Let's meet at the orienteering festivities in Vuokatti! Welcome to Kainuu Region.

Dear orienteering people all over the world,

When writing this, we in Finland are beginning to celebrate the Midsummer Eve. But in this year we in Kainuu are even more eagerly waiting for the World Orienteering Championships 2013 to begin on the 6th of July.

Kainuu is one of the smallest regions in Finland. The whole region has about 80 000 inhabitants, but the surface area of Kainuu is almost the same as Belgium has. This means that organizing the big event is a great challenge for the whole region. We have promised to organize the best World Championships of all times. But with no doubt, Kainuu will succeed.

Why I am able to promise this? Kainuu has very motivated, competent and experienced organizers within the orienteering clubs. Kainuu Orienteering Week is together with O-Hagen the world’s oldest middle distance orienteering event - organized annually since 1966. During the last two years in Kainuu there has been organized two Kainuu Orienteering Week (Kuhmo 2011 and Kajaani 2012), Europameeting 2011, Youth Jukola Relay 2011 and in 2012 national youth orienteering camp (Leimaus) and the World Cup finals!

On the behalf of Kainuu Regional Council I would like thank the organizing committee and all the volunteers who will take the great challenge in July.

At this moment we already know that Vuokatti WOC 2013 together with Kainuu Orienteering Week 2013 as a spectator race will be the biggest orienteering event in Finland by far. We are also happy to see that our event will attract a large number of foreign competitors and orienteering friends to visit us.

We already have seen the top athletes of orienteering to train in our forests and streets here in Kainuu. But when the competition guests are arriving from dozens of countries the atmosphere will be international. It is easy to imagine the atmosphere of electric and lively excitement in the competition centres and - thanks to TV and Internet - even all over the orienteering world!

I hope that we all together will make the WOC 2013 week an unforgettable event. It is the best possible advertisement for orienteering and Kainuu region as well. We hope to see you also in the forthcoming years in Finland and participating Kainuu Orienteering Week – the next one will be organized in 2015 by Saarumaisalmi.

Let’s meet at the orienteering festivities in Vuokatti! Welcome to Kainuu Region.

Pentti Malinen
Regional Mayor

Welcome by Municipal Manager Sotkamo

Dear Participants of the WOC 2013 in Vuokatti

It is with great pleasure and honour, that I have the opportunity to welcome orienteers from all over the world to Sotkamo and Vuokatti. WOC 2013, including World Orienteering Championships, World Trail Orienteering Championships and spectator race Kainuu Orienteering Week, will be organized. We are very honored to organize the 30th World Orienteering Championships.

The organizers have launched a challenging vision of the WOC 2013. According to the vision both spectators and competitors will look back on as the best organized and most experience-filled WOC 2013 of all time. We want to offer spectators and our guests not just the excitement of orienteering but also a memorable WOC week with many interesting activities.

Vuokatti, as the most popular year-round tourist resort in Finland, will for sure offer to everybody great possibilities to enjoy staying with us. In Vuokatti you can find diverse services and versatile activities as well as peaceful nature, luxury and relaxation.

The competition areas will offer an outstanding view to the beauty of Finnish nature. The terrain will for sure satisfy the most demanding expectations of the competitors. Also spectators will have great opportunities to follow every event during the competition week.

It is also remarkable that there will be 91 athletes from 20 nations competing at WOC in Vuokatti. Vuokatti Sport Institute has done a great job in offering for disabled individuals great training and competition possibilities in various disciplines of the sport. This in mind, the WOC has a great importance for us.

Spectator race Kainuu Orienteering Week will break its records as there will be a total of 8000-9000 runners participating in KOW.

Everybody, here in Sotkamo and Kainuu, wants to offer only the best to all our visitors. WOC 2013 in Vuokatti will be a great sporting event and it will also be an opportunity for us to show, that we can organize events with great professionalism, using all our best resources.

Thanks to all the organizers of WOC 2013 and also to all the sponsors.

Let’s enjoy this magnificent spectacle. You are all heartily welcome!

Petri Kauppinen
Municipal Manager Sotkamo
2. Organizers

Chairman Timo Härkönen
Vice Chairman Timo Welsby
Secretary General Mika Tuononen
WOC Event Director Jyrki Uotila
WOC Secretary Niina Jämsén
WTOC Event Director Antti Flöjt
WTOC Secretary Marita Kaipainen
KOW Event Director Jukka Luhta
KOW Secretary Hilkka Malinen
Marketing Manager Markku Haverinen
Media Director Kari Kinnunen
Communications Manager Heidi Lehikoinen
Infrastructure Ilkka Härkönen

Maintenance Jyri Immonen
Ceremonies Helka Leimu-Pelkonen
Transport Aulis Kortelainen
Catering Marika Paananen
IT Kimmo Kauppinen
Security Topi Härkönen
Medical Marko Hoikka
Maps and courses Pasi Jokelainen
VIP Hospitality Kari Saukkonen
Finnish Orienteering Federation Mika Ilomäki
Finnish Orienteering Federation Peltomäki Palmi
Sotkamo Municipality Jarmo Vilni

3. Competition Officials

Mapping

Jury

Pasi Jokelainen Head of Maps, Sprint
Rauno Asikainen Printing, Long Distance
Jussi Silvennoinen Middle distance and relay
Pekka Hiltunen Training maps
Kimmo Nykänen Training maps

Event Advisers

Jukka Kemppainen Sprint
Antti Schroederus Sprint
Jussi Silvennoinen Long
Samuli Launainen Long
Birte Vartiainen Middle and relay
Jarmo Tonder Middle and relay

