

ADVENTURE ACTIVITIES & SAFETY

TAIEX – visit
14.5.2013



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SANTASPORT ADVENTURE CENTER

Adventure & Outdoor Sports Education & Training

- **Education**

- Vocational qualifications = **Outdoor Experience Instructor** (16 months training)
Physical Education Assistant (120 credits)
- Polytechnic degrees
- University

- **Programme services**

- “at Sea, air and Land” – Year round

- **Training for instructors , guides, ski instructors and ski patrols**

- **Climbing** – Finnish Climbing Association
- **Paddling** – Finnish Canoeing and Rowing Federation & Finnish Canoeing Instructors
- **Rafting** – Finnish Rafting Federation
- **Ski instructors** – Finnish National Association of Ski Instructors & IVSS
- **Ski patrols** – The Finnish Ski Area Association & FIPS
- **Travel Industry Safety Passport & Matupa –Course Leader Training**
– The Finnish National Rescue Association



PRODUCT SAFETY LEGISLATION

Finnish product safety legislation gives the background for the programme services

- The Consumer Safety Act 920-2012
 - Government Degree 1110-2011
 - Programme service companies and other parties with the obligation to notify a supervisory authority about their operations must prepare a **safety document**.

<http://www.tukes.fi/en/Branches/consumer-safety/Product-Safety-Legislation/>

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GUIDELINES

- Finnish Consumer Agency's Guidelines for the Promotion of Safety in Program Services 11/2003
 - *nb! Finnish Safety and Chemical Agency supervises and promotes the safety of products and services since 2010*
- On top special guidelines for
 - Ski Slopes
 - Swimming pools and Spas
 - Karting
 - Equestrian services
- Guidelines for the given Information of the Consumer Goods and Consumer Services 10/2006

<http://www.tukes.fi/en/For-Consumers/Leisure-time/>

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BASIC REQUIREMENTS FOR PERSONEL

Personnel should have appropriate training and should be given proper orientation when they are hired, which includes going over the safety document

- ***Travel Industry Safety Passport***
- In the case of special activities instructors should have the necessary qualification
 - for example a sport association certificate in climbing, paddling, rafting, etc.
- Adequate first aid skills
 - Red Cross FA 2 or equivalent information and skills
- Emergency preparedness
- Fire safety skills

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PADDLING AS A PROGRAMME SERVICE



- ~ 10 000 paddlers
- Four organisations
 - Finnish Canoeing and Rowing Federation
 - Finnish Canoeing Instructors
 - NIL
 - BCU
- ~ 3000 instructors and guides since 1995
- EURO PADDLE PASS STANDARD(level 1-5) skill test
 - France, Ireland, GB, Slovenia, Sweden, Denmark and Finland (coming 2013)
- Open canoe for tourists
- Risks
 - Cold water (season April -> November)
 - Equipments (PPE & PFD)
 - Skills (self rescue)
- Accidents & serious near -miss situations
 - <10/ season

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CLIMBING AS A PROGRAMME SERVICE



- ~ 20 000 climbers
- 3000 FSA members
- Finnish Climbing Association
 - Member of UIAA (Union Internationale des Associations d'Alpinisme)
- UIAA Model Training Standard
- 3200 KTO 2 (ropework supervisor module 2 since 1999)
- 1300 qualified instructors -> 450 valid 2013
- Top roping & adventure parks for tourists
 - No mountains in Finland
- Risks
 - Bouldering & poor falling
 - Bealying error
 - Conditions/ weather in the mountains (abroad)
- Accidents & serious near -miss situations
 - < 20/ season
 - 1-2 severe accidents/ season

