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KUOPIO 2023

INTERNATIONAL ORIENTEERING WEEKEND Pre-WOC and Viestiliiga relay 26.-27.8.2023

BULLETIN 2

ROUTE-MAP-TO-WOC2025

2023

2024



WOC 2025

WORLD ORIENTEERING
CHAMPIONSHIPS
Finland | Kuopio

Pre-WOC (WRE) 26.8.2023

Viestiliiga 27.8.2023

General instructions for both competition days



Competition instructions (preliminary)

The competitions will adhere to the rules of the International Orienteering Federation (IOF) and the Finnish Orienteering Federation (FOF) and will implement the functions required for the 2025 World Orienteering Championships.

Event Organizer: Kuopion Suunnistajat ry

Competition Director: Raimo Kariniemi +358 503754103 Email raimo.kariniemi@woc2025.fi

Course Setters:

Middle Distance: Marko Uotila (WRE2023-, WCup2024- ja WOC2025), Markku Kotamäki, Raimo Antikainen

Relay League: Olli-Jussi Korpinen (Viestiliiga2023-, WCup2024- ja WOC2025)

Inquiries: Sakari Hyvönen +358 405246614 Email sakari.hyvonen@woc2025.fi

Website: www.woc2025.fi

IOF Technical Adviser: Jari Kymäläinen (IOF/Tampereen Pyrintö)

Supervisor: Pekka Hiltunen (Nurmeksen Sepot)

The Jury: Janne Salmi (Turun Suunnistajat) chair, Miia Niittynen (Kalevan Rasti), Antti Saikko (Tampereen Pyrintö).



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Cafeteria and dining

There is a cafeteria and grill at the competition center, offering items such as sausages, coffee, juice, and pastries. Cash and bank cards are accepted at the cafeteria.

Warm food is available at the competition center.

- Chicken soup or vegetable soup.
- Bread, margarine.
- 0.5 liters of water or sparkling water bottle.
- Price 10 € per portion.

Changing and showering facilities

No changing rooms. Bathing at [Syvähiekkä Beach](#).

Child care

At the competition center, there is a designated area for children. Registrations by August 24, 2023, at 18:00. When registering, please provide the child's name, age, possible allergies, parent's name and phone number.

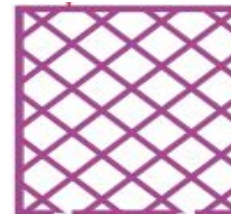
[Google Forms](#) for child care.

Competition terrain

The competition terrain has remained fairly similar to the Jukola Relay in 2014. However, there has been a little forestry work in the terrain. These areas may have logging residue that could slow down your speed.

Embargoed areas

Embargoed areas marked with a solid borderline on the map are enclosed in the terrain with continuous plastic tape. In areas where there is no solid borderline on the map, there is no plastic tape marking in the terrain. Please adhere to both indications.



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First aid

The first aid is located in close proximity to the finish area.

ISTV broadcasting

The competitions will be televised on ISTV. Watching the broadcast from personal mobile devices during the competitions is prohibited. It's also advisable to avoid downloading other data at the competition center to ensure uninterrupted visibility of the TV broadcast. There is a screen at the competition center where you can freely follow the broadcast.

Lost and found

Lost items can be inquired about at the Info. Items will not be forwarded by mail.

Parking and signposting

Free parking is available on [Räsälänlahti Road](#), with signs guiding to the competition center. The distance from parking to the competition center is 150–1500 m. Signposting colors to the start locations will be indicated at the competition center.

Shops

There is an orienteering equipment store Suunnistajan Kauppa at the competition center.

Special objects on the map

531 Prominent man-made feature – x.

The special feature marked with symbol 531 on the map is a car trailer, which serves as the final control point of the relay competition or a wooden structure for hunting purposes.



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Toilets and waste management

Toilets are available at the competition center, the Saturday quarantine area and the M21EA/EB and W21E pre-start. Please do not litter the competition center or the terrain. Let's keep the area clean!

Results service

Niko-Petteri Salo +358 405705672 niko@resultsalo.fi

Training maps

The area adjacent to the competition terrain is available for familiarizing yourself with the terrain. All training maps from the summer of 2023 can be found at www.woc2025.fi/for-teams/.

Transportation

Public transportation is not available.

Water

There is no water station in the terrain on Saturday or Sunday. On Saturday, water is available for participants of the M21EA/EB and W21E categories in the quarantine area and pre-start.



