

19th European Rogaining Championship 2023

Turku/Pöytyä, Finland

Bulletin IV.1

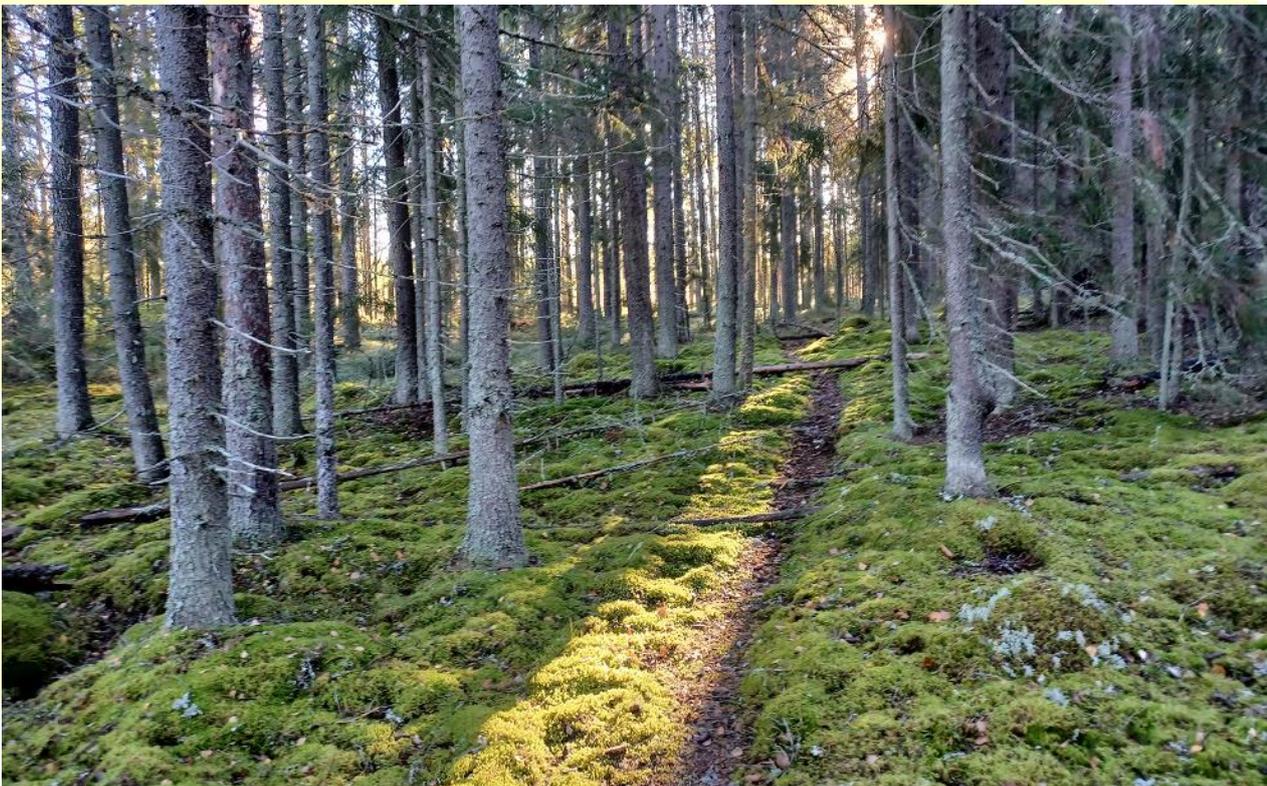
Date September 9-10, 2023

Organizer Turun Metsänkävijät (TuMe) Orienteering Club and Rogaining Finland

www <https://www.tume.fi/erc2023/>

Format European Rogaining Championship 2023 (ERC 2023) is held as a 24 hour Rogaining competition.

Rules In accordance with IRF council, ERC2023 will follow the rules of the International Rogaining Federation, while reserving the right to include some deviations based on local circumstances, mentioned later in this bulletin.



Dear participants of ERC2023,

Welcome to the Rogaining European Championships in Finland's historic birthplace, Southwest Finland.

Rogaining, as a sport, offers an enchanting opportunity for individuals from diverse backgrounds to immerse themselves in the wonders of nature and orienteering.

The region of Southwest Finland stands as an enchanting and versatile haven of natural wonders. Our province boasts an array of landscapes, from the rugged cliffs of the Archipelago Sea to the culturally significant Aura-river, meandering through valleys, fertile fields, and exquisite forests.



Recognizing nature's paramount significance, we're dedicated to preserving it. As Finland's oldest city, Turku, prepares to mark its 800th anniversary in 2029 and we are dedicated to gifting future generations with a legacy of carbon neutrality by that milestone year.

While visiting our beautiful region, we hope you stay a few extra days. Turku offers many things to do, see and experience in the city, in its surroundings and in the beautiful archipelago.

Wishing you unforgettable experiences during the Rogaining Championships,

Minna Arve

Mayor of Turku, Patron of ERC2023



Greetings from Pori Brigade

It is an immense pleasure and honour to welcome you to the Pori Brigade's training area in Raasi for this exciting competition. Opening our doors to this amazing event is a privilege, and we are thrilled to have you with us.

This is an opportunity where empowering competitive spirit meets remarkable orienteering terrains. We wish each team a fair and tight competition that will weigh your skills and efforts.

The Pori Brigade and the Finnish Defence Forces have always been strongly committed to the world of orienteering. Our long and rich traditions in this domain have given us valuable experience and understanding. That is why we wholeheartedly support this event and recognize its importance to the rogaining community. Together we can make this a memorable experience.

