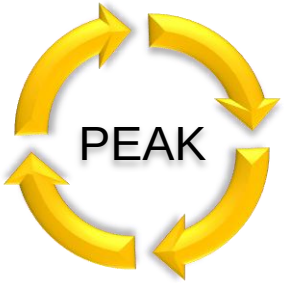
Equipment knowledge

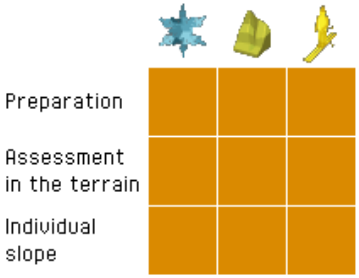
- Using touring equipment
- Maps and orienteering tools (compass, GPS…)

ISIA Safety– assessment

Leading a group off piste

- PEAK method
- 3X3 method
- Route selection and safe stopping spots.
- Basic navigation with instruments
- Being able to read a map, identify position and route on it
- Navigation without instruments

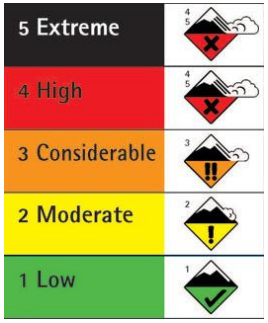




ISIA Safety– assessment

Avalanche and meteo awareness:

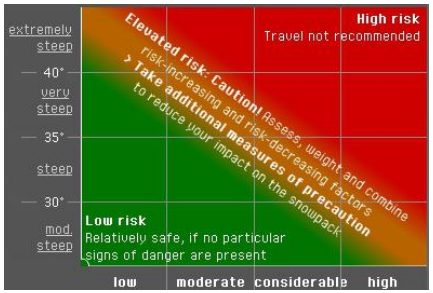
- Being able to interprete meteo forecast
- Being able to interprete avalanche report (1-5 scale)
- Graphic Reduction Method
- 3X3 method
- Interpreting on site info, including snow profile and
- Rutsch block test



Weather
How will the weather develop and what influence will it have on the avalanche danger?

Snow/snowpack
How much snow is there? What is the layering of the snowpack?

Danger plot
On which slope aspects, altitudes and terrain are the dangerous areas mostly located?



ISIA Safety– assessment

Transceiver Search

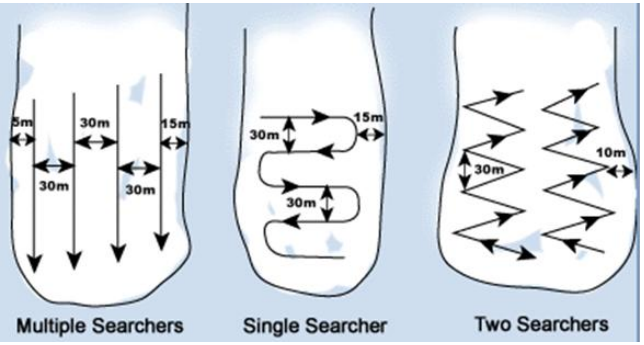
- Searching 1 transceiver, in 50x50m area, buried in sac 50-70cm, start out of range, search and probe for it in 4mins

- Searching 2 transceiver, in 25x25m area, buried in sac 100cm, start out of range, search and probe for it in 6 mins

ISIA Safety– assessment

Avalanche Search Organisation

- Being able to participate and collaborate in rescue operations, involving probe line,helicopter and incident report
- First aid
- Being able to organise and coordinate rescue Operations



ISIA Safety– assessment

Personal Performance off piste

- Continuous linked turns controlling speed and line in all off piste snow(powder, crust etc)

- **Legal aspects**

ISIA Safety– courses duration

-

  6 days of practical course
  +
  2 days of first aid course

-

  6 days practical course
  and
  possibly a logbook of ski touring experience

ISIA Stamp – outcomes

Instructors have the skills enabling them to

- lead off piste, inside the boundaries of an **organised ski area** (excluding glaciers),
  meaning the area served by lifts, and where it is possible to be back on piste directly, at any moment, with no need for other equipment, and where patrollers can easy intervene with an akia sledge;

- lead on marked ski itineraries.

NB: ALWAYS INSIDE THE LIMITS IMPOSED BY THE LOCAL LAWS!

ISIA Card – outcomes

Instructors have the skills enabling them to

- lead ski tours anywhere in the mountains on non-glacial terrain not involving the use of ice axe, crampons, rope or overnight stays.

- organise and lead rescue operations in case of need.