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Pre-WOC (WRE) middle distance 26.8.2023

Competition instructions

Map and Scale

- Map 2022, updated 2023 by Timo Joensuu and Janne Weckman.
- Printed Map by Grano.
- Scale 1:10 000 M21EA/EB and W21E, H/D21A, H/D35-40, H/D20, H/D18, H/D16, H/D14, H/D12, H/D12TR, H/D10RR, H/D8RR, Open RR categories.
- Scale 1:7500 H/D45 and older categories.

Map Size and protection

- Map size A4.
- Children classes TR, Open RR, and RR size A5.
- Maps are in sealed plastic cover.

Start times

The first start is at 11:00. M21E has been divided into categories M21EA and M21EB. The M21EA category is formed by the top 80 based on World Ranking Event (WRE) points. The rest form the M21EB category. In the M21EA/EB and W21E categories the highest scoring participant starts last. Participants without WRE points will be randomly assigned to start at the beginning of the start list. For other classes, start times will be drawn randomly. Start lists will be published online at www.woc2025.fi by Thursday, August 24, 2023, at 18:00.



Categories, number of participants (23.8.), distances, number of controls, total climb, start and awards

Classes	Participants	Distance (km)	Controls	Total climb (m)	Start	Awards
M21EA		5,90	18	250	1	3
M21EB		5,15	15	210	1	1
W21E		4,79	15	205	1	3
H21A		4,69	16		2	1
H35		3,70	13		2	1
H40		3,44	11		2	1
H45		3,29	11		2	1
H50		3,29	11		2	1
H55		2,96	11		2	1
H60		2,96	11		2	1
H65		2,64	12		2	1
H70		2,64	12		2	1

Categories, number of participants (23.8.), distances, number of controls, total climb, start and awards

Classes	Participants	Distance (km)	Controls	Total climb (m)	Start	Awards
H75		2,51	10		2	1
H80		2,0	9		3	1
H85		2,0	9		3	1
H20		3,96	12		2	1
H18		3,79	11		2	1
H16		2,96	10		2	1
H14		2,1	9		3	1
H12		1,7	8		3	all
H12TR		1,6	8		3	all
H10RR		1,4 / 2,3	6		3	all
H8RR		1,4 / 2,3	6		3	all

Categories, number of participants (23.8.), distances, number of controls, total climb, start and awards

Classes	Participants	Distance (km)	Controls	Total climb (m)	Start	Awards
D21A		3,70	13		2	1
D35		3,44	11		2	1
D40		2,96	11		2	1
D45		2,96	11		2	1
D50		2,64	12		2	1
D55		2,64	12		2	1
D60		2,51	10		2	1
D65		2,18	9		2	1
D70		2,18	9		2	1
D75		2,0	9		3	1
D80		2,0	9		3	1
D85		2,0	9		3	1

Categories, number of participants (23.8.), distances, number of controls, total climb, start and awards

Classes	Participants	Distance (km)	Controls	Total climb (m)	Start	Awards
D20		3,47	11		2	1
D18		2,87	10		2	1
D16		2,42	9		2	1
D14		2,1	9		3	1
D12		1,7	8		3	all
D12TR		1,6	8		3	all
D10RR		1,4 / 2,3	6		3	all
D8RR		1,4 / 2,3	6		3	all
RR Avoin		1,4 / 2,3	6		3	all
Kunto A su 27.8.		5,2	17			-
Kunto B su 27.8.		3,5	11			-
Kunto C su 27.8.		1,9	9			-

Model control point

The model control point is located at the competition center and at the quarantine area. Verify the functionality of your Emit card. There are also a few spare Emit cards available at the start. A model control point for the children's competition can be found at the starting area.

Competition numbers

M21EA/EB ja W21E competition numbers are at the quarantine area. Competition numbers for other categories are available at the Info desk. Please bring your own safety pins.

Rental Emit cards and changes

Rental Emit cards (5€) can be collected from the Info desk at the competition center. Payment methods are debit/credit card and MobilePay. Remember to return the Emit card after the competition.

Emit changes can be made by sending a text message to Niko-Petteri Salo at +358 405705672.

Control descriptions and Emit backup patches

M21EA/EB and W21E

Control descriptions are available at the starting corridor. Maximum size of the control description is 6 x 16 cm. Control descriptions are also printed on the maps. Emit backup patches are at the quarantine area.