We would also like to extend warm thanks to the organizers, who have done a tremendous job in organizing these competitions. It is wonderful to see how the community can unite behind events like this and create unforgettable moments for orienteering lovers.

Enjoy the competition, the scenery and being together. We wish you all a wonderful time at the European Rogaining Championships!

On behalf of Pori Brigade,

Sanna Närä

Public Affairs Officer

COMPETITION CLASSES

MO, WO, XO (open class – men, women, and mixed teams)

MJ, WJ, XJ (youth, under 23 years of age – men, women, and mixed teams)

MV, WV, XV (veterans, at least 40 years of age – men, women, and mixed teams)

MSV, WSV, XSV (super veterans, at least 55 years of age – men, women, and mixed teams)

MUV, WUV, XUV (ultra veterans, at least 65 years of age – men, women, and mixed teams)

The age requirements specified for the given classes should be satisfied on the first day of competition, 9th September 2023. Any team that has a member under 14 years of age shall also have a member 18 years of age or over. All participants under 18 years entered for a 24-hour rogaine should present written permission from parents or legal guardians upon registration. A team shall consist of 2-5 members.

Non-European participants are eligible to compete for the championship titles (discussions with IRF and ERF representatives, November 2022). People carrying Russian and Belarussian passports are not eligible to take part in ERC (IRF decision from July 2022). If there is concern about any competitor's nationality, they will be able to compete if they can show they hold a passport from a country other than Russia or Belarus. Please see further comments below in section ***Identification of the competitors.***

International Rogaining Federation's rules can be found at:
https://www.rogaining.org/index.php?option=com_content&view=article&id=330:irf-rules-of-rogaining-current-as-of-the-1st-january-2017&catid=27:rogaine-participation-competing&Itemid=172

These rules will be followed in ERC, unless otherwise indicated later in this document (see especially Section **EXCEPTIONS FROM THE IRF RULES**).

LOCATION

Southwest Finland, Pöytyä. Distance from Helsinki-Vantaa Airport about 180 km and from the Port of Turku about 50 km. Two event centers with a distance of 17 km, driving time between the centers is 20 min:

Riihi - pre-start floor accommodation, showers after the competition, post-race meal and prize-giving ceremony.

Address: Yläneentie 66, Pöytyä

60.722, 22.593 (60°43'19.2"N 22°35'34.8"E)

Competition Center Raasi – camping before the competition, start and finish, hash-house. Note that there are no showers in Raasi.

Address: Raasintie 500, Pöytyä.

60.785, 22.360 (60°47'06.0"N 22°21'36.0"E)

ENTRY FEES

Entry date	Entry fee
before 31.1.2023	80€
1.2.2023 – 30.4.2023	95€
1.5.2023 – 30.6.2023	105€
1.7.2023 – 31.8.2023	125€

The registration system will open on January 1st 2023.

The entry fee can be paid also with Smartum, Epassi and Edenred vouchers issued in Finland.

CANCELLATION POLICY

In case of a cancellation, the organizers refund the team as follows:

Cancellation done by 30.6.2023, 50 % is refunded.

Cancellation done after 1.7.2023, no refund will be made.

EMBARGOED AREA

Open this link to see the embargoed area and location of event centers, pre-competition training map, airports, Turku harbor, and

Naantali harbor:

<https://www.google.com/maps/d/viewer?mid=1C7ydlitXB9EgAFupNOXS5uPxeji9kfkct&ll=60.644499460873874%2C23.50527174999997&z=9>

The embargoed area is out of bounds for the competitors, with the following exceptions:

Public roads can be used for travelling through the embargoed area until September 1, 2023. You can also use public roads in the embargoed area for cycling, walking and running, but leaving the roads is, of course, strictly forbidden.

Kurjenrahka National Park is within the embargoed area. ERC participants can use the circular paths marked on the map at <https://julkaisut.metsa.fi/assets/pdf/lp/Esitteet/kurjenrahkafinsveeng.pdf> (second page) until 1st of September 2023. It is strictly forbidden to leave the paths.

All the embargoed area (including the paths in Kurjenrahka and the public roads) is out of bounds **from 1st of September 2023** until the start of the competition. The road to Competition Center Raasi (from Road 204 – see the map below) opens on Friday (8th) at 15.00.

PROGRAMME

Friday, 8 September

- 16.00 Tent area opens in **Competition Center Raasi**
- 16.00 Competition office opens in **Riihi**
- 18.00 Hard floor sleepover possibilities open in **Riihi**
- 19.00 Competition office closes in **Riihi**
- 19.30 Competition office opens in **Competition Center Raasi**
- 21.00 Competition office closes in **Competition Center Raasi**

Saturday, 9 September

- 08.00 Bus transportations from Riihi to Competition Center Raasi start
- 08.00 Competition office opens in **Raasi** – competition material and gps devices hand out starts
- 08.00 Suunnistajan kauppa (**Orienteering equipment shop**) will open
- 09.00 Military canteen truck (**Sotilaskotiauto**) opens, selling coffee and snacks until 12.30.