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graph TD
    KTO1[KTO 1 -moduuli 16 h] --> KTO2[KTO 2 -moduuli 16 h]
    KTO2 --> KTO_koe[KTO -koe 8 h]
    KTO_koe --> KO1[KO 1 -moduuli sisäseinä 16 h]
    KTO_koe --> KTO3[KTO 3 -moduuli 16 h]
    KO1 --> KO2[KO 2 -moduuli kallio 16 h]
    KO2 --> KO_koe[KO -koe 8 h]
    KO_koe --> KKK1[KKK 1 Jääkiipeily 16 h]
    KO_koe --> Kiipeilyohjaaja[Kiipeilyohjaaja Sport Climbing Instructor UIAA]
    KKK1 --> KKK2[KKK 2 Kalliikiipeily 16 h]
    KKK2 --> KKK3[KKK 3 Koulutusleiri ulkomailla 80 h]
    KKK3 --> KKK_koe[KKK -koe 16 h]
    KKK_koe --> Kalliokiipeilykouluttaja[Kalliokiipeilykouluttaja Rock Climbing Instructor UIAA]
    KTO3 --> Koysitoiminnanohjaaja[Köysitoiminnanohjaaja]
    KTO3 --> Korkeaharjoite-rataohjaaja[Korkeaharjoite-rataohjaaja]
    KTO3 --> I_tason_valmentaja[I-tason valmentaja]
    KTO3 --> Junnuohjaaja[Junnuohjaaja]
    KTO3 --> Kiipeilyohjaaja
    KTO3 --> Jääkiipeilyohjaaja[Jääkiipeilyohjaaja]
    KTO3 --> II_tason_valmentaja[II-tason valmentaja]
    KTO3 --> III_tason_valmentaja[III-tason valmentaja]
    KTO3 --> Kalliokiipeilykouluttaja
  
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The flowchart illustrates the training process for climbing instructors in Finland. It starts with KTO 1 -moduuli (16 h), followed by KTO 2 -moduuli (16 h), and then KTO -koe (8 h). From KTO -koe, the path splits into KO 1 -moduuli (sisäseinä, 16 h) and KTO 3 -moduuli (16 h). KO 1 -moduuli leads to KO 2 -moduuli (kallio, 16 h), which then leads to KO -koe (8 h). KO -koe leads to KKK 1 (Jääkiipeily, 16 h). KKK 1 leads to KKK 2 (Kalliikiipeily, 16 h), which leads to KKK 3 (Koulutusleiri ulkomailla, 80 h). KKK 3 leads to KKK -koe (16 h). The final step is KKK -koe, which leads to Kalliokiipeilykouluttaja (Rock Climbing Instructor, UIAA). The KTO 3 -moduuli also leads to several other roles: Köysitoiminnanohjaaja, Korkeaharjoite-rataohjaaja, I-tason valmentaja, Junnuohjaaja, Kiipeilyohjaaja, Jääkiipeilyohjaaja, II-tason valmentaja, III-tason valmentaja, and Kalliokiipeilykouluttaja.

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RAFTING AS A PROGRAMME SERVICE



- Northeast entrepreneur in Muonio, southeast in Kotka
- Finnish Rafting Federation
 - Member on IRF
- At the moment Finland is harmonizing the training with the IRF
 - National rafting guide training = 60 hours / 18 age/ FRC FA 2
- Programme service & sport
 - First visit 2009 WC Bosnia & Hertzegovina / Marathon in river Tara!
- ~ 1000 rafting guides
 - < 10 IRF raft guides & trip leaders
- Risks
 - Cold water
 - Long season (May -> October)
 - Poor equipments (PPE = raining jackets & trousers)
- Accidents & serious near -miss situations
 - < 5 flips with customers/ season
 - Severe accidents very seldom

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PPE & PDF ???



- <http://www.tianis.net/excursions.html>

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SKI SCHOOL AS A PROGRAMME SERVICE

- Finnish National Association of Ski Instructors
 - Member of ISIA
- 49 ski schools
- 1,2 million skiers & snowboarders
- Ski School selling < 2,5 million €/ 2012
- > 1000 ski instructors
- > 200 ISIA –instructor
- Risks
 - Cold weather
 - Poor physical performance & skills
- Accidents & serious near -miss situations
 - ~2500 accidents overall/ season
 - 1-2 serious accidents/ season

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SHOry-ISIA SCHEME

1-kurssi (76h)



Opetusharjoittelu (25h)



EA1 (16h)



2-kurssi (76h)



Opetusharjoittelu (25h)

SKI INSTRUCTOR (218h)

1-kurssi , toinen laji
(76h)

3-kurssi (76h)

Moduuli
Vapaavalintainen (34h)

Lumiturvallisuus (40h)



Lumileirin toteutus(20h)

ISIA STAMP (464h)

Lumiturvallisuus II (60h)

Moduuli
(34h)