Other categories

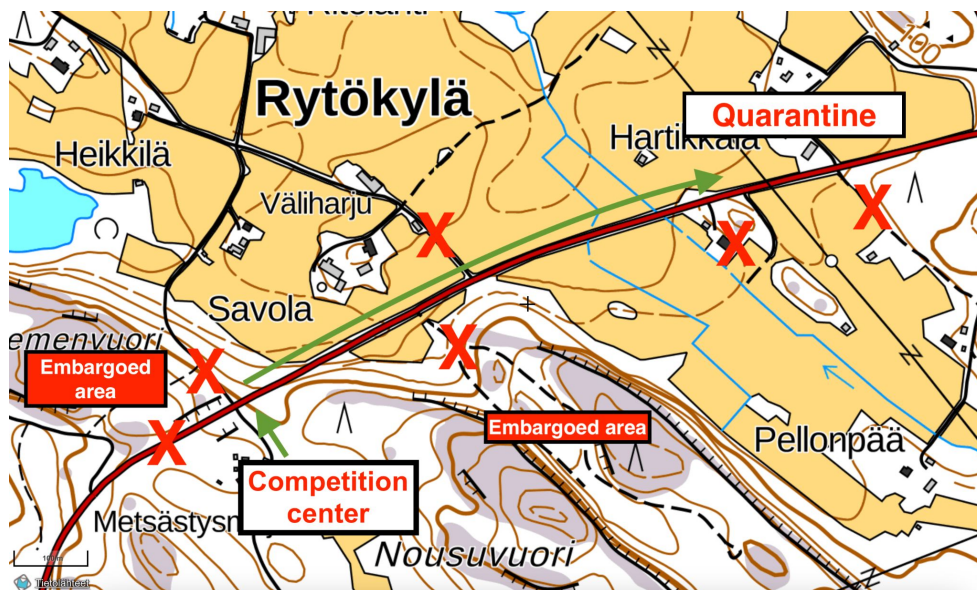
Control descriptions are printed on the maps and are available at the start for the H/D14 and older categories. Emit backup patches can be obtained from the Info point and at the start, adjacent to the numbers.



Guidance for M21EA/EB and W21E quarantine and starts of other categories

In the M21EA/EB and W21E categories, a quarantine area is in use. All participants in the M21EA/EB and W21E categories must be at the quarantine area by 11:45. The route from the event center to the quarantine area is marked with Emit tape. There is no quarantine for other categories. The guidance to the starts begins from the guide post at the competition center. The designated route must be followed.

Start	Distance	Partner
Start 1	To quarantine from the competition center 1200 m.	Emit
Start 2	To start 400 m	Pohjola
Start 3	To start 250 m	VJ Sport



M21EA/EB and W21E
quarantine in
[Google Maps](#)