Björn Persson Leader of Event Advising Team
Henning Spjelkavik IOF Senior Event Adviser
Heikki Peltola National Event Adviser and Course Adviser, Middle and relay
Jarmo Puttonen National Course Adviser, Sprint
Taisto Kemppainen National Course Adviser, Long

Main sponsors

![Sponsor Logos]

Partners

![Partner Logos]

Partners and suppliers

![Supplier Logos]
## 4. Programme

### World Orienteering Championships in 2013

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Event</th>
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<tr>
<td>Thursday 4.7</td>
<td>9:00-12:00</td>
<td>Model Sprint Qualification</td>
<td>Vuokatti</td>
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<td>Model Long Distance</td>
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<td>Model Middle Distance Relay</td>
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<td>9:00-12:00</td>
<td>Model Sprint Qualification</td>
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<td>17:00-18:30</td>
<td>Deadline for team changes</td>
<td>WOC Office/EVENT Centre</td>
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<td>18:00-19:30</td>
<td>Team Officials’ Meeting</td>
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<td>Long Distance Qualification</td>
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<td>Sprint Qualification</td>
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<td>13:10-16:30</td>
<td>Team Officials’ Meeting</td>
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<td>9:00-11:00</td>
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<td>14:45-16:30</td>
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<td>Hiukka</td>
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<td>Sprint Final</td>
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<td>Tuesday 8.</td>
<td>9:00-12:15</td>
<td>Middle Distance Qualification</td>
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## 5. Important deadline

6th July 2013 at 12.00
Deadline for changes in the team

## 6. Late payments

Late payments can be accepted at accreditation. Payment by credit cards will also be possible. Please note that no participant will receive accreditation unless all invoices have been settled.

## 7. Event Centre

Event Centre is located in Vuokatti Sports Institute.
Address: Vuokatin Urheiluopisto
Osipontie 1
88615 Vuokatin Urheilupsito
Meeting rooms for team meetings can be reserved in Break Sokos Hotel Vuokatti.
Please contact Hotel reception, tel. (+358) 020 1234 688.
WOC Office

WOC Office is located in the Event Centre in Vuokatti Sports Institute. Accreditation is performed in the building Pallohalli and Team Officials’ Meetings are held in the same building in the auditorium Iso-Pölly.

In the arenas, WOC Office is located on the site of the finish area. It is the place for official communication between teams and organizers during the competition (to get complaint forms, to make a complaint, etc.).

For accreditation, team leaders must show their team members’ passports to prove their nationality and full passport-holding citizenship of the country of their Federation (Rule 6.2.).

Teams will be asked to give the phone numbers of team contacts to the WOC Office so that the organisers can quickly contact key team officials if necessary.

Contact: Niina Jämsen, info@woc2013.fi, tel. 044 7625726.

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<thead>
<tr>
<th>Day</th>
<th>Opening hour</th>
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<tr>
<td>Thursday 4.7.</td>
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<td>Friday 5.7.</td>
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<td>Saturday 6.7.</td>
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<td>Sunday 14.7.</td>
<td>9.00 — 12.00</td>
<td>Event Centre</td>
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Medical care

There is a first aid station at the competitive centres during competitions. At the event area there are also travelling first aid squads.

If a competitor is injured on the terrain, the situation and the location of the patient must be notified to the nearest control person/finish line. First aid and the evacuation are organized by the first aid crew.

Injuries / illness occurring outside of competitive activities are treated by the public health care system.

Sotkamo health centre, Keskuskatu 9, Sotkamo
An on-duty doctor for appointments Monday – Friday 9-15
Nurse: health advice/appointments (+358) 8 6156 5009

At other times,
Kainuu Central Hospital, Sokkumiestentie 13, Kuusamoinen
Emergency duty service on Monday - Thursday at 15.30-8.00
Weekend service from 15.00 on Friday to 8.00 on Monday.

In the case of emergency: The national emergency number is 112.

24-h nurse health advice (+358) 8 6156 6000.

There are private medical services also available in Vuokatti.

Media

Most of the media representatives will be accommodated at the media hotels Sokos Hotel Vuokatti and Hotel Tulikettu. In order to make the media work during the WOC as smooth as possible for the athletes, we kindly ask all teams to give the team’s media contact in the entry form. This information will be provided to all media representatives at WOC.

Media & ceremonies

After finishing their competition and returning the GPS equipment, all athletes will exit through the mixed zone. Field interviews with various athletes take place before entering the mixed zone always in cooperation with the host broadcaster. The host broadcaster should in all cases have the possibility to do the winners’ interview prior to the flower ceremony, so we kindly ask everyone’s help with that.

Press conferences

After flower ceremonies, the chaperones will guide athletes to the press conference to be held in a media centre at the arena (in Kumpula and Koulurinne) or in a press conference room (in Hiukka, stadium building). The press conferences will take place immediately after each final and will last approximately 10 minutes. After the qualification races interviews take place at the mixed zone.

There will also be a pre-WOC press conference at the Event Centre auditoriumIso-Pölly on July 6 at 4pm. Some Finnish and international athletes will be invited to be present.

Anti-doping

Doping controls on the competition days will take place after the press conference. Anti-doping chaperones will accompany the athletes all the way. More information about anti-doping is chapter 12.
11. Ceremonies

Opening ceremony

The WOC / WTOC Opening ceremony is held on Mon 8 July at 16.45 hrs at Hiikka Arena.

The ceremony lasts 45 mins followed by the Sprint Final start immediately after the Opening ceremony at the same venue.

Teams will attend the opening ceremony in their official team uniforms.

Reserved seats for the teams are in the section 1A, 1B, D1 and D4. Seats are in alphabetical order according to IOC country code (e.g. ARG, AUT etc.) and the teams are asked to sit in the designated area. National flags and presentation of teams is the first number in the ceremony, so we kindly ask teams to be seated by 16.35 hrs.