10.00 Map handout for ERC 2023 in **Raasi**
 12.00 Opening ceremony in **Raasi**
 13.00 ERC 2023 mass start in **Raasi**
 20.11 Sunset
 20.56 Twilight ends

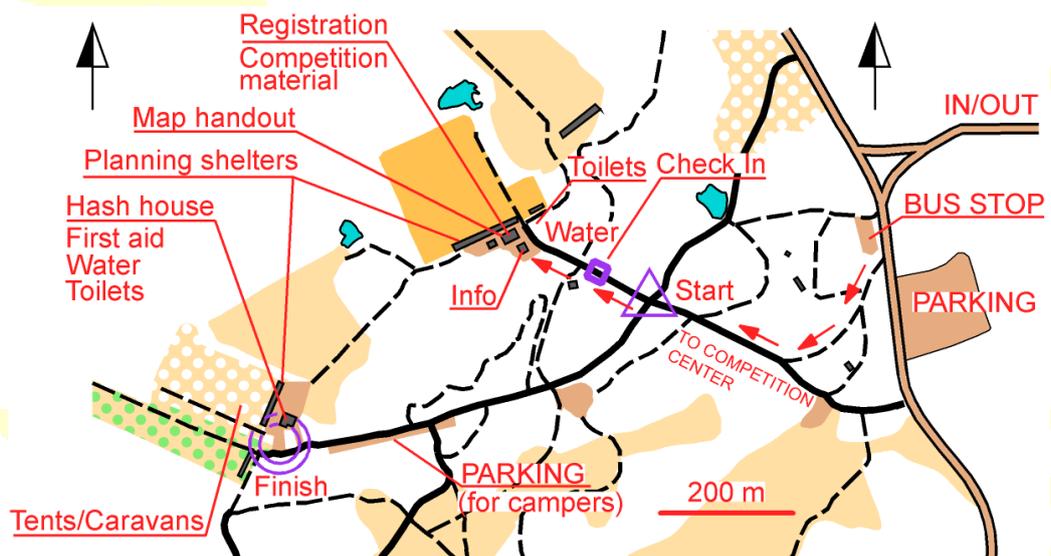
Sunday, 10 September

06.01 Twilight starts
 06.45 Sunrise
 13.00 Penalty time starts
 13.30 Finish closes
 14.30 Bus transportation from Competition Center Raasi to Turku
 bus & train stations (arriving to Turku by 15.30 at the latest)
 15.00 Prize-giving ceremony at Riihi
 15.30 Last bus from Competition Center Raasi to Riihi (arriving to
 Riihi by 16.00 at the latest)
 18.00 Last bus from Riihi to Turku 18.00 (arriving Turku by 19.00
 at the latest)
 18.00 Riihi closes (showers available until 19.00)

Monday, 11 September

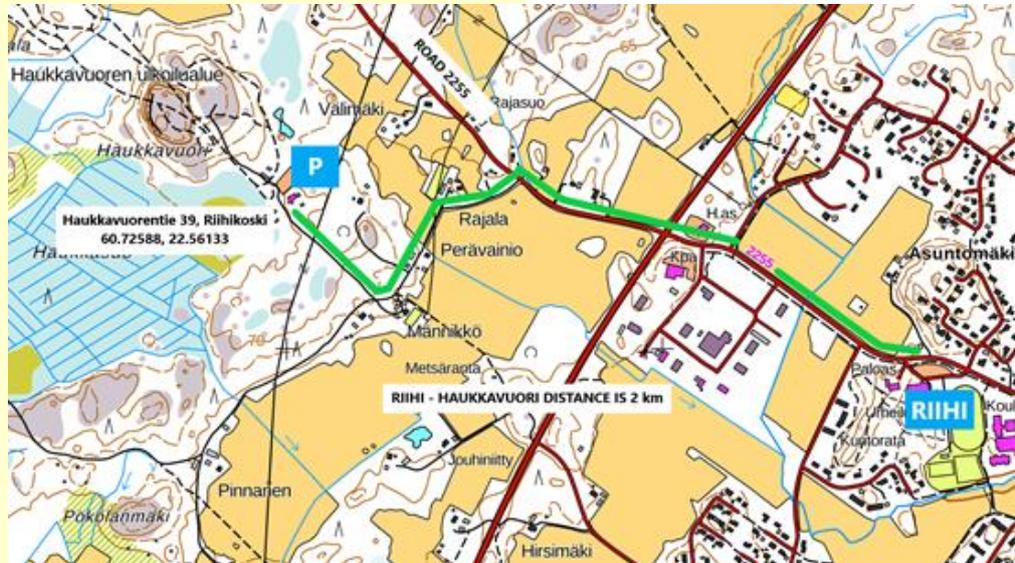
12.00 Tent area closes in Raasi. All participants must leave the
 Raasi competition center by 12.00

COMPETITION CENTER RAASI



PRE-EVENT TRAINING

The pre-event training is located here:



The model map will be available for download on the competition website from September 1 in pdf-format. Printed model maps are available in the competition office during its opening times. Model maps are also available by the front door of Riihi starting on Thursday at 12.00. The location of the course for the model map is 2 kilometers from Riihi.

The mapping style and the scale/contours on the model map are identical to the map that will be provided in the main event. The model map is printed on regular paper using a laser printer. There are 6 controls on the model map. Controls will be in the forest starting on Monday September 4. There will be a control flag at each location but no e-punch or reflector.

COMPETITION CENTER RAASI ACCESS

Car parking and the event bus stop are about one kilometer away from the competition center. Guide signs, "opastus," to the competition center Raasi will be on road 204 starting on Friday at 12.00 (noon).

On Friday, competitors staying overnight in Raasi can drive to the tent/caravan area (next to competition finish). On Saturday, all parking takes place in the large parking area one kilometer from the competition center.

IDENTIFICATION OF THE COMPETITORS

During registration, the organizers will check the participants' identity to verify that each participant has enrolled in the right competition class. The organizers will also verify the participants' date of birth, sex and nationality. During registration, the participants need to present a passport or an official identity card with a photograph. Note that a driving license is **not** an official identity card. However, we will accept Finnish driving licenses.