Arrangements for the start

Classes M21EA/EB ja W21E

Quarantine (only M21EA/EB ja W21E) Google Maps

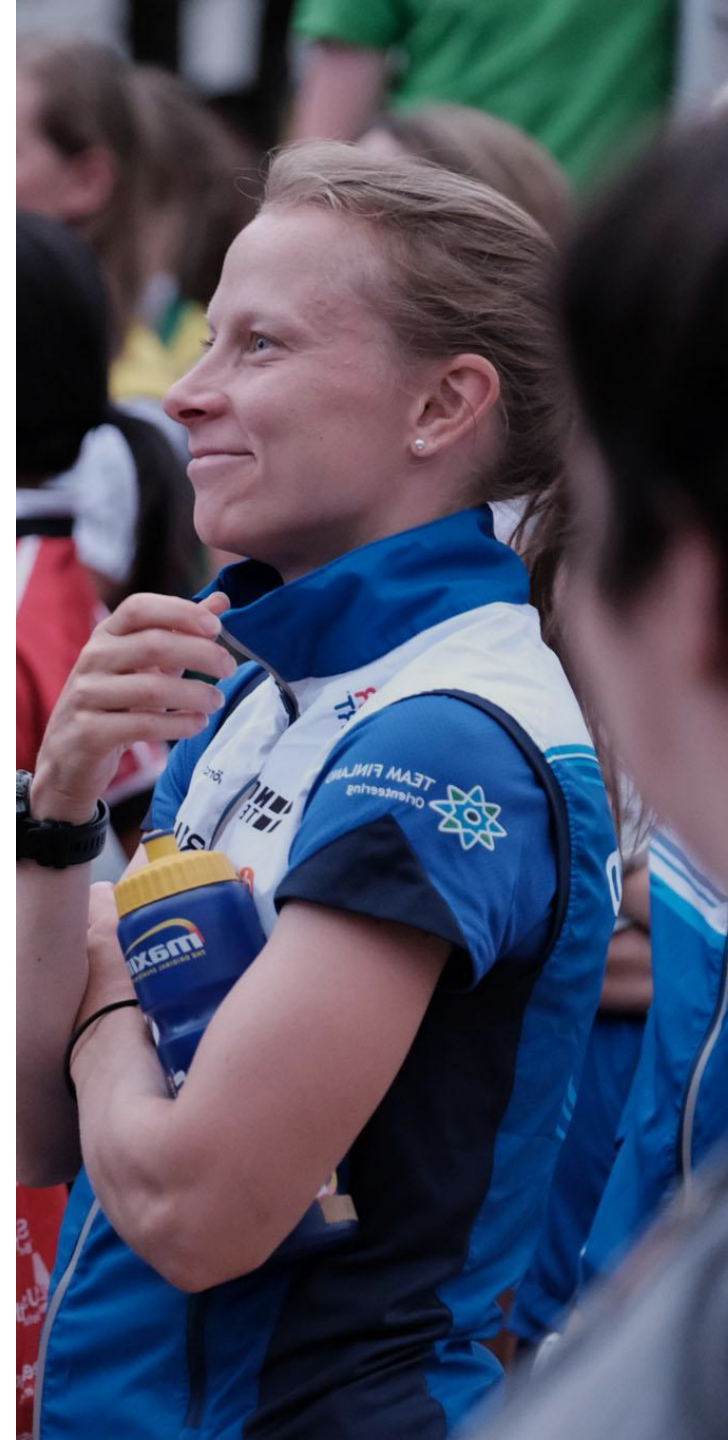
Quarantine applies to categories M21EA/EB ja W21E. Within the quarantine area, 2 relatively large storage halls on a farm are available for athletes' use. The quarantine area opens at 10:00. All participants in the M21EA/EB and W21E categories must be at the quarantine area by 11:45. Athletes are allowed to be in the competition center before the quarantine closes. Competition numbers are available in the quarantine area. Please bring your own safety pins. Emit backup patches and GPS vests are available in the quarantine area. Athletes are not allowed to use GPS devices, phones or any other communication devices in the quarantine area. Devices can be kept switched off in a bag. No maps are allowed to be brought into the quarantine area. Equipment will be transported by the organizer from the quarantine area to the competition center. Please use your own bag for equipment. The organizer provides water for competitors. The distance from the quarantine area to the start line is 1800 m. There is a toilet in the quarantine area. Athletes cannot return to the quarantine area after leaving it.

Warm-up area (only M21EA/EB ja W21E)

Upon leaving the quarantine area, athletes will receive a warm-up map indicating the warm-up area in the terrain and the route to the start. The route is marked with yellow plastic tape. The designated route must be followed. You can collect your warm-up clothes from the pre-start area after your race.

From pre-start to start (only M21EA/EB and W21E)

A pre-start is in use 5 minutes before the actual start time. Once arriving at the pre-start, the athlete is not allowed to leave from the starting corridor (5 min - 4 min - 3 min - 2 min - 1 min - start). Procedures and distances are shown in the table below. There is a toilet before the pre-start.