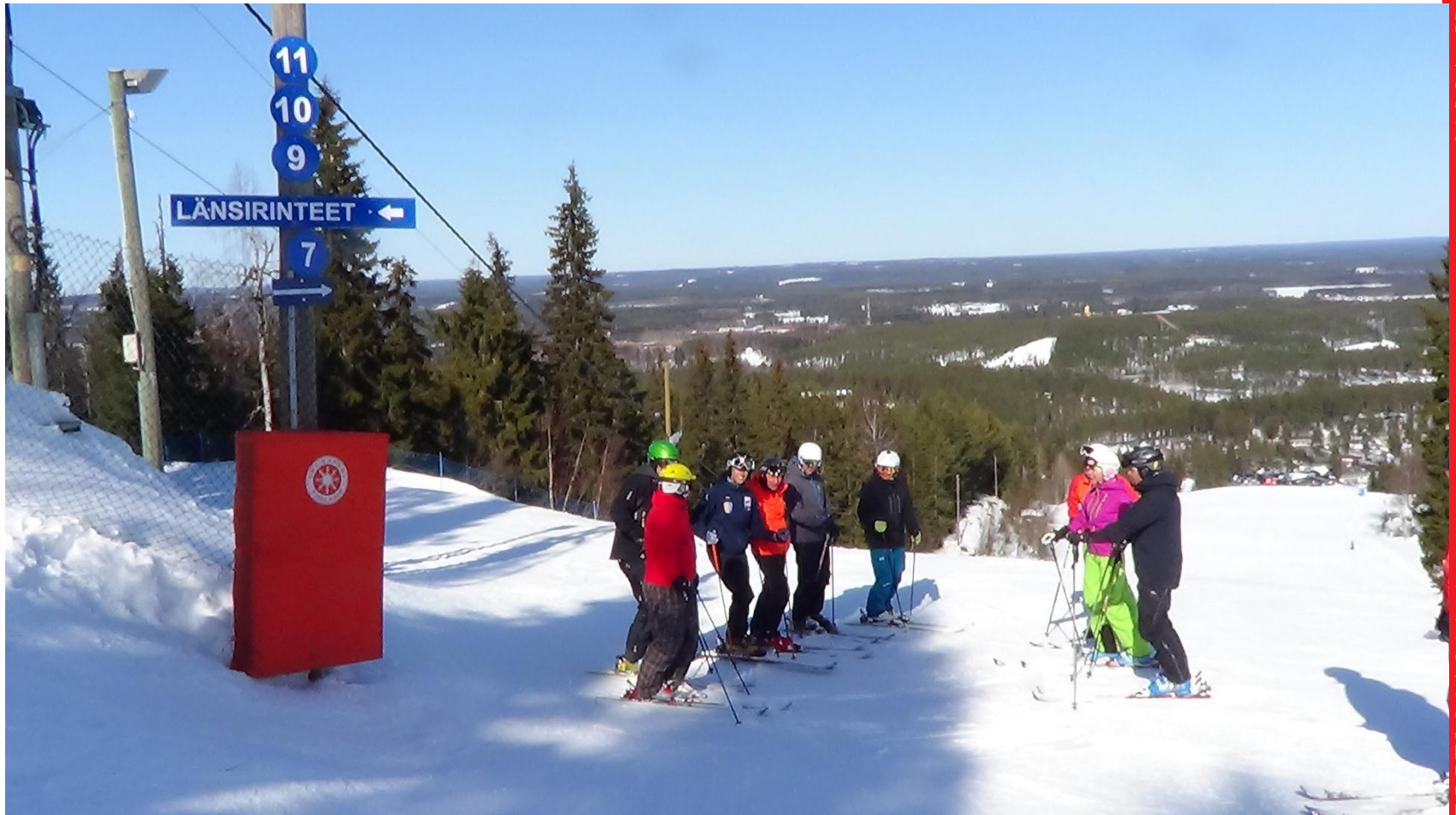
Moduuli 3 (34h)
Valmentaja / Rata /
Freestyle / MH



ISIA testi (12h)

ISIA CARD (604h)

RISKY...?



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STANDARDS & CERTIFICATES IN OUTDOOR SPORTS

- Standards for equipments & constructions
 - EN -Standards
 - PPE in climbing & adventure parks
 - PFD in water sports
- Standards for training instructors
- Association's own guidelines for safe paddling, rafting, whitewater swimming, etc.



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SAFETY –TIPS by TUKES for:

- Winter Outdoor Swimming
- Skiing and Cross Country Skiing
- Snow and Ice constructions, etc.

<http://94.199.118.186/en/For-Consumers/Leisure-time/>

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