Presentation of teams

National flags are brought to the Arena by local school children. There is no team parade. When the announcement welcomes your flag and country in, the team stands up and greets the audience by waving hands.

Flower ceremony

The flower ceremony starts as soon as the top three athletes have been established. Chap- erones will accompany medalists from the moment the top three of the race are clear. Athletes will proceed to the flower ceremony in the competition outfit. The ceremonies will be broadcast, so it is necessary for all parties involved to respect the schedule and follow the instructions of the chapereons. As usual, in the end of the ceremony, the photographers will have a brief possibility for photo shoot with all medalists or individually.

Award Ceremony

The award ceremonies are held as follows:

- Mon 8 July at 26.45 hrs
- Tues 9 July at 20.00 hrs
- For 10 July at 26.00 hrs
- Sat 13 July at 18.20 hrs

The top 6 athletes / teams are asked to assemble in the call room (close to podium) 15 mins prior to the ceremony.

Dress code: National team outfit. No items (sunglasses, bottles, competition equipment, mobile phones, hats, neckbands, headbands, other gadgets or accompanying persons are allowed on the stage.

Closing ceremony

The WOC / WTOC Closing ceremony is held on Sat 13 July at 18.45 hrs at Kainuu Arena. The ceremony is held immediately after the Relays’ Award Ceremonies, in the same venue.

12. IOF Officials and WOC2013 Guests

We welcome IOF officials and WOC Guests to Vuokatti and WOC 2013. IOF officials, VIPs and WOC Guests are asked to register through the online accreditation system. The accreditation fee is 100 EUR.

Accreditation gives the right to:

- Use the VIP tent in the competition areas
- Receive start and result lists and WOC competition maps
- Participate in the IOF VIP/Media race
- Replace the bibs at the center WOC Office after each competition
- Use the VIP tent in the competition areas
- Receive start and result lists and WOC competition maps
- Participate in the IOF VIP/Media race

Accommodation has been reserved in Sokos Hotel Vuokatti where all IOF meetings and the IOF Presidents’ Conference will take place.

VIP and guest registration for the WOC Transport to be organised on Saturday, 13 July 2013, is performed through the registration and accreditation system on the WOC website. The transport fee is 30 EUR. The accreditation will not be valid until the full accreditation fee has been paid.

Transport to the arenas and model events will be provided to the VIPs and media representatives who have requested and paid for a transport package. More information about the package including schedules and routes can be found in section 10., Transport and parking.

VIP accreditation cards, transport tickets and parking tickets will be provided by the WOC2013 office at the Event Centre. There are reserved parking areas at all arenas except for the sprint final.

IOF/VIP/Media race is arranged on Wednesday 10 July at 15.30-18.00 in Vuokatti- rimet, Vuokatti. Map is in scale 1:4000 and terrain is race for running and walking.

13. Transport and parking

Teams, VIPs and media representatives are free to use their own transport to all events. There are reserved parking areas at all arenas except for the sprint final.

Athletes and coaches will be transported by the organizers from quarantine to the pre-start areas.

Transport Package to teams, VIPs and media representatives includes transportation from the Event Centre to arenas, model events and quarantine area following given timetable. Transport package timetables are presented in the model event and competition chapters 19 and 22 separately for each event.

Transport routes and daily schedules to the arenas and back to the Event Centre are presented in a shuttle bus timetable. These bus routes are also included in Transport package. In the transport guide you can also find information about other routes in the Vuokatti and Sellantra area.

14. Team material and information

Each team will get a WOC 2013 information/material package from the WOC Office after accreditation.

The package includes the following items:

- Bulletin 4 for all team members.
- Emit cards, EmiTags and GPS vests for the whole WOC week.
- Each Emit card and EmiTag is assigned by name to each competitor and can be used only by another athlete. GPS vests are assigned by name to each competitor but can be used by another athlete. All these must be returned at the latest after relay to the Event Centre office. A charge of 100 EUR will be imposed for any lost or missing Emit card, EmiTag or GPS vest. After the relay, team leaders must return all Emit Cards, EmiTags and GPS vests together to the Event Centre.
- Model event maps for all team members except for sprint qualification and final. Model events for sprint competitions will be organised according to the schedule in section 4 of this bulletin and maps will be available at the start.
- Admin forms for competitions. All entries must be delivered to the Event Centre WOC Office or the Arena WOC Office at the latest at 12.00 prior to the qualification race day and the relay day (see the programme for more details).
- Parking tickets for team vehicles.
- File for finish area permit.

Bulletin 4 is the most important source of competition information to teams. This information will be complemented in Team Officials’ Meetings prior to each competition day. Please note that the Team Officials’ Meeting for long distance final will be held together with sprint on 7th July.

In order to allow Team Officials’ Meetings to be productive and flexible, please contact the Event Director already before the meeting if you haven’t received the necessary information from the bulletins or by taking part in the respective model event. This will enable the organizer to include the missing details in the meeting presentation before hand.

E-mail: jyrki.oulu@woc2013.fi, tel. 0408 618074.

All competitors must wear their respective number bibs at all WOC 2013 competitions. The bibs will be available in the quarantine area.

In the qualification races the competitors must wear their bibs on the front. In the final races the bibs must be worn both on the front and the back. The bibs must be visible in their entirety, they shall not be folded over or cut down.

Information for teams will be available on the WOC2013 website at www.woc2013.fi (Events/Teams) during the WOC week. The minutes of Team Leaders’ Meetings, for example, will be published there.