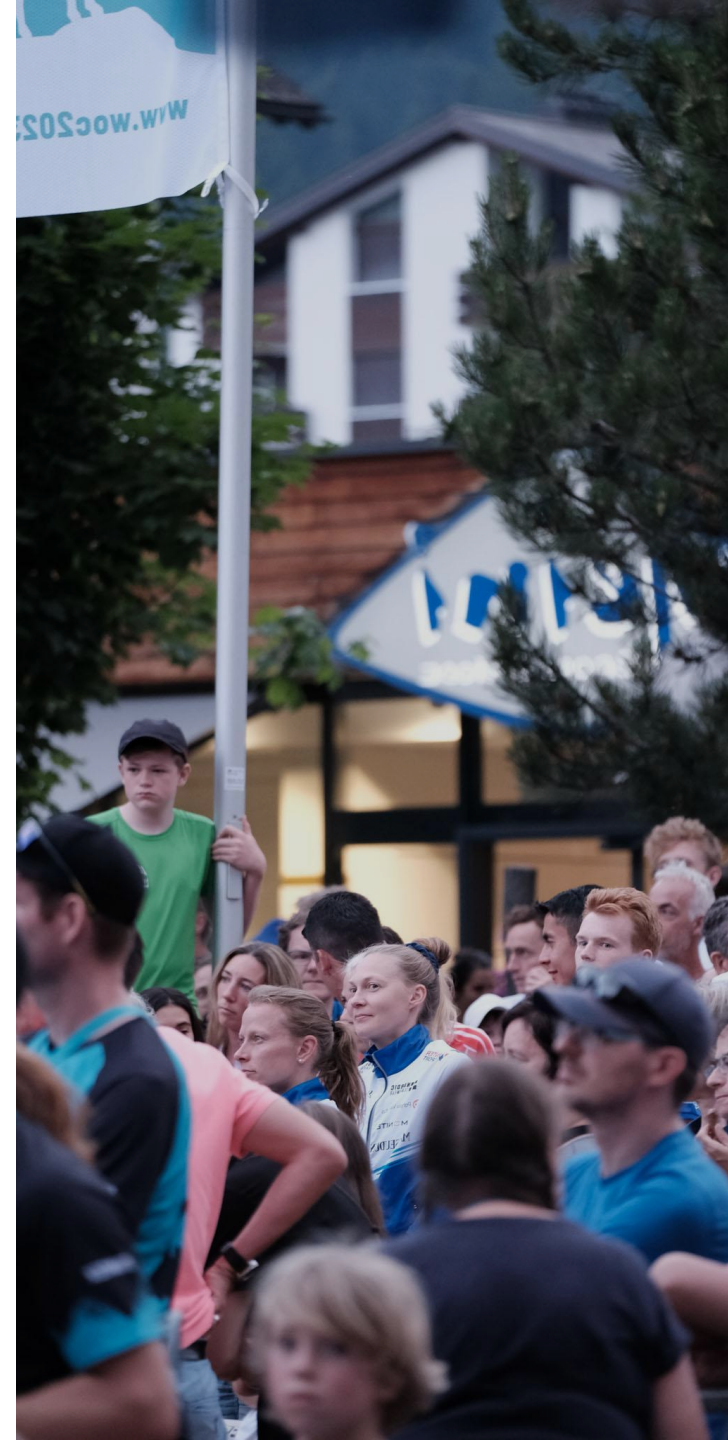
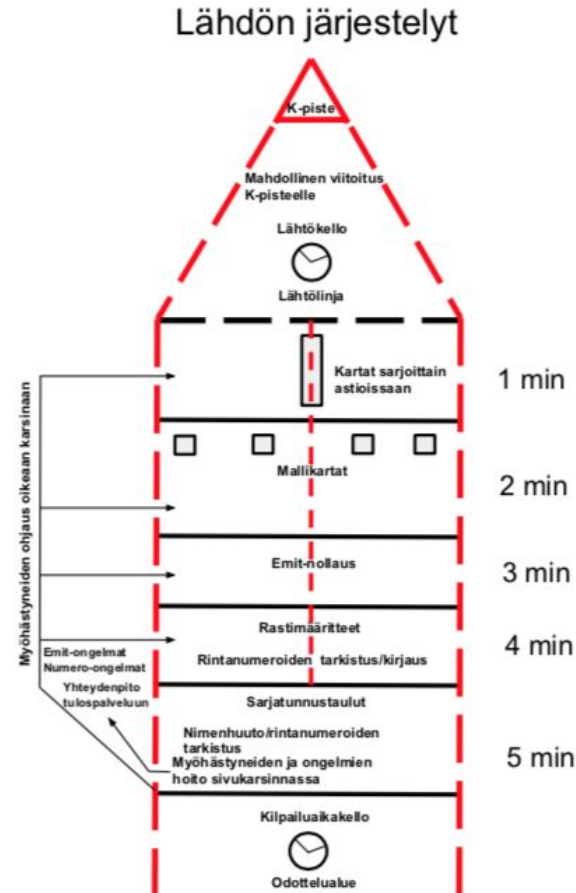
Where	Distance	What
Quarantine		Competition numbers, emit backup patches and GPS vests.
	1200 m	
Warm-Up area		Area size 180 x 80 m.
	180 m	
Pre-Start - 5min		Distribution of GPS devices.
	30 m	
- 4min		Check the starting number.
	30 m	
- 3 min		Control descriptions.
	30 m	
- 2 min		Reset of the Emit.
	80 m	
- 1 min		Check of the starting time and move to the starting line.
Start time	0 m	The competitor is responsible for the correct starting time. The competitor takes the map and ensures having received the correct map.
Start triangle	60 m	Mandatory route to start triangle where orienteering starts is 60m.



