

Irish Association Snowsport Instructors Mountain Security Training

ISIA Meeting 10th and 11th October 2011

Budapest, Hungary



Pete Silver Gillespie

Thank you for this opportunity.....

- IASI level 4 Alpine Instructor
- IASI Alpine Trainer
- IASI Board member
- Represented Ireland at INTERSKI 2011



IASI Mountain Security Training and Assessment Team

Robbie Fenlon and Jeff Banks

IASI MSM trainers are
IFMGA high mountain
guides

AIARE Trainers

Avalanche Certification
courses (American Institute
of Avalanche Research
Education)



IASI Mountain security Modules 1 and 2

- IASI Mountain Safety Module 1 (Level 3 Alpine award)
- 6 days training and assessment (48 hours)
- This is a mandatory module as part of the level 3 Alpine award (ISIA Stamp)
- IASI Euro Security Module 2 (level 4 Alpine award)
- 7 days training and assessment (4 days training, 10 logged tours, 3 days assessment)
- Mandatory for level 4 Qualification

MSM level 1 Overview

Navigation (ability to self locate and identify local features on map)

Snowpit analysis (identify layers, possible weakness, execute simple shear tests)

leading group off piste (using safe travel techniques and identify and avoiding terrain hazards)

Avalanche risk observations and application of safe travel practices (ability to observe potential real time avalanche risks in the local environment)

Avalanche rescue exercise (group)
2 victims buried (out of range) 1 metre down find and dig out in 10 minutes

Avalanche rescue exercise (individual) 2 transceivers buried (out of range) 50 cm below surface find and mark in 5 minutes



MSM Level 1

Daily Development and training

- Daily transceiver check and searches
- Daily navigation and map reading through out the skiing day
- Daily leading and management of group in off piste terrain
- Daily review of Avalanche report
- Daily observation of potential avalanche conditions (wind deposits, snow fall, temp change , weather forecast , wind direction etc)
- Daily avalanche pit and identification of layers and potential weaknesses
- Daily skinning and kick turn practice
- Some Avalanche rescue exercises and training



MSM Level 1 continued

OUTCOMES

Instructors passing this course are able to ski off piste with clients within the boundaries of the ski area and where the ski patrol operates (as long as the ski school and/or local laws allow this)



MSM Level 2 (Euro Security)

Overview

4 Days training (max 6 per guide)

Consolidation period

Navigation and Mountain weather

Between the training and assessment student instructors must log -

Planning a ski tour

10 touring routes

Touring techniques / equipment

These routes should have a minimum ascent of **600 mtr** and **1000mtr of descent**

Snow and avalanche assessment

Rescue situations

MSM level 2

Daily development and assessment in.....

- use of map and compass, gps , altimeter
- use of avalanche report
- transceiver check
- route choice in ascent and descent
- en route decision making in relation to potential Avalanche risk
- Skiing and kick turns
- Group management in ascent and descent



MSC level 2 (Euro Security)

Continued.....

Assessment (3 days)

As in the MSM level 1 but a higher degree of fluency and confidence is expected) Navigation, Leading routes off piste (in all weather conditions), Decision Making, Avalanche Safety & Rescue scenarios, ski touring, rope work, anchors etc.

- Daily 2 to 3 hour ski tours led by individuals in group. leadership encompasses all of the factors mentioned above



Outcome:

Instructors passing this course are able to lead off piste outside the ski area boundary, including day tours. This excludes glaciated terrain and use of alpinism techniques.



Thanks, Danke, Merci,

Pete Silver Gillespie IASI Alpine level 4 / Trainer