Note also that **each participant** needs to present their identity documentation. Thus, all team members need to be present during registration for the verification process, otherwise the team materials will not be handed out to competitors.

REGISTRATION AND EVENT MATERIAL DISTRIBUTION

Registration (in the competition office) will operate on Friday September 8 between 16.00 and 19.00 in **Riihi** and between 19.30 and 21.00 in **Raasi**. On Saturday, September 9, registration opens in Raasi at 8.00.

Team lists will be presented on the competition's website from Monday, September 4th and at the event center.

Registration process:

- Settle all debts (entry fee, transport fare and ordered merchandise). Payment can be done by bank card
- Sign the Waiver of Liability
- Prove your identity (all team members) and nationality. See Section **IDENTIFICATION OF THE COMPETITORS** above
- Receive your team kit

TEAM KIT CONTENT

The following material will be distributed at registration:

- Number bibs
- Safety pins
- SI-cards with control bands. There will be a charge of 70€ for a lost or damaged SI card.
- Sealable bag for electronics (not waterproof)
- Additional promotional material

COMPULSORY EQUIPMENT, EACH TEAM MEMBER

The compulsory equipment must be carried at all times during the competition.

- Visibly placed bib on every team member. At least one team member must have the bib attached on the front side
- SI card provided by the organizers, sealed around the competitors' wrist with non-removable wristband
- Whistle
- Water proof jacket
- A spare warm shirt (thermal / fleece shirt / warm running shirt) with long sleeves. Note that even if the temperature at night is above 5 degrees Celsius, it is most probably very humid throughout the night and early morning
- One of the following: A buff / beanie / woollen hat

COMPULSORY EQUIPMENT, PER TEAM

The compulsory equipment must be carried at all times during the competition.

- A GPS tracking device provided by the organizers
- A First Aid Kit. This must contain first aid gauze (pack or two rolls), band aids and 2 meters of sports tape at least 2 cm wide.
- An emergency blanket (minimum size 200 cm x 130 cm)
- A mobile phone (turned off, sealed in the bag provided by the organizers). The mobile phone can only be used in emergencies. Mobile phones will be sealed by the organizers before the start and the sealed phones must be presented with the seal unbroken after finishing the race. Seals will be checked at the finish; if unsealed, the team is disqualified.

CHECKING OF COMPULSORY EQUIPMENT

Organizers will check compulsory gear before the start. In addition, the organizers may check compulsory gear at any time during the race or after the race, in the finish area.

RECOMMENDED EQUIPMENT

- Compass
- Normal watch (no GPS)
- (Magnifying glass for people with “farsightedness” due to aging)

MAP HAND-OUT

Only one team member is allowed to enter the map hand-out area. The competitor shall show their race bib, so that the organizers are able to provide the correct number of maps. There will be one plastic cover for the map for each competitor. Note that the plastic cover is half of the size of the competition map. You are welcome to use your own plastic covers if you prefer something bigger. There will be one extra map per team that can be used for planning purposes. Note that none of the maps are water resistant.

MAP

The competition map scale is 1:30 000 and contour intervals are 5 meters. The map is based on high quality digital cartography data from National Land Survey of Finland.

The map is a special rogaining map using IOF map symbols. The map is drawn in scale of 1:15 000 but printed in 1:30 000. To improve the readability of the map, some of the features are slightly enlarged. As the map is rather detailed, it is a good idea to carry a small magnifying glass in the race (like those on many compasses). The features of the map are represented with orienteering ISOM 2017 symbols.

The dimensions of the map are 594 x 841 mm (A1). The maps are NOT water resistant. Plastic covers 425 x 600 mm (suitable for A2) are provided together with the maps. **Note that the plastic cover provided by the organizers is only half of the map size.** You are welcome to bring your own plastic cover to the competition, if you prefer something bigger.

The map is oriented to the magnetic north so correction for declination will not be necessary. The magnetic north lines are 1km apart.

You can find course setter's comments on the map in the end of this bulletin.

COURSE AND SCORES/POINTS

There are a total of 89 control points on the competition map. The score of each control is 10 times the first digit of the code. For example, control number 36 is worth 30 points, and 66 is worth 60 point. However, controls with codes **100 and above** are worth 100 points, e.g., 109 is worth 100 points.

The late penalty is 10 points for each started minute after the official finish time, which is 13.00 on Sunday, September 10. Teams finishing 30 minutes after the official finish time will receive zero points.

CONTROL DESCRIPTIONS

Control descriptions are printed on the competition map. No separate control descriptions are provided in the team kit, but **competitors can print out the control descriptions from**

https://www.tume.fi/erc2023/ERC2023_ControlDescriptions.pdf. The online control descriptions will be available starting on Monday, September 4th.

The control descriptions are presented only with IOF symbols (see <https://1drv.ms/b/s!As4LDA11gDVmgZAhk21itktEJa7KFw>).

CONTROLS

Control flags are located 1-1.5 meters from the ground and **have reflectors**. There is an electronic punch on or near the flag. It should beep when you punch. If there is no punch signal (no light/no sound) when you punch the SI station, it may be because the station is not “awake” yet – especially if you are the first to visit it. In this case, insert your e-punch into the hole in the unit for a few seconds to wake it up.

If the SI station has a dead battery, use the manual punch (needle punch) hanging on the unit to punch in the reserve punching table on the map. If a control point is confirmed missing, the GPS tracking may be used to gain points from the control. Note that a **missing SI station is not a valid reason for unsealing the bag for phones or other prohibited devices**.

A model control is situated close to the Info in Raasi.

All team members must punch within 45 seconds at every control.