NB: ALWAYS INSIDE THE LIMITS IMPOSED BY THE LOCAL LAWS!

ISIA Safety – who can deliver

Courses organised under the National Snowsports Teacher Association (ISIA member),

Coordinated by

- International Mountain Guides

Summary ISIA Safety 2011-12

Budapest	Davos	Krakow	Feedback
Topic defined	On field action	Review	From members

References

- *Proceedings* of the ISIA safety event in Budapest
  http://www.isiaski.org/en/6/2011.html
- DSLV Protocol for the safety test
- This presentation

Feedback

Feedback	Adoption
From members	According to the members' feedback

To be submitted in writing

Deadline: 1st September 2012

Adoption: 1st November 2012

Minimum Standard Control

Quality control of the Professional Ski teachers with

1. ISIA Stamp
2. ISIA Card
3. ISIA Database

Outcome

Increase the professional level all over the world

Improve the profession image

Promote the reciprocal respect and trust

Members' status 2008

NATION	STAMP	CARD
Argentina	Yes	Yes
Austria	Yes	Yes
Belgium	Yes	Yes
Denmark	Yes	Yes
France	Yes	Yes
Germany	Yes	Yes
Great Britain	Yes	Yes
Japan	Yes	Yes
Italy	Yes	Yes
Netherland	Yes	Yes
Spain	Yes	Yes
Switzerland	Yes	Yes

Inspections 2011-12

Member NATIONS	STAMP	CARD
Andorra	Yes	**Candidate**
Finland	Yes	**Candidate**
Japan	Yes	Yes
Ireland	Yes	**Yes**
New Zeland	Yes	**Candidate**
Russia	Yes	**Candidate**

Observer NATIONS	STAMP	CARD
Korea	**Yes**	No
Latvia	**Candidate**	No
Macedonia	No	No
Ukraine	No	No

Applicants

Applicant NATIONS	Expressed interest	Handed in documents
Bosnia	Yes	**YES**
Albania	Yes	No
South Africa	Yes	No

The ISIA Database project

State at the 17th of May 2012

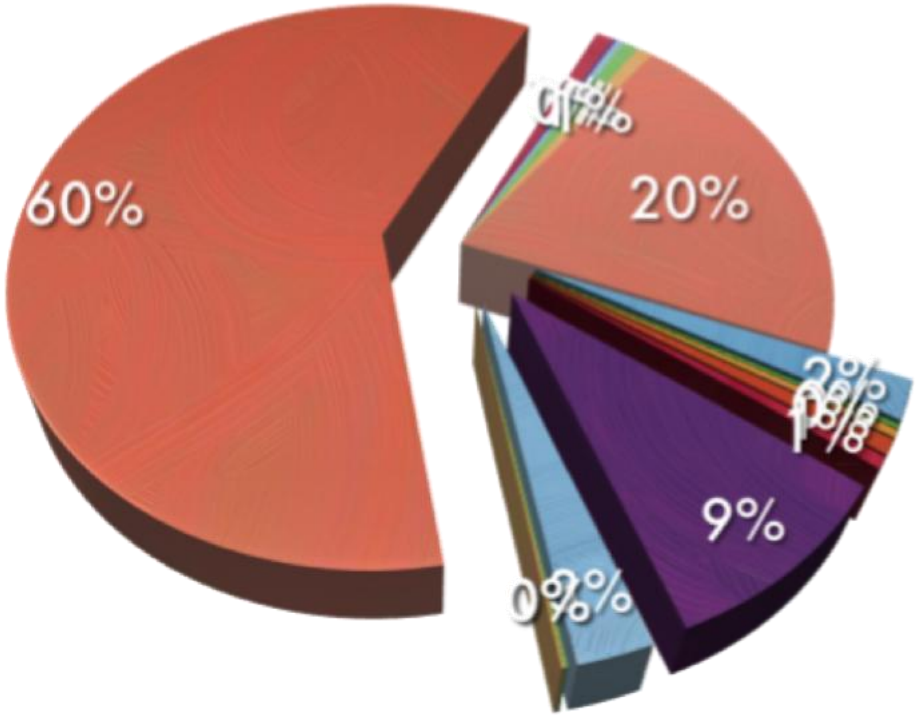
- Part of the Minimum Standard identification tools for the professional snowsports teachers
- Ratified by the ISIA DA – Jesolo, 22.05.2008