The accreditation for athletes and team officials includes model events, competition maps, start and result lists. Competition maps and result lists are handed out at the Event Centre WOC Office after each competition to one representative of each team.

The WOC entry fee for athletes includes participation in the WOC competition Qualifica- tion and final when qualified.

The accreditation for athletes and team officials includes participation in Kainuu Ori- enteering Week in Open categories. Participation in competition categories of Kainuu Orienteering Week is not included.

GPS vests

GPS vests are needed in all competitions except women’s long distance qualification. GPS vests need to be worn under the shirt. Should you forget to bring your own vest the organizer will have heavier vests available at the pre-start. Notice that there is only a limited selection of sizes (S, M, L, XL). The vests can be washed in 30°C without drum drying. Notice that only non-permanent adjustments to the vests with tape or similar are allowed. Please contact the WOC Office if you need to borrow a GPS vest.
15. Anti-Doping

Doping is strictly forbidden, and the organizers of WOC2013 are dedicated to supporting the anti-doping authorities in their work.

Doping controls may be carried out any time during the competition period. As some sites for the doping controls may be a few minutes’ drive away, we suggest that athletes are prepared at all events to take along some dry clothes to change into after their race.

Doping tests are always carried out in accordance with the procedures described in the WADA International Standard of Testing. The IOF Anti-Doping Code and rules apply as of 1 February 2010.

Athletes who are selected for the doping tests must bring an official identification (with photo) to the doping test area. Accreditation cards with photo can also be used for this purpose. The athlete should also bring along their therapeutic use exemptions (TUE) if applicable. In general, it is advisable that the athletes bring along their ID to all the competitions and events.

Clean Win at WOC 2013

Finish AntiDoping Agency FINADA ry’s and Fazer’s joint Clean Win information stand will be on 8 July from 11 a.m. to 4 p.m. or on 9 July from 8 a.m. to 2 p.m. at the Event Centre. You can test your knowledge by taking the Play True quiz and win a golden drinking bottle. You can also sign the petition on behalf of clean sport.

www.puthaactigars.fi

16. General competition rules and instructions

Rules


Participation

All competitors represent a Federation. Each Federation may enter a team of up to 14 competitors – up to 7 women and 7 men and, in addition, an unlimited number of team officials. In each qualification race, every Federation may enter up to 2 women and 2 men and, in addition, the current World Champions for the distance may be entered by their Federation(s) provided they are members of the Federation’s team.

In the final, only the competitors placed number 15 and better in each qualification race heat may participate.

In the Relay, each Federation may enter one women’s team and one men’s team, each consisting of 3 team members. All the runners in relay team must be accredited as an athlete.

Team areas at Arenas

Only accredited team members and coaches with their personal WOC accreditation cards will be allowed in the team areas. All team areas are protected from the weather, rain or sunshine!

There is a returning point for bags coming from the quarantine area and the pre-start. Sports drink (Dexal) and water will be available in the team area. There are toilet facilities available at all sites.

Punching, timing systems and GPS tracking

The Emit punching system will be used in all WOC2013 competitions. The competitors will carry an Emit card and an EmiTag on the same arm.

An electronic start gate will be used in the sprint final where timing will be to 0.1 seconds. In all other competitions, timing will be to 1 second (electronic start gate will not be used).

All finish times will be taken by a photo cell device. Timing devices will be used in all the finals. Men will use tracking devices in all qualifications and women in sprint and middle distance qualification.

All the equipments will be provided by the organizers. Emit cards, EmiTags and GPS vests will be provided in the team material for all the competitors to be used during the whole WOC week. Each Emit card and EmiTag is assigned by name to a competitor and shall not be used by any other athlete.

A charge of 100 EUR will be imposed for any lost or missing Emit card, EmiTag or GPS vest. After the relay, team leaders must return all Emit cards together to the Event Centre. GPS vests will be put to the vests in pre-start.

Coaching

Coaches are allowed to go to the quarantine area and from the quarantine area to the pre-start.

They are allowed to leave the quarantine and pre-start areas at any time after quarantine is closed but after leaving it is not possible to come back. Coaches must use the official transport from the quarantine area to the pre-start. There is a good connection from the pre-start to the Arena.

There will be clearly marked coaching zones in the Arenas when there is an arena passage in the competition.

Only two accredited coaches per team are allowed in these coaching zones. For reasons of fairness only the following actions are allowed:

• Verbal communication — no written information
• Exchange of personal equipment such as compasses, shoes, contact lenses and similar
• Food and drinks passed on directly to the athlete.

The sprint areas in Katinkaalfa and Sortavala are under a strict embargo. This means walking, driving a car and accommodation in this area is forbidden. Shops and other services are available outside the embargoed area. In cases of emergency it is allowed to drive from Kainuuntie through Keskuskatu to Sortavala Health Center. See on the map of Sprint final in chapter 19.

Train in WOC2013 training maps is possible all the time during WOC week. WOC office helps you to find maps for training.

17. Training opportunities during WOC 2013

18. Embargoed areas

With regard to the IOF Competition Rules article 26.51, the listed areas are embargoed for all potential WOC2013 athletes, team officials and other persons that may be in a position to give information to the team members.
19. Competition and model event areas and arena locations

Maps are drawn according to the International Specification for Orienteering Maps (ISO 2000) and the International Specification for Sprint Orienteering Maps (ISSOM 2007). All WOC 2013 maps are spot colour offset printed (PMS colours) on 135 g/m² paper. The maps will be handed out at the starts sealed in plastic bags.

In some training maps boulder fields (208) and stony ground (210) have been drawn in typical style used in Finland. In model event maps and competition maps international specifications are followed.

All the controls are guarded during the competitions. The officials may or may not be sitting close to the control locations.