Please note that the SI-cards can hold up to 128 punches – make sure you do not by mistake punch twice at the control!

ROUTE PLANNING

For route planning, you can use your **organizers' tents** or shelters available in the competition center (army shooting shelters, [see picture below](#)).



Adherence to the IRF rules during the planning process will be inspected. Competitors shall not leave the competition center starting from the moment of map distribution. If you need to visit the parking place after map distribution, you must leave the map in the planning area.

Note that route planning is not allowed in cars nor in the parking area and not in the caravan and tent area for camping. Take all the gear you need for preparing and planning for the competition with you to the competition center. We also advise you to bring hiking chairs / backpacking chairs and drawing boards with you to the competition center. There are plenty of rain protected planning shelters available, but tables are scarce. Note also that planning is mostly done in shelters without walls, so the temperature in the planning shelters is the same as the outside temperature.

During route planning Military home canteen (Sotilaskotiauto) is selling coffee and snacks (on Saturday morning from 9.00 until 12.30).

GPS DEVICES

One team member picks up the GPS device provided by the organizers on Saturday morning between 8.00 and 11.30. The pick-up location is the Info/competition office. At the pick-up, the organizers will attach the GPS device to the competitors backpack or to some other piece of gear. Please pick up the GPS device well in advance before the start process begins.

GEAR STORAGE

Gear can be stored in the shooting shelters and will be guarded during the race. Only a competitor with an official race bib will be allowed to retrieve gear.

ENTERING THE STARTING AREA

The start is approx. 200 m from the event center (see the map of competition center). Enter the start area from the competition office direction. All team members must enter the starting area together between 12.10 and 12.45 to undergo check of bibs, sealed SI cards, compulsory equipment and the seal of the other compulsory/optional equipment (mobile, personal GPS...). Thereafter, **each competitor MUST clear punch and check punch their own SI cards**. If this is not done, SI-card will not work!

EXCEPTIONS FROM THE IRF RULES

B5. We want to emphasize the importance of **no littering**. We are competing with the permission of the land owners. Many of them have expressed worries about littering. To be able to arrange competitions in the same area in the future, all littering is strictly forbidden. There are trash bins at the water controls – carry your trash to these water controls.

B7. Use of GPS devices is generally prohibited. See more information about GPS devices further below in this document in the section **USE OF GPS DEVICES DURING THE RACE**

B14. No caches. As an exception to official IRF rules, all caches are forbidden. This means you cannot leave packs, food or equipment temporarily unattended (to pick up later) even for a short part of the

course. Competitors must carry all their equipment the entire time they are on the course and away from the competition center (This is also a rule of the National Park). However, competitors are allowed to leave and pick up equipment as they require, from the competition center.

B10. All team members must stay together at all times whilst on the course. A team shall demonstrate compliance with this requirement to any event official or other team on request.

B17. (b) Team members must punch within 45 seconds at every control they wish to gain points from. If the time between the punching of the team members is more than 45 seconds, no points from that control will be recorded. The activities of the teams are monitored during the event.

B19. Competitors are not allowed to rest within 100 meters of controls.

B7. The use of maps that provide additional information not shown on the competition map is prohibited for course planning and whilst on the course.

B21. When visiting the competition center or hash-house during the competition, the teams do not need to record their visit by punching.

B22. After a team has finished by punching in the finish area, they cannot return to the course.

C8. Control descriptions will be available online starting on Monday, September 4 on the competition website.

C12. An online following system has been arranged for the race. It is based on real-time GPS data, but the system has a 30-minute delay in showing the team's progress.

RESTRICTED AREAS, SAFETY INFORMATION

In the map there are violet/purple cross-hatched areas, many of which are part of Kurjenrahka National Park. ~~These can be crossed only using tracks marked on the map. It is OK to travel on roads and trails if they pass through olive green settlement areas and there is no purple/violet cross-hatching signifying forbidden access.~~ Competitors who enter any areas with violet/purple cross-hatching will be disqualified.

All fields in the map are out-of-bounds for the competitors!

Refrain from using the edges of the field as well. You can only walk/run completely outside of the fields!

The organizers will monitor the terrain and follow real-time GPS tracking to ensure that competitors do not cross or enter out-of-bounds areas. Any violation of the out-of-bounds areas will result in disqualification! **More information on the out-of-bounds areas is available in appendix of this bulletin.** The main road on the eastern edge of the competition area is forbidden to use except for the short stretch which is not marked with the purple/violet cross-hatching.

If you enter an out-of-bounds area by mistake, the only way you may avoid disqualification is that you return from the out-of-bounds area the same way you entered it. However, if organizers determine that you gained some sort of advantage from entering out-of-bounds areas, you will nevertheless be disqualified.

See the appendix of this Bulletin for more detailed information on the marking of the out-of-bound areas and explanation of map symbols.

Remember to protect yourself from varying weather conditions with proper clothing. Take care of your food and liquids.

In particular, note that during rain bare rock areas on top of the hills can be extremely slippery.

In case of a serious accident, call the public emergency number 112. In less serious cases, consult with organizers: +358 40 9389 328

(Torkkila). These numbers are also printed on the competition map.

Manned water stations with first aid capabilities are marked with a first aid symbol (+).

Even if wolves and bears are known to visit the competition area, you can be sure that they all quickly flee from the sounds the competitors produce.

The only poisonous snake in Finland is the adder

(<https://en.wikipedia.org/wiki/Adder>), which is not regarded as especially

dangerous. If you get bitten by an adder, you must stop the race and call the organizers to fetch you from the terrain.