The ISIA Database project

~22000 names already inserted

1. Argentina
2. Bulgaria
3. Czech Republic
4. Denmark
5. Finland
6. Germany
7. Great Britain
8. Hungary
9. Ireland
10. Italy
11. Japan
12. New Zealand
13. Poland
14. Russia
15. San Marino
16. Switzerland

Distribution by country

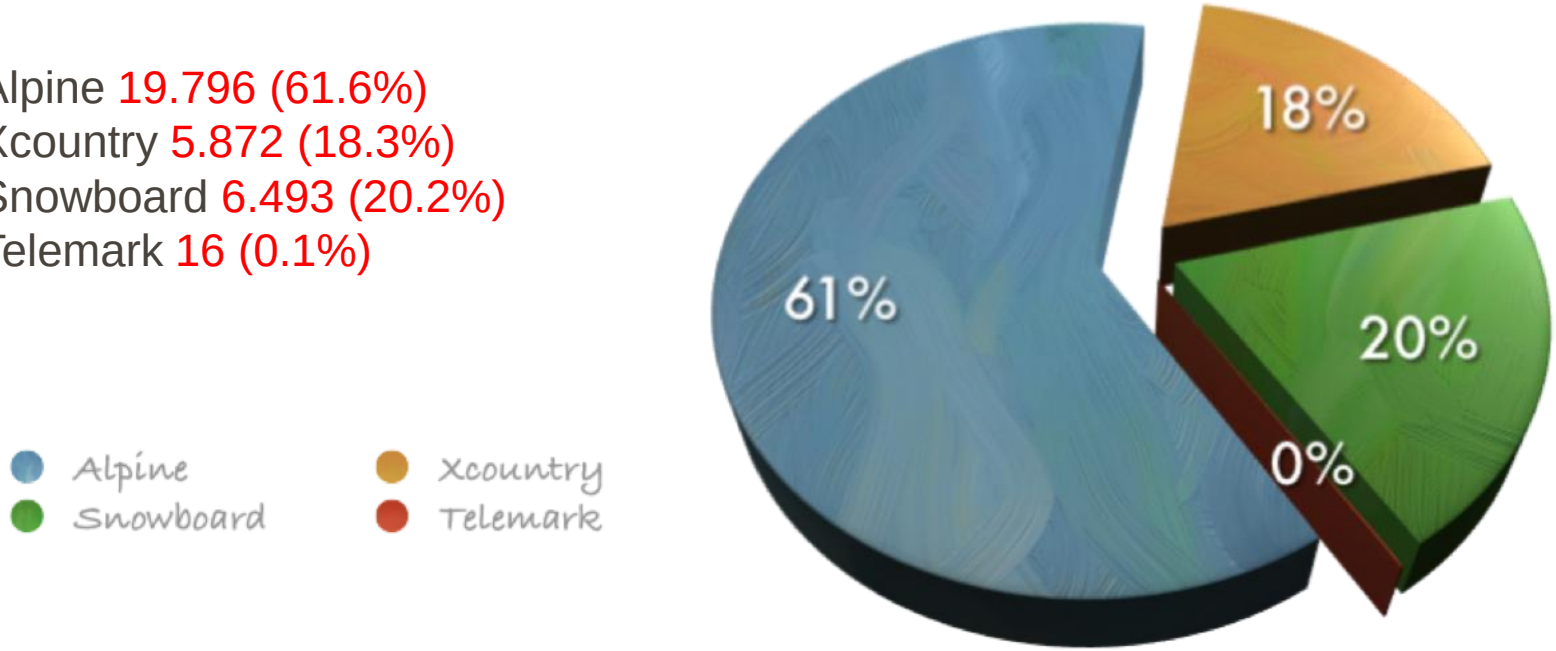


- Argentina
- Czech Rep.
- Finland
- Great Britain
- Ireland
- Japan
- Poland
- San Marino
- Bulgaria
- Denmark
- Germany
- Hungary
- Italy
- New Zealand
- Russia
- Switzerland