Radio and TV controls are not specified on the control descriptions. Any structures made for TV cameras are not drawn on the maps.

All control descriptions are printed on the maps. Separate control descriptions are handed 2 minutes before start.

The sprint course length is given as the shortest feasible route as specified by rule 16.3.

20. Maps and courses

Maps are drawn according to the International Specification for Orienteering Maps (ISO 2000) and the International Specification for Sprint Orienteering Maps (ISSOM 2007). All WOC 2013 maps are spot colour offset printed (PMS colours) on 135 g/m² paper. The maps will be handed out at the starts sealed in plastic bags.

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All the controls are guarded during the competitions. The officials may or may not be sitting close to the control locations.

Radio and TV controls are not specified on the control descriptions. Any structures made for TV cameras are not drawn on the maps.

All control descriptions are printed on the maps. Separate control descriptions are handed 2 minutes before start.

The sprint course length is given as the shortest feasible route as specified by rule 16.3.

21. Model events

Maps for long distance, middle distance and relay model events will be handed out in the team material. After this all team members are free to use the model event maps and courses at any time.

Controls are ready in the model event areas on 5th July in the morning.

Model events for sprint will be organised on Saturday 6 July at 9.00-12.00. The sprint qualification model event in Katinkulta will be in a small area giving information about the terrain, controls and map concerning sprint qualification. The model event for the sprint final gives wider information about special symbols, forbidden areas, fences etc, representing both the qualification and final together with information about the terrain, controls and map. Traffic is not closed during model event, be careful and follow traffic rules.

Both sprint model events are arranged inside the embargoed area for sprint. After the closing of the sprint model events, the areas remain embargoed until the sprint competitions are finalized.

Transport to model events is arranged as follows: (transport package):

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Start Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday 5.7</td>
<td>Model Long</td>
<td>9.00-9.30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11.30-12.00</td>
</tr>
<tr>
<td></td>
<td>Event Centre – Tipasoja</td>
<td>Tipasoja-Event Centre</td>
</tr>
<tr>
<td>Saturday 6.7</td>
<td>Model Sprint</td>
<td>9.00-9.10</td>
</tr>
<tr>
<td></td>
<td>Qualification and Final</td>
<td>9.40-9.55</td>
</tr>
<tr>
<td></td>
<td>Event Centre – Katinkulta</td>
<td>Katinkulta-Sotkamo Sotkamo-Event Centre</td>
</tr>
<tr>
<td>Wednesday 10.7</td>
<td>Model Middle</td>
<td>10.00-10.15</td>
</tr>
<tr>
<td></td>
<td>11.45-12.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Event Centre – Vuokatti</td>
<td>Vuokatti-Event Centre</td>
</tr>
</tbody>
</table>

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<tr>
<td></td>
<td>11.45-12.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Event Centre – Vuokatti</td>
<td>Vuokatti-Event Centre</td>
</tr>
</tbody>
</table>
22. Quarantine

There will be quarantine areas for all races including the relay.

With the exception of sprint qualification and the relay a quarantine area consists of the first part in Vuokatti Elementary School and pre-start area close to the start of each competition. Transport from Event Centre to quarantine area is included in transport package by timetable given in detailed information of competitions. Walking distance from Event Centre to quarantine area is 1.2 km. Address of Vuokatti Elementary School is Kuikkaniementie 1, 7113744 E561625. In the quarantine area it is possible to stay inside or outside.

Athletes and coaches must observe the check-in times for each WOC event. Please check for details in Chapter 24. There the latest check-in time is defined, after which no-one will be allowed to enter the quarantine area any longer. At the check-in to the quarantine area, each athlete and coach needs to show his or her accreditation card with a picture and will then have to sign in on an entry form.

In the first quarantine area number bibs are handed out. In the qualification races the competitors must wear their bibs on the front. In the final races the bibs must be worn both on the front and the back. The bibs must be visible in entirety: they shall not be folded over or cut down.

There will be a compulsory transport to the second part of the quarantine area called pre-start area for athletes and coaches where the pre-start and the warm up area are located. The transport to the pre-start area will take between 10 and 60 minutes depending on the race (see chapter 24 for details). Bus and/or minibus is used for transport. In sprint qualification warm up area and pre-start are part of the first quarantine area.

The whole of the Quarantine is described in the diagram below.

### Quarantine area location
Kuikkaniementie 2, N 7113744 E 561625

---

23. Start procedure

The competitor’s name and bib number is called at the pre-start X minutes before the assigned start time. The competitor then enters the first box. There is a clock at the entrance to the first box showing the start time (competition time + X minutes). It is the competitor’s responsibility to watch for his/her start time.

There is also a clock showing competition time in pre-start area.

In the first box, the competitor’s Emit card is checked and cleared and the start numbers are checked. The tracking device is put into the competitor’s vest. There are intermediate checkpoints where the remaining distance and time is posted.

-3 minutes: Start numbers are checked and control descriptions can be taken
-2 minutes: Punching the Emit unit
-1 minute: Position behind the start line. Distance in different competitions from -1 min line to the start line is between 4 meters to 100 meters. See details in chapter 24.

Start: The competitor’s map is placed face down next to the start line marked with the start number on the back of the map.10 seconds before the start time, the competitor hears a signal from the start clock 5 seconds before the start time, the count-down begins with short beeps and a long beep at exactly the start time. An official releases the competitor by taking his hand off the competitor’s shoulder.

The start triangle is marked in the terrain by a control flag. The route to this flag is marked with tapes. Competitors must follow this marked route to the start point.

Procedures for late starters

Late competitors must report at the pre-start call-up. If the organizer decides that the competitor has enough time to start at the allocated time, an official will accompany them through the normal procedure to the start line. If the competitor is too late to follow the normal procedure, they will be allowed to start one minute before the next competitor on that course (30 seconds for the Sprint).

In all cases of lateness caused by the competitor their allocated start time will be counted! If a competitor is late through the fault of the organizer, he or she will be timed with their real start time.

Please find detailed information for each WOC event in chapter 24.
24. Competitions

Long distance qualification 7.7.2013

Course and terrain:

Course setters: Jussi Silvennoinen and Samuli Launainen

Course adviser: Taisto Kemppainen  Map: Rauno Asikainen

<table>
<thead>
<tr>
<th>Length</th>
<th>Climb</th>
<th>Course</th>
<th>Winning</th>
<th>Refresh</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Control description size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men 12,4-12,5 km</td>
<td>430 m</td>
<td>21-22</td>
<td>59 min</td>
<td>2</td>
<td>1:15 000</td>
<td>5 m</td>
<td>330x250 mm</td>
<td>67x134 mm</td>
<td>150 min</td>
</tr>
<tr>
<td>Women 8,5-8,6 km</td>
<td>275 m</td>
<td>15-14</td>
<td>45 min</td>
<td>2</td>
<td>1:15 000</td>
<td>5 m</td>
<td>330x250 mm</td>
<td>67x100 mm</td>
<td>110 min</td>
</tr>
</tbody>
</table>

The long distance qualification is held in terrain which consists of coniferous forests, mainly pines of different ages. Also some marshes and small lakes exist. The ground is hard with exception of the marshes that may be soft. The runability varies from very good in old-growth forests to moderate in young forests. Visibility is good but restricted in young forests. The terrain is moderately detailed and a network of paths and forest roads exist. Maximum height difference is 40 metres.

Additional information:
- There is no limitation for shoes.
- Clothing covering the whole body, short sleeves are allowed.
- Results of qualification will be announced when qualified runners can be established.
- Complaint time will begin after announcement of results of qualification. Complaint time is 15 minutes.
- There is water and sports drink (Dexal light Orange, 6%) for refreshment in refreshment controls.

Transport timetable from quarantine to pre-start:

<table>
<thead>
<tr>
<th>Quarantine</th>
<th>Pre-start</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30</td>
<td>&gt; 8:20</td>
</tr>
<tr>
<td>7:50</td>
<td>&gt; 8:40</td>
</tr>
<tr>
<td>8:00</td>
<td>&gt; 9:00</td>
</tr>
<tr>
<td>8:10</td>
<td>&gt; 9:20</td>
</tr>
<tr>
<td>8:30</td>
<td>&gt; 9:50</td>
</tr>
<tr>
<td>9:00</td>
<td>&gt; 9:50</td>
</tr>
<tr>
<td>9:20</td>
<td>&gt; 10:10</td>
</tr>
<tr>
<td>9:40</td>
<td>&gt; 10:30</td>
</tr>
</tbody>
</table>

Transport from Event Centre to quarantine: 7.15, 8.00 and 8.45. Transport is included in transport package.

Pre-start area: Quarantine area with warm-up map
Pre-start to start: Call-up 8 minutes before start

Quarantine check-in time: 7.15-9.20
First start women: 9.31 bibs 1-120
First start men: 9.30 bibs 281-340

Start interval: 3 minutes
3 runners start at the same time. The three channels in the last 3 minutes are marked with colors (blue = left, red = middle, black = right). The colors of the race numbers correspond to the channel.
**Sprint qualification 8.7.2013**

**Course and terrain:**

Course setters: Jukka Kemppainen and Antti Schroderus  
Course adviser: Jarmo Puttonen  
Map: Pasi Jokelainen

<table>
<thead>
<tr>
<th>Length</th>
<th>Climb</th>
<th>Controls</th>
<th>Winning time</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Control description size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>3.7 km</td>
<td>35 m</td>
<td>21</td>
<td>13 min</td>
<td>1:4000</td>
<td>2 m</td>
<td>210x297 mm</td>
<td>47x129 mm</td>
</tr>
<tr>
<td>Women</td>
<td>3.3 km</td>
<td>30 m</td>
<td>16-19</td>
<td>13 min</td>
<td>1:4000</td>
<td>2 m</td>
<td>210x297 mm</td>
<td>47x119 mm</td>
</tr>
</tbody>
</table>

The terrain is mostly park terrain with small area of forest. In the park area there are lots of buildings, other built objects and planted vegetation. Forest is pine with very good visibility and runnability. The whole area has a dense network of roads and paths.

**Additional information:**
- There is no limitation for shoes.
- Results of qualification will be announced when qualified runners can be established.
- Complaint time will begin after announcement of results of qualification. Complaint time is 15 minutes.
- Start lists for final will be available in WOC office latest at 14.00.
- There will be an after race cool-down map. Runners are not allowed to leave this area until the competitions are finished.

**Transport from Event Centre to quarantine**
7.30 and 8.30. Transport is included in transport package.

**Pre-start area:**
Quarantine area with warm-up map

**Pre-start to start:**
Call up 9 minutes before start

---

**Quarantine check-in time: 7.30-8.50**

First start women: 9.00  
First start men: 9.15

**Start interval:** 1 minute

3 runners start at the same time. The three channels in the last 3 minutes are marked with colors (blue = left, red = middle, black = right). The colors of the race numbers correspond to the channel.
Sprint final 8.7.2013

Course and terrain:
Course setters: Jukka Kemppainen and Antti Schroderus
Course adviser: Jarmo Puttonen
Map advisor: Pasi Jokelainen

<table>
<thead>
<tr>
<th>Length</th>
<th>Climb</th>
<th>Controls</th>
<th>Winning time</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Control description size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>3.9 km</td>
<td>65 m</td>
<td>24</td>
<td>14 min</td>
<td>1:4000</td>
<td>210x297 mm</td>
<td>47x144 mm</td>
<td>50 min</td>
</tr>
<tr>
<td>Women</td>
<td>3.4 km</td>
<td>50 m</td>
<td>21</td>
<td>14 min</td>
<td>1:4000</td>
<td>210x297 mm</td>
<td>47x129 mm</td>
<td>50 min</td>
</tr>
</tbody>
</table>

The arena of the sprint final is Sotkamo baseball stadium. The terrain in sprint final is mainly urban, including some park type forest with hard ground and lots of paths. The urban area is almost flat. Runnability and visibility are very good.

Additional information:
- There is no limitation for shoes.
- There will be an after race cool-down map. Runners are not allowed to leave arena or cool-down area until the competitions are finished.
- Complaint time is 15 minutes after announcement of official results.
- Opening ceremony will be held at the Sprint Arena before finals beginning at 16.45.

Transport timetable from quarantine to pre-start:
<table>
<thead>
<tr>
<th>Quarantine</th>
<th>Pre-start</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:30</td>
<td>&gt; 16:45</td>
</tr>
<tr>
<td>16:50</td>
<td>&gt; 17:00</td>
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<tr>
<td>17:10</td>
<td>&gt; 17:25</td>
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<tr>
<td>17:30</td>
<td>&gt; 17:45</td>
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<tr>
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<td>&gt; 18:15</td>
</tr>
<tr>
<td>18:20</td>
<td>&gt; 18:35</td>
</tr>
<tr>
<td>18:40</td>
<td>&gt; 18:55</td>
</tr>
<tr>
<td>19:00</td>
<td>&gt; 19:15</td>
</tr>
</tbody>
</table>

Transport from Event Centre to quarantine: 16.10 and 17.00. Transport is included in transport package.

- Pre-start area: No warm-up map in the pre-start area. Warm-up on the road.
- Pre-start to start: Call up 9 minutes before start
- Award ceremony: 20.40 at the Arena
- Transport from Arena to Event Centre: Two busses are reserved for Transport package holders at 21.00.

Press conferences

Arena Hiukka Sprint

Teams
VIP
Media

Media centre

Bus station
Long distance final 9.7.2013

Course and terrain:
Course setters: Jussi Silvennoinen and Samuli Launiainen
Course adviser: Taisto Kemppainen  Map: Rauno Asikainen

The terrain of long distance final is mainly fast coniferous forest mixed with some open and forest-covered marshes and small lakes. Vegetation is mostly pine forests of varying age. Visibility is mostly very good, in young forests more limited. The ground is hard, partly sandy. The runability is very good with exception of some thinned areas. Marshes are partly soft and at some parts understory vegetation may reduce their runability. The terrain is moderately detailed and has a network of paths and forest roads. Maximum height difference is 60 metres.

Additional information:
• There is no limitation for shoes.
• Complaint time is 15 minutes after announcement of official results.
• There is water and sports drink (Dexal Light Orange, 6%) for refreshment in refreshment controls.
• There is an arena passage toward the end of the courses with refreshment and a coaching zone.
• Transport timetable from quarantine to pre-start:
  - Quarantine check-in time: 9.30-11.45
  - First start women: 11.55 bibs 1-45
  - First start men: 13.05 bibs 101-145
  - Start interval: 2 minutes, rule deviation approved by IOF.

Transport from Event Centre to quarantine: 9.20, 10.45 and 11.30. Transport is included in transport package.

Pre-start area:
- Pre-start area with some shelters, toilets, drinks and warm-up map.
- Call up 12 minutes before start, note there is a control in 4 min before start!

Pre-start to start:
- Call up 12 minutes before start, note there is a control in 4 min before start!

<table>
<thead>
<tr>
<th>Length</th>
<th>Climb</th>
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<th>Refresh ment</th>
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<th>Contour interval</th>
<th>Map size</th>
<th>Control description</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>19.5 km</td>
<td>680 m</td>
<td>31</td>
<td>91 min</td>
<td>4</td>
<td>1:15 000</td>
<td>5 m</td>
<td>415x299 mm</td>
<td>47x179 mm</td>
</tr>
<tr>
<td>Women</td>
<td>13.4 km</td>
<td>450 m</td>
<td>22</td>
<td>71 min</td>
<td>4</td>
<td>1:15 000</td>
<td>5 m</td>
<td>415x299 mm</td>
<td>47x134 mm</td>
</tr>
</tbody>
</table>
Middle distance qualification 11.7.2013

Course and terrain:

Course setters: Bojle Vartiainen and Jarmo Tonder
Course adviser: Heikki Peltola
Map: Jussi Silvennoinen

<table>
<thead>
<tr>
<th>Length</th>
<th>Climb</th>
<th>Controls</th>
<th>Winning</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Control description size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>4.1 km</td>
<td>150 m</td>
<td>12</td>
<td>25 min</td>
<td>1:10 000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td>47x69 mm</td>
</tr>
<tr>
<td>Women</td>
<td>3.6 km</td>
<td>110 m</td>
<td>10</td>
<td>25 min</td>
<td>1:10 000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td>47x68 mm</td>
</tr>
</tbody>
</table>

Height difference is 110 metres. The upper parts of the hills are rocky and detailed. Vegetation varies from old spruce forest to young spruce and pine forest. Visibility in old forest is good but limited in young forest. There is undergrowth of blueberry in some parts of slopes. The terrain contains elements of smaller marshes. There are only few paths in the area.

Additional information:
- Spike shoes are not allowed, small metal dobbs are allowed.
- Results of qualification will be announced when qualified runners can be established.
- Complaint time will begin after announcement of results of qualification. Complaint time is 15 minutes.

Transport timetable from quarantine to pre-start:

<table>
<thead>
<tr>
<th>Quarantine</th>
<th>Pre-start</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:40</td>
<td>&gt; 8:10</td>
</tr>
<tr>
<td>8:00</td>
<td>&gt; 8:30</td>
</tr>
<tr>
<td>8:20</td>
<td>&gt; 8:50</td>
</tr>
<tr>
<td>8:40</td>
<td>&gt; 9:10</td>
</tr>
<tr>
<td>9:00</td>
<td>&gt; 9:30</td>
</tr>
<tr>
<td>9:20</td>
<td>&gt; 9:50</td>
</tr>
<tr>
<td>9:40</td>
<td>&gt; 10:10</td>
</tr>
<tr>
<td>10:00</td>
<td>&gt; 10:30</td>
</tr>
<tr>
<td>10:20</td>
<td>&gt; 10:50</td>
</tr>
</tbody>
</table>

Transport from Event Centre to quarantine: 7.15, 7.50 and 8.30. Transport is included in transport package.

Pre-start area:
Pre-start area with some shelters, toilets, drinks and warm-up map.

Pre-start to start:
Call up 6 minutes before start.
Middle distance final 12.7.2013

Course and terrain:

Course setters: Börje Vartiainen and Jorma Tender

Course adviser: Heikki Peltola
Map: Jussi Silvennoinen

<table>
<thead>
<tr>
<th></th>
<th>Length</th>
<th>Climb</th>
<th>Controls</th>
<th>Winning</th>
<th>Refresh</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Control description size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Men</strong></td>
<td>6.3 km</td>
<td>245 m</td>
<td>19</td>
<td>37 min</td>
<td>1</td>
<td>1:10,000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td>47x135 mm</td>
<td>70 min</td>
</tr>
<tr>
<td><strong>Women</strong></td>
<td>5.0 km</td>
<td>195 m</td>
<td>15</td>
<td>36 min</td>
<td>1</td>
<td>1:10,000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td>47x115 mm</td>
<td>70 min</td>
</tr>
</tbody>
</table>

Height difference is 120 meters. The top parts of the hills are rocky and detailed. Vegetation is mainly old spruce forest, in the top parts there is also some pine forest. Visibility in old forest is good but limited in young forest. The ground in the slopes is partly soft and there is undergrowth of blueberry. There are fallen trees in forest. The terrain contains elements of smaller marshes. There is a network of paths in the terrain.

Additional information:
- Spike shoes are not allowed, small metal dobbs are allowed.
- There is an arena passage toward the end of the courses with refreshment and a coaching zone.
- There is water for refreshment in refreshment control.
- Complaint time is 15 minutes after announcement of official results.

Transport timetable from quarantine to pre-start:

<table>
<thead>
<tr>
<th>Quarantine</th>
<th>Pre-start</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:00</td>
<td>&gt; 12:15</td>
</tr>
<tr>
<td>12:15</td>
<td>&gt; 12:30</td>
</tr>
<tr>
<td>12:30</td>
<td>&gt; 12:45</td>
</tr>
<tr>
<td>12:45</td>
<td>&gt; 13:00</td>
</tr>
<tr>
<td>13:00</td>
<td>&gt; 13:15</td>
</tr>
<tr>
<td>13:15</td>
<td>&gt; 13:30</td>
</tr>
<tr>
<td>13:30</td>
<td>&gt; 13:45</td>
</tr>
<tr>
<td>13:45</td>
<td>&gt; 13:50</td>
</tr>
<tr>
<td>13:50</td>
<td>&gt; 14:00</td>
</tr>
<tr>
<td>14:00</td>
<td>&gt; 14:15</td>
</tr>
<tr>
<td>14:15</td>
<td>&gt; 14:30</td>
</tr>
<tr>
<td>14:30</td>
<td>&gt; 14:45</td>
</tr>
<tr>
<td>14:45</td>
<td>&gt; 15:00</td>
</tr>
<tr>
<td>15:00</td>
<td>&gt; 15:15</td>
</tr>
</tbody>
</table>

Transport from Event Centre to quarantine: 11.30 and 12.40. Transport is included in transport package.

Pre-start area
Pre-start area with some shelters, toilets, drinks and warm-up map.

Pre-start to start
Call up 7.5 minutes before start. Note only one check point before start-line!

Award ceremony
20.00 in Event Centre
Relay 13.7.2013

Course and terrain:
Course setters: Börje Vartiainen and Jarmo Tonder
Course adviser: Heliö Peltola
Map: Jussi Silvennoinen

<table>
<thead>
<tr>
<th>Courses</th>
<th>Length</th>
<th>Climb</th>
<th>Controls</th>
<th>Winning time</th>
<th>Refreshment</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legs 1, 2</td>
<td>5.1-5.3 km</td>
<td>250-265 m</td>
<td>14-16</td>
<td>32 min 1</td>
<td>1:10 000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leg 3</td>
<td>5.5-5.6 km</td>
<td>275-285 m</td>
<td>14-16</td>
<td>34 min 1</td>
<td>1:10 000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>16.6 km</td>
<td>795 m</td>
<td>46</td>
<td>100 min</td>
<td></td>
<td></td>
<td>4.5 h</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Courses</th>
<th>Length</th>
<th>Climb</th>
<th>Controls</th>
<th>Winning time</th>
<th>Refreshment</th>
<th>Map scale</th>
<th>Contour interval</th>
<th>Map size</th>
<th>Maximum time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legs 1, 2</td