In general, the most dangerous animal in the area is the tick – make sure you perform a tick check after the finish! The ticks may carry both Lyme disease (<https://www.ecdc.europa.eu/en/borreliosis-lyme-disease>) and

tick-borne encephalitis (<https://www.ecdc.europa.eu/en/tick-borne-encephalitis>). You should remove the ticks attached to your skin as soon as possible. In case you find ticks attached to your skin, observe for any skin symptoms and act as advised in the links above.

WATER STATIONS

In the competition terrain, there will be nine (9) water stations marked on the map with a cup symbol. Three (3) of these are manned and include first aid gear. **These water stations are marked with a first aid symbol (+).** None of these are at a control with a point value. Do not drink from streams, ponds or lakes without first filtering the water. **Manned water stations have spare maps for teams whose maps have been damaged and are not readable anymore.**

FINISH

The finish is located at the competition center. The official finish time is 13.00 on Sunday, September 10. Teams finishing 30 minutes after the official finish time will receive zero points.

Do not break the wristband of the SI card before the SI chip readout at the finish! All team members should read out their SI cards at the same SI read-out unit, otherwise their splits will not be printed out. After finishing, only the organizers will be allowed to remove the SI wristband.

Participants will be requested to present their unopened sealed bag right after the finish. The organizers will check the intactness of the sealed plastic bags and other compulsory equipment as well.

RESULTS

After SI card readout, organizers will print a control visit check list for the participants. Results will be published at <http://www.tume.fi/erc2023> after 14.30 (1 hour after the time limit is over), or later if there are any problems or protests.

JURY AND PROTESTS

Any protest against results can be submitted (such as unfair action from organizers or competitors) up until 45 minutes after the ERC time limit is over. The protest has to be written in English and will be considered by the ERC Jury members: **Riikka Kaipia** (Finland), **Valters Kaminskis** (Latvia) and **Volodymyr Lipka** (Ukraine). Any IRF member or observer may be asked for assistance in case any of the nominated Jury members are mentioned as a part of a submitted protest.

CATERING AND POST-RACE MEAL

The Hash House will be open starting at 16.00 on Saturday and will serve:

- Chicken casserole (chicken & potato) lactose-free & gluten-free
- Vegetable-soy casserole (vegetables, soy, potato), dairy free, gluten-free, vegan
- Other options will be prepared beforehand according to entry form information – ask in the hash house!
- Snacks
- Water

The Hash House will close at 11:00 on Sunday

The post-race meal will be served in Riihi between 13.30 and 16.30 and will include:

- Beef with pepper sauce (L, G) OR broad bean with pepper sauce (M, G, V), vegetable rice, tomato-cucumber salad
- Other options will be prepared beforehand according to entry form information – ask in Riihi
- Bread, drinks

Please help us to reduce waste from the Hash House by minimizing the use of dishes.

AWARDS

A team that gains the highest number of points at each age and gender category will be awarded the title of European Rogaining Champion 2023. The three best teams in each category will be awarded. The prize-giving ceremony is scheduled to take place at 15.00 on Sunday, September 10, in **Riihi** (not in the competition center Raasi).

TERRAIN

The competition area is next to the Finnish Rogaining Championship 2019 terrain (<http://sm2019.turkurogaining.fi/>), with exceptionally interesting types of features from large marsh areas to some of the oldest forests in southern Finland. The terrain is characterized by two specific areas: Kurjenrahka National Park and the Raasinkorpi forests that are administered by the Finnish military. The remaining areas are typical Finnish forests used as a source of timber for the forest industry.

In general, 2/3 of the competition area (the northern part) is surprisingly sparsely inhabited, considering the fact that the area is in Southern Finland and very close to one of main cities in Finland (Turku). For example, the northern half of the terrain includes houses and farms that are only found near roads close to the edges of the competition area in the west and in the east. The contrast to the southern part of the terrain is clear: In the south, competitors will find more fields and permanent habitations. Nevertheless, the whole area in the south is mainly forests, and fields only cover some 15% of the terrain.

Even though the area is covered by roads serving the forest industry, there are also more remote areas where the closest roads are more than 1 kilometer away. The terrain includes all the possible terrain types one can find in Southern Finland: Forests of different ages and density, open (sparse) forests, logged areas, thickets, large open marshes (with few or no trees), forest marshes, lakesides, and exposed rocky hills very typical of the Southwestern Finland.

USE OF GPS DEVICES DURING THE RACE

On April 25th 2023, Rogaining Finland made a resolution regarding the use of GPS devices and smartwatches in Rogaining races in Finland. ERC 2023 will follow this resolution. The resolution is the following: According to Rogaining rules, the only navigational aids allowed are the map provided by the competition organizer, a compass, and a watch. The use of any GPS locators or measuring devices to aid in navigation is prohibited. The use of any map not provided by the

competition organizer, whether printed or electronic, is also prohibited.

If the watch/wrist computer has GPS functions, they must be turned off during the competition so that the competition organizer can reliably verify this both during and after the competition.

There are devices on the market with an "adventure race" or "AR Mode" function that disables the GPS locator and map view during the competition. By using this function and demonstrating its use throughout the entire competition performance, such a device may be used in Rogaining competitions held in Finland. The competitor is responsible for starting the device before the start, keeping it in the correct mode throughout the competition, and presenting the device to the competition organizer at the finish according to the instructions provided.

It should be noted that since the elevation differences in Finnish terrain are small and elevation information is not of significant benefit in navigation, any elevation data displayed on such a device does not prevent its use. Therefore, the use of other types of altimeters is also allowed in Southern Finland.