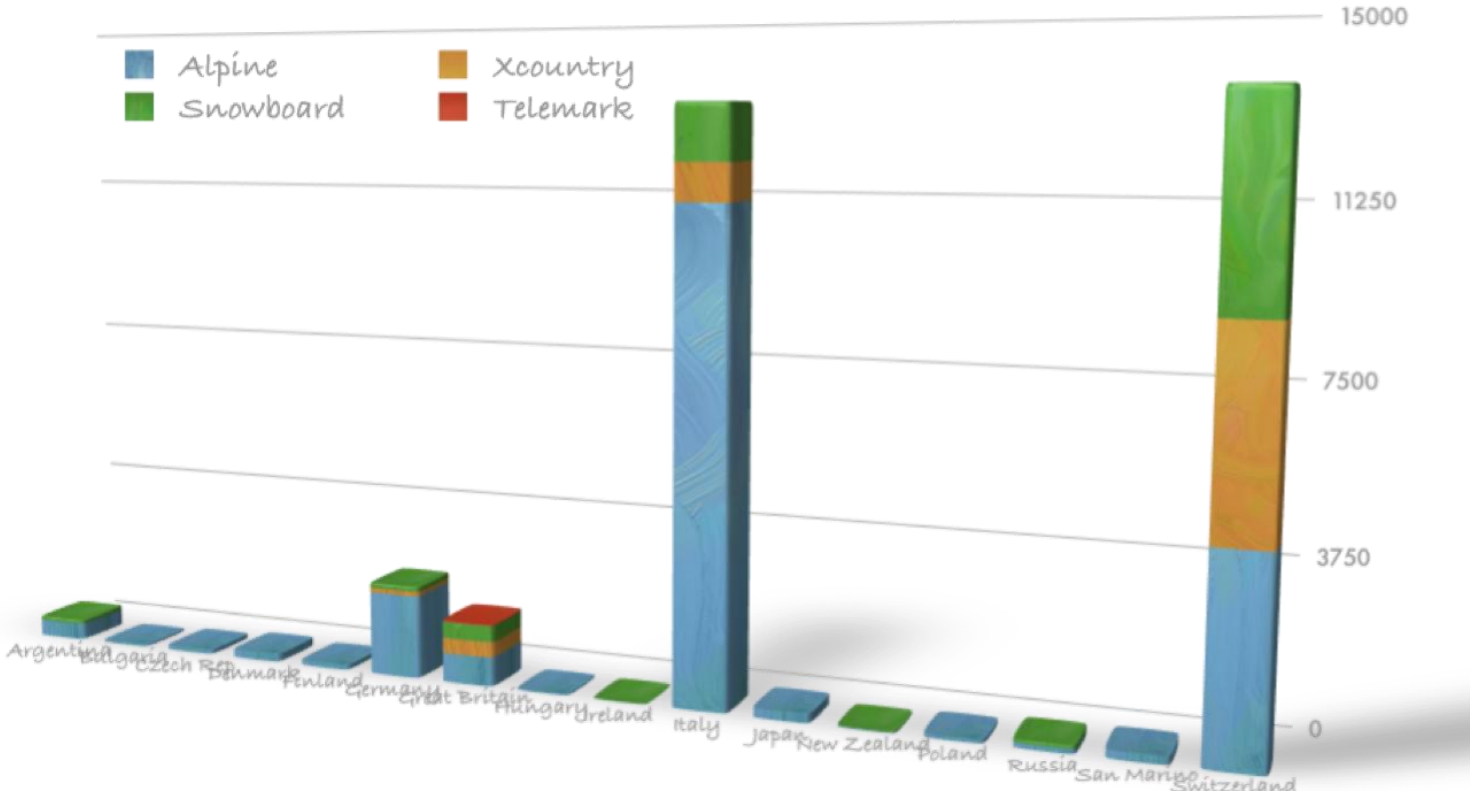
Argentina 469 (2.1%)
Bulgaria 45 (0.2%)
Czech Rep. 100 (0.4%)
Denmark 187 (0.8%)
Finland 123 (0.6%)
Germany 2.114 (9.5%)
Great Britain 626 (2.8%)
Ireland 13 (0.1%)
Italy 13.345 (59.9%)
Japan 210 (0.9%)
New Zealand 35 (0.2%)
Poland 79 (0.4%)
Russia 179 (0.8%)
San Marino 184 (0.8%)
Switzerland 4.541 (20.4%)

Distribution by discipline

Alpine 19.796 (61.6%)
Xcountry 5.872 (18.3%)
Snowboard 6.493 (20.2%)
Telemark 16 (0.1%)



Discipline distribution per country



Planned improvements

- Define the data access policy
- Allow association to insert and update their own data
- Statistics implementation
- Development of an app for mobile systems in order to interrogate the database.

The ISIA Technical Commission

- Vittorio Caffi - Coordinator

- Dino Degaudenz – Coordinator Europe
- Yuichi Mabuchi – Coordinator Asia
- Justo Olivieri – Coordinator America

- Mario Fabretto
- Jan Kindschi
- Sandi Murovec
- Edoardo Roldan
- Eichi Kodama
- Riet Campell
- Hugo Reider

Thank you