Classes H/D16-85

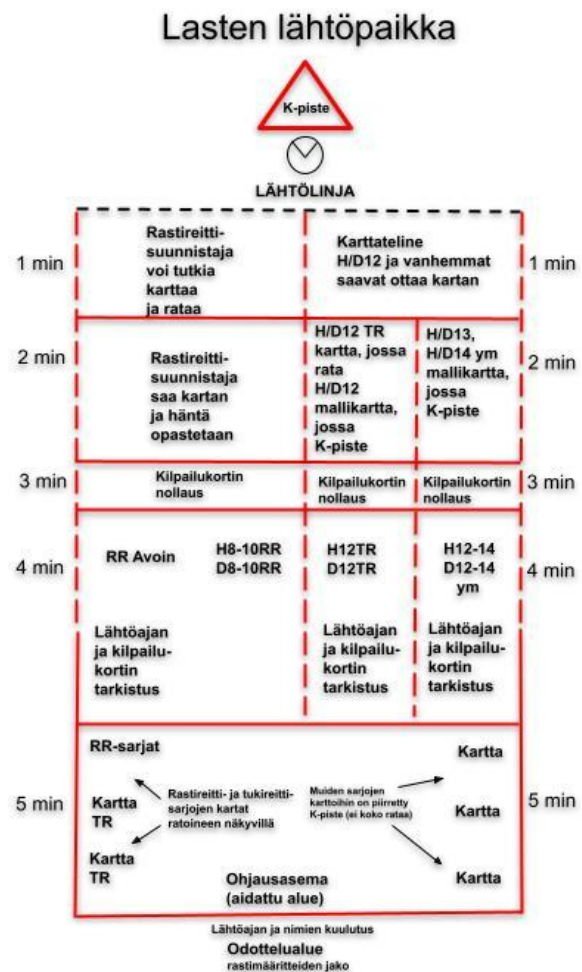
Start procedure

- 5 min before start: The competitor is called.
- 4 min before start: Control descriptions and check competition number.
- 3 min before start: Emit reset.
- 2 min before start: Model map can be seen.
- 1 min before start: The competitor places himself/herself next to the right map bucket.
- The start: the competitor takes the map at the right start time.
- The start triangle is at the start.



Children classes RR Open-, H/D8-10RR-, H/D12TR- and H/D12-14

- 5 min: Model map can be seen.
- 4 min: Check start time and Emit card.
- 3 min: Emit card reset.
- 2 min: The competitors of RR Open and RR classes receive their maps and are guided. TR class participants have the competition map with courses visible. H/D12 and H/D14 participants see a map with the start triangle marked.
- 1 min: RR Open and RR competitors are allowed to familiarize themselves with the map. TR competitors, as well as H/D12 and H/D14 participants, move to the map bucket and collect their own maps.
- The start takes place upon the signal of the starting clock.



Instructions for open, RR, and TR classes

The route for RR classes is marked in the terrain with a continuous white plastic tape. On the map, the tape is indicated by a translucent orange line. The control points along the RR route have regular control stands and flags, each marked with identifiers RR1, RR2, and so on. At the last control point, there are two stands: one with the RR identifier and the other with the code 200. You can use any of the punching units at the last control point. Participants in the RR series will not be disqualified for missing or incorrect punches. Instead, their finish time will be increased by 10 minutes for each missing control punch. The marking of TR classes, both in the terrain and map, is similar to RR classes, respectively. The control points of the TR classes are marked with regular number codes. You can use any of the punching units at the last control point.

At the finish, it will be checked that the participant has visited the control points in the correct order. The performance will not be disqualified if the participant has accidentally visited the wrong control point for punching. There might be incorrect punches in between, but as long as the punches for the correct control points are present in the correct order, the performance will be qualified. This applies to all participants. In the RR Open class, a companion is allowed, and there are no gender or age restrictions.

Finish

From the last control point, there is a marked route to the finish. Athletes must follow the marking. Competitor's time stops at the finish punch at the finish line. After that, the athlete proceeds on a marked route to read-out of the Emit card. Any issues upon the read-out will be reported to the competitor immediately. The finish will be closed at 15:00.

Returning of the maps

Competition maps will not be collected at the finish.