A regular GPS device may be carried along, but only if the device is in a sealed, opaque bag or box provided by the organizer, so that it cannot be used for navigation during the competition. The sealing of the device during and after the competition must be verifiable.

CLIMATE AND TYPICAL WEATHER

In September, the average maximum daytime temperature is around 16.0°C. It is possible, however, that during daytime, the temperature can climb above 20 degrees, although days above 25 degrees are rare. During the night, it is possible to have temperatures close to zero. Precipitation is common in September – on average, there are 9 rainy days in September.

ACCOMMODATION AND SHOWERS

We will provide hard floor sleepover possibilities with breakfast in Riihi. For those staying overnight (Friday/Saturday) in Riihi, there will also be bus transport to the Competition Center Raasi on Saturday morning.

The Competition Center Raasi will be open for campers (tents & camper vans) starting on Friday (8th) at 16.00. Campers can stay at the Competition Center Raasi from Sunday to Monday. All participants must leave the Raasi competition center by Monday 12.00.

If there is a high demand for hard floor accommodation for the night between Sunday (10th) and Monday (11th), we will look for different alternatives. Let us know in the registration form, if you are interested in a hard floor sleepover accommodation for the night after the race.

More information on different accommodation providers will be provided on our web site <https://www.tume.fi/erc2023/>. Turku has many hotels and early September is past the high season for tourism in Finland. At the time of writing Bulletin IV, we have no information concerning other large events in Turku during the ERC weekend.

There is no washing possibility in Raasi. On Saturday morning, the Riihi showers are available.

PUBLIC TRANSPORTATION

It will be possible to travel to Riihi by public transportation from the city of Turku. As one of Finland's main cities, Turku has an airport with some international connections; A harbor that has ferry connections from Stockholm in Sweden; Railway stations with connections to Helsinki and Tampere; And a bus station with connections to the other main cities in Finland.

We will arrange transportation to the competition center on Saturday morning, September 9, 2023 from Turku's main bus and railway stations and Turku harbor. Because of the low number of enrollments for this option, the transportation may be carried out by small bus or private cars. **YOU MUST INFORM THE ORGANIZERS IF YOU WANT TO USE THE ORGANIZERS' TRANSPORTATION.** The schedule is presented below.

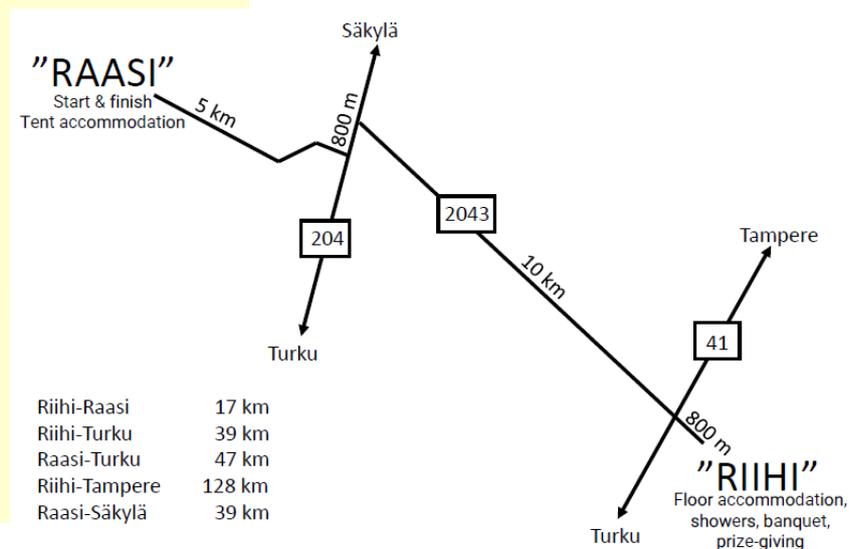
7.40 Kupittaa railway station

- 7.50 Turku bus station
- 8.00 Turku main railway station
- 8.10 Turku harbor
- 8.50 Riihi (place where floor accommodation is situated)
- 9.15 Arrival to Competition Center Raasi

See the exact locations here:

<https://www.google.com/maps/d/u/0/viewer?mid=1C7ydlTxB9EgAFupNOXS5uPxeji9kfkT&ll=60.644499460873874%2C23.50527174999997&z=9>

Those arriving in Turku harbor on Saturday morning and/or those staying overnight in hotels in Turku will be able to arrive to the competition center before the map handout (map handout is at 10.00 and the start at 13.00). Note that we will not arrange bus transportation from Naantali harbor (since the ferry company requires that you have your own car onboard).



Information on Sunday's return transportation will be provided at the competition center's information desk.

The cost of the different transport options will be provided in the registration system. **Remember to book the transportation from our service shop beforehand!**

VETTERS' STATEMENT

The map is more detailed compared to an average Rogaining map and requires careful orienteering. Additionally, some of the terrain is very detailed.

VISAS

Finland is one of the Schengen area member states. Citizens of the Schengen countries do not need visas to travel to Finland.

Participants who are citizens of countries not belonging to Schengen area, please check what kind of travel documents you need to enter Finland: <https://um.fi/visa-requirement-and-travel-documents-accepted-by-finland>

COVID 19

The Finnish authorities do not require any COVID-19 vaccination certificates from people travelling to Finland.

ORGANIZATION

Event Director: Tapani Koskenoja

Vetters: Iiro Kakko & Juhani Isaksson

Course Setter: Timo Lainema

Contacts: erc2023@tume.fi

www: www.tume.fi/erc2023

Facebook: <https://www.facebook.com/ERC2023/>

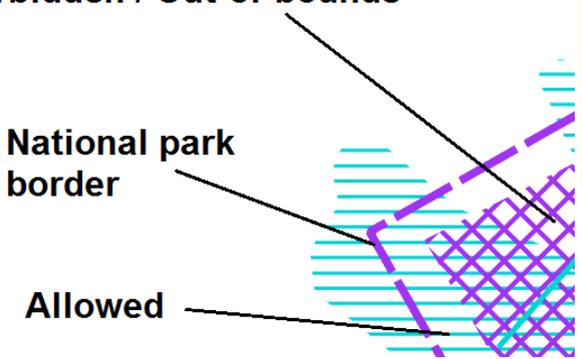
Instagram: <https://www.instagram.com/erc2023/?igshid=YmMyMTA2M2Y%3D>



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APPENDIX – MARKING OF THE OUT-OF-BOUNDS AREAS AND EXPLANATION OF SOME MAP SYMBOLS

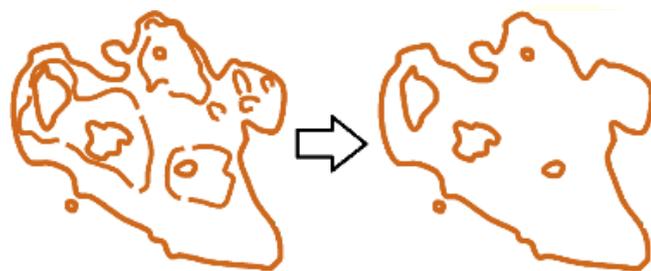
<p>All fields are out-of-bounds / forbidden areas for the competitors. There are no exceptions to this rule! Even if the field has been harvested, entry is strictly prohibited. Refrain from using the edges of the field as well. You can only walk/run completely outside of the field!</p> <p>If there are roads/paths across fields, you can use them if they are NOT marked forbidden with cross-hatching.</p>	
<p>The olive green area on the map marks private properties/yards, which are out of bounds.</p> <p>You CAN use the roads and paths passing by or going through properties if there is no cross-hatching on the map.</p>	
<p>You CANNOT use roads and paths passing by or going through properties if there is cross-hatching on the map. Thus, in the example on right, you can only use the path on east to go round the yards/properties.</p>	
<p>The competition terrain includes several areas in Kurjenrahka National Park. These areas in the national park are mostly out of bounds for the competitors. We will follow GPS in real-time to ensure that competitors do not enter the national park outside the allowed paths and corridors.</p> <p>The figure on the right shows how the borders of the national park have been marked on the map. The dashed line on the map indicates the border of the national park. You are allowed to cross this line/border unless the area right behind the line is marked forbidden with cross-hatching. Thus, only the cross-hatched areas within the national park are forbidden.</p>	<p>Forbidden / Out-of-bounds</p>  <p>National park border</p> <p>Allowed</p>

The examples on the right show allowed areas in the national park.



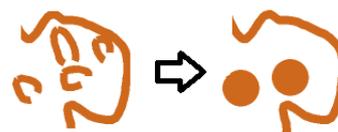
In the base material, the contours originally included 5 m contours and 2.5 m form lines (see picture on the right, the left part).

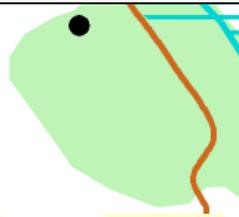
However, these form lines have been deleted from the final competition map (see picture on the right, the right part). This is because the map scale of 1: 30000 would be too detailed if the form lines were also included on the map.



In the base material, some the knolls marked with form lines were quite noticeable in the terrain (see photo). In these cases, we have often replaced the form lines with knoll dots on the map. These knoll dots on the competition map are much bigger than knolls on a normal orienteering map. The size of these knolls are typically at least 2.5 m high and the diameter is a minimum of 10-15 m.

All the knoll dots marked on the map have been marked on the map by the mappers. You can thus be certain that they do exist and are visible in the terrain.



<p>In the actual terrain, the national park border is periodically marked with white paint on the trees or with special signs (see picture). However, this marking is inconsistent, so you cannot be certain that you would always notice the border based on the tree markings.</p>	
<p>Cliffs marked on the map are should be at least 3 meters high. Please note however that the map base material did not include cliffs, so not all cliffs in the terrain have been marked on the map.</p>	
<p>Only boulders of more than 2 meters high have been marked in the map (with very few exceptions, when the boulder is otherwise dominant). Note, that the map base material did not include all boulders, so not all boulders in the terrain have been marked on the map.</p>	
<p>Some extremely large boulders have been marked with the symbol on right. These boulders are at least 4 meters high.</p>	
<p>There are hundreds of kilometers of watercourses/ditches in the terrain. We have made only a handful of updates to ditches on the map. In general, the ditches are quite reliable on the map, but you will need to exercise some skepticism on how accurate the ditches are on the map.</p>	
<p>The map does not have much green on it. On the one hand, this is because the forests have been logged so long ago that they are not bushy any more. On the other hand, most of the ERC fieldwork was done in winter and spring when there were no leaves on the trees. Thus, in places the map probably should have more green on it. In any case, impenetrable thickets do not exist in the terrain.</p>	
<p>Manned water stations are marked with the first aid sign.</p> <p>The location of the station is in the middle of the mug sign, unless there is an arrow and asterisk showing the location of the water station.</p>	



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There are many hunting towers in the terrain, mostly near the forest roads and paths. They are **not** marked on the map. The figure on the right shows a typical tower.



The small river west / south-west from the competition center (marked with **red line** in the map on the right) is quite deep and crossing it might require swimming.



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