



HOW TO USE	1.	2.	3.	4.	RISK INCREASING EXAMPLES	TO BE REGARDED AS NORMAL
Pick <u>yes</u> or <u>no</u> in each cell in the column of your moment in time. Count the number of 'yes' in that column to get the risk score at that moment in time. Take appropriate risk reducing measures counterparting the score at that moment in time.	The evening before your tour	At breakfast on tour day	On the ice before departure	During fika and after a change	<b>Warning</b> - a low risk score is no guarantee that there are no other risks involved than the risks in the column below. A low risk score is not automatically a green light to skate. You are responsible yourself at all times to make a safe skating tour. Keep thinking.	<b>Goal</b> - use the 4x4 risk analysis as instrument to avoid unsafe situations, by evaluating your circumstances. Judge the risks by comparing it to the reference 'normal' day tour described in this column. Use the 4x4 risk analysis to get out of a tunnel vision you might be in.
<b>1. Terrain</b>  Does the lake/sea have characteristics that are known to be risk increasing?	yes/no	yes/no	yes/no	yes/no	large size and/or depth; salt or brackish water; part of river; strong currents; border to sea; waves; tides; incoming (warmer) water; ship lanes; location sensible for hard wind; dangerous places indicated on SN	small and middle sized waters; fresh (sweet) water; uddar; sund; inflows; outflow; islands; normally changing deep/shallow water
<b>2. Ice</b>  Does the ice situation have characteristics that are known to be risk increasing?	yes/no	yes/no	yes/no	yes/no	thin ice; weak structured ice; spring ice; loose from shore; connected to open water; ice floes; (newly formed) signs of recent ice drift; signals of tension; (refrozen) släpprårer; ice broken near shore due to traveling waves; råk following shoreline; stöpis/snöis without stable kärna; double ice; reduced visibility by snow/water on the ice; underfrättning; many vindbrunnar; vrakis; many torrsprickor; plunnings reported	thick kärnis; hard stöpis/snöis with stable kärna under; ice not degenerated; snow/rimfrost on the ice < 1cm; water on the ice <1mm; normally placed upp/nedråkar; few vindbrunnar; generations of ice easily visible
<b>3. Weather</b>  Does the weather situation have characteristics that are known to be risk increasing?	yes/no	yes/no	yes/no	yes/no	hard wind; increasing wind; wind direction change; temperature rise; temperature fall; air pressure change; (starting) thaw; strong sun radiation; snow; rain; fog; no or less daylight	freezing weather; temperature fluctuation < 10°; wind < 6 m/s; wind direction change < 45°; visibility >1km; no significant air pressure change; no precipitation; daylight
<b>4. People</b>  Would you judge the composition of the group to be risk increasing?	yes/no	yes/no	yes/no	yes/no	skating alone; group size <3 or > klubb maximum; only one leader; tired or injured people; one or more newbies; stubborn/competitive people; no mixed genders; safety equipment not complete; people not having done safety exercises; group split while skating; multi day trip; multi group trip; multi klubb trip; new situation(s) for leader(s); exhausting night before day tour; bad internet / no information; bad preparation; preparation done in hurry; no or bad map available	standard day tour; group size >= 3 and <= klubb maximum; two leaders; complete safety equipment; skating in normal formation; signals known to whole group; keeping distance after keep distance signal; nothing to prove; freedom to speak; enough time to prepare; known area to at least one group member; sufficient information available; suitable map available

Count the number of 'yes' answers

0 - normal risk	- go skating according to your plan, taking normal precautions
1 - increased risk-	- add risk reducing measures to mitigate the increased risk
2 - high risk	- add strong risk reducing measures to mitigate the increased risks
3 - very high risk	- take very strong risk reducing measures or choose another location
4 - extreme risk	- don't go, retreat, choose another location or date/time



## HLSK Referencecard

Version 1.3, 171007

Thanks to LLK

### IMPORTANT PHONE NUMBERS

#### SOS Alarm 112

Germany, Netherlands, Norway, Sweden

#### SWEDEN

- Police, no emergency **114 14**
- Medical consultation 11 77**
- Meteorologist directly (07:00-20:00) **+46.900 101 70 70**
- Tel. number information **118 118**
- Telia tel. number information **90 200**

5,0- 7,9 m/s	mod. breeze	Bft 4
8,0-10,7 m/s	fresh breeze	Bft 5
10,8-13,8 m/s	strong breeze	Bft 6
13,9-17,1 m/s	moderate gale	Bft 7
17,2-20,7 m/s	fresh gale	Bft 8

#### Appoint before departure

- Last person (second guide or experienced participant)
- Second person (second guide or experienced participant)
- Rescue leader in case the guide plurs (second person or last person).

#### Plurrring

##### Secure

- Retreat to secure ice, probe the ice
- Skate – crawl - lie down

##### Rescue

- Rescue leader takes charge of the rescue
- Rescue leader appoints line throwers

##### Care

- Stay with the plurred one, let someone find a sheltered spot
- Change clothes, everyone helps
- Replace guide with second guide, if guide plurred

#### IN DOUBT? CALL 112

Germany, Netherlands, Norway, Sweden

### Alerting emergency services Call 112

#### Answer the questions of the operator in English:

- If necessary: ask for someone who speaks English
- Tell him/her that you are the leader of a skating group
- Report your position by describing the location (name of the water/which part) and your GPS coordinates in RT90
- Tell what kind of help you need
- Ask to be connected to the rescue service crew that is send out to you for help
- Agree on where you will meet
- Send two participants to the agreed meeting place
- Assist the rescue service

#### Signals of the guide



Keep distance

Dangerous spot

Stop!!

#### Last person

##### Skate as last one in the row

- Know the number of participants
- Check if everyone is there, also during/after walking
- Check what happens in the group during skating
- Consult the guide if necessary
- Tell how the group is doing
- Inform the guide about speed, etc.

#### Second person

##### Keep distance (min. 15 m) to the guide

- Keep distance, also in strong headwinds
- Give warning of a high tone (thin ice)

#### Rescue leader

- Lead the rescue when guide plurs
- Support guide when participant plurs

**When guide plurred > second guide in front. When both plurred > most experienced participant in front and abort tour asap.**

**Safety training: 1.signals, 2.line throwing, 3.simulate plurrring, 4. use isdubbar, 5. cross råk, 6. calibrate pole.**

### Assistance or guidance

In need of assistance / guidance, call in the following order until you get an answer.

#### Board HLSK:

1. Tom Nieuwenhuijsen	+31.6.53188182
2. Max Kohnstamm	+31.6.50605629
3. Gert-Jan Vroege	+31.6.51192341
4. Nella van Braam	+31.6.50742764

#### Israp HLSK:

Rob Mulders	+31.6.20120611
Wim Willemse	+46.734.181577
Niklas Zackrisson	+46.76.8078254

#### Press contact on the spot after the incident:

- Tell what happened
- Offer condolences to victims
- Tell only what you are 100% certain of.
- Tell what you think of it (indication; feeling)
- Tell what you do or did about it
- Thank the rescue services

**Do not:** speculate, guess, interpret or defend  
**Never say:** no comment.

#### Wounded person

##### Always protect against hypothermia

##### Bleeding

- Uphold bleeding bodypart
- Bandage the wound
- Severe bleeding = hold wound edges together >5min; dress the wound
- Use pressure bandage/tourniquet if necessary
- If bleeding does not stop = **112**
- Deep cut = **hospital/doctor** or **112**

##### Unconsciousness

- Unconsciousness = **112**
- Keep the victim under control/watch
- Please note: also in case of a short period of unconsciousness = **112**

##### Damage to bone, tendon, ligament

##### Ask:

- Where does it hurt most?
- Can you use feet/leg/arm/hand?
- Can you use feet/leg/arm/hand for support?
- Suspicion of fracture or other serious damage = **112**
- Damage to shoulder/arm/hand/joints = fixate if necessary = **to hospital/doctor**

### Mobiele nr's (aspirant) gidsen

Marcel	+31.6.81785730
Anja	+31.6.53976512
Emiel	+31.6.24889365
Marijn	+31.6.14190959
Marijke	+31.6.19001855
Ewout	+31.6.29015765
Leontine	+31.6.45162375
Jos	+31.6.33846357
Rob (GC,IR)	+31.6.20120611
Tom (B)	+31.6.53188182
Johan	+31.6.53937233
Carolien	+31.6.23494957
Janny	+31.6.22528190
Marc	+31.6.23481136
Albert	+31.6.10623844
Gert-Jan (B)	+31.6.51192341
Luuk	+31.6.41618705
Joris	+31.6.53479734
Wim (GC,IR)	+46.79.3352852
Niklas (IR)	+46.76.8078254

(B) = Bestuur

(IR) = IJsrapporteur

(GC) = Gidscommissie

#### Hypothermia

- Frozen body parts = defrost with body heat, protect against freezing again
- General hypothermia = activate the victim
- If the victim cannot be activated = handle with care, protect against further hypothermia = **112**

#### Chestpain

**Acute** chestpain lasting ≥ 10 - 15 min = **112**

**CPR/reanimation: let someone call 112**

- 30 fast compressions on the middle of the sternum and
- breath air into the victim 2 times, first ensure free airways
- Repeat in this sequence this untill help arrives**

#### Burn wounds

- Cool directly with water, snow, ice.
- Cool at least 10 min
- Second or third degree burns = **hospital/doctor**