Complaints and protests

Participants who have not finished their race must report to the finish personnel. Complaints and protests will be handled according to the IOF competition rules for M21EA/EB and W21E classes (World Ranking Event) and to the national competition rules (FOF) for other classes.

Open class orienteering

There will be no open class orienteering on Saturday.

Prizes

The top three in the M21EA and W21E and one in the M21EB will be awarded prizes after the results have been confirmed. All children up to 12 years of age will receive prizes upon reaching the finish. Winners of other categories can collect their prizes from the Info desk once the results are final.

Viestiliiga 27.8.2023

[Viestiliiga.fi](https://viestiliiga.fi)



Map and scale

- Map 2022, updated 2023 by Timo Joensuu and Janne Weckman
- Printed Map (Grano)
- Scale 1:10 000
- There is no model map at the start- and exchange area

Map size and protection

- Map size A4
- Map is in a sealed plastic cover

Classes

For club teams H21 and D21 (both with 3 legs). Orienteers from different clubs or countries can form mixed teams and compete in the relay outside of the official competition. Their results will not be considered for the Relay League points, and no awards will be given for those competing outside the official competition. Women are allowed to represent mixed teams in both D21 and H21 categories.

Competition material

Competition material (including competition numbers, Emit backup patches and rented Emit cards) can be collected by clubs at the Info desk in the competition center starting from 9:00 on Sunday. Only those clubs that have paid all their fees and submitted their running orders will receive the competition material. Remaining payments can be made at the Info desk. A fee of 80 € per card will be invoiced to the club for any unreturned rental Emit cards. The competition material does not include safety pins.

Start, start triangle and marked route

The start of the relay is at the competition center. The length of the marked route from the start to the start triangle is 120 meters. Signposting from the last control point to the exchange area and the finish is provided. Signposting marked on the map and terrain must be followed.



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Control points

Control points are marked in the terrain with orange–white control flags. There are also control points used in Saturday's competition in the terrain. Online control points are used on all legs. A model control point is located at the competition center. The model control point also features a reset punching unit, which provides an opportunity to test the functionality of the Emit card.

Control descriptions and codes

Control descriptions are printed on the map. The course printing includes control numbers and codes. For those using an Emit card with a display, please be aware that the Emit code on the punching unit might not necessarily match the control code. Always verify the control code printed on the control stand at the control point when punching.

Competition numbers

Competition numbers are used for all legs. The number must be attached clearly and visibly to the chest. Team numbering is based on the Viestiliiga point standings. Competition and leg numbers or partner logos must not be covered.

Emit cards

An electronic Emit EKT timing system is used in the competition. Emit backup patches will be distributed with the team's competition materials. Write the team's number, leg and Emit card number on the patch. The Emit card memory must be reset when moving to the start and exchange area. Same team runners must use different Emit cards. If an Emit card is found non–functional before the exchange, the organizers will provide an Emit card on loan. Rental Emit cards can be collected from the Info desk.



Distance, leg time and estimated exchange time

D21

Leg	Distance	Leg time	Estimated exchange time
1.	4,2 - 4,3 km	34 min	11.34
2.	4,3 - 4,4 km	34 min	12.08
3.	4,2 - 4,3 km	32 min	12.40
Total	12,9 km	1 h 40 min	

H21

Leg	Distance	Leg time	Estimated exchange time
1.	5,4 - 5,5 km	35 min	13.05
2.	5,4 - 5,5 km	34 min	13.39
3.	5,7 km	37 min	14.16
Total	12,9 km	1 h 40 min	



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Running orders and Emit card numbers

Teams' running orders and Emit card numbers must be submitted to Irma registration service no later than Saturday, August 26th, at 18:00. Mixed teams by email to niko@resultsalo.fi. After this, changes to the running orders will only be accepted and allowed by the competition supervisor for justified reasons.

GPS-tracking

GPS-tracking is used on all legs. The GPS vest can be picked up from the GPS tent starting on Sunday at 10:00. The competition number must be presented when collecting the vest. The GPS-tracking device is installed on the competitor at the GPS tent during the check-in process. After the leg, the competitor returns the GPS device when leaving the Emit read-out point. For the 1st leg, GPS devices are given to those teams published on the competition website prior to the competition day and on the competition center's Info. More teams may be selected for tracking during the race. These teams will be informed by the announcer and officials at the check-in point. The organizers have the right to change the teams being GPS tracked as needed during the competition. A selected team for GPS-tracking that refuses to carry the tracking device will be disqualified from the competition.

Start

The start time for relay team D21 is 11:00 and for relay team H21 it's 12:30. The resetting of the competitors' Emit cards for the first leg begins 30 minutes before and ends 10 minutes before the start. After entering and resetting the Emit card, the competitors of the 1st leg move to the starting area. The map can be taken from the map stand once the announcer has given a permission to do so. The map is rolled, and it can only be opened at the start moment. Competitors proceed to their starting positions according to the announcer's instructions. They line up in rows, each containing 10 orienteers. The numbering is shown at the end of the row. The map must not be opened before the start. The starting signal is fired with a shotgun. The orienteer must verify that their map displays the correct race and leg number. The start is recorded on video and a team that takes a false start is disqualified.



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Map flip

Map flipping is used on certain legs. The first part of the course printed on side 1 of the map ends at a control point. The second part of the course printed on side 2 of the map starts from the same control point, marked with a start triangle on side 2. The control point numbering continues consistently throughout the course. "Part 1" and "Part 2" are printed above the printed control descriptions on the map.

Exchange

The exchange is done by touching. The orienteer of the 2nd and 3rd leg can take their rolled map from the map stand when they see their relay team's runner approaching the exchange area. Do not unroll the map before the start of the leg. A team whose competitor takes the wrong map will be disqualified. If someone has taken your team's map, inform an official. The departing orienteer will then receive a new map from the reserve map location next to the map stand. The time taken to get a reserve map will not be compensated. All legs approach the exchange through the same last control point. From the last control point, follow the markings to the exchange point. Remember to punch your Emit card at the finish line when you come to exchange. The arriving competitor touches the departing competitor, after which the arrived competitor proceeds to the Emit read-out. Maps are collected from the 1st and 2nd leg runners immediately after the exchange.

Finish

From the last control point, teams will run along the marked route to cross the finish line and punch their Emit card. The finishing order of teams from 1st to 10th place is determined by the finish judge. Placement is determined at the finish line. Punch your Emit card immediately after passing the line. The team's total competition time will be recorded. Placement from 11th place onwards is determined based on the finish punching order. After crossing the finish line, competitors proceed to the punch check.



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Quitting the race

Competitors who did not finish the race should proceed to the exchange/finish as usual. The competitor reports about quitting at the read-out of the Emit card. In a case where the competitor is unable to come to the read-out point (e.g. due to injury), the competitor must hand over the Emit card and the competition map to an official. A withdrawn team (following either quitting or disqualification) is allowed to continue the relay all the way to the finish. However, if the withdrawn team is less than half an hour behind the leading team, it's relay continuation will be delayed. The next competitor who hasn't started yet will be allowed to start only after half an hour has passed since the leading team's exchange. The starting permission will be given by the official at the exchange point. The result time of a withdrawn team will not be included on the official results list.

Disqualifications and protest

If there are issues in the punches, an official will propose disqualification, which will be immediately resolved at the Emit read-out point. A team will be disqualified if the performance is found to be incorrect due to missing or incorrect control punches or wrong punching order. Protests will be handled according to national (FOF 1.8.2023) competition rules.

Prize giving

The top 3 club teams from both categories will be awarded. The prize giving will begin as soon as the winners are determined. The awarded teams should listen for announcements. Teams should proceed to the prize giving area following the instructions of the officials. Mixed teams are allowed to participate in the competition, but they will not receive awards.



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Re-Start

The re-start for the D21 category will take place after the women's category winner crosses the finish line. The re-start for the H21 category will take place before the winner crosses the finish line. For exact re-start times and procedures, follow the announcer's instructions.

Map return

Competition maps will be returned to the runners at the Info desk after men's re-start.

Open class orienteering

During Sunday's relay competition, there will be an open class orienteering event with its own start and finish location.

- Access to the forest will be available from 11:00 to 12:00.
- Individual classes: Open A 5.2 km, Open B 3.5 km, and Open C 1.9 km.
- Map scale Open A 1:10 000, Open B and C 1:7500.
- Price 15 euros.
- Payment methods: debit/credit card and MobilePay.
- Pre-registration and payment can be done through the www.rastilippu.fi service. Registration for the recreational orienteering event is available at the Info.

Pictures: SSL, Layout: i2, Typesetting: Sakari Hyvönen



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Only in Kuopio you can
find the model terrain for
WOC 2025.

WELCOME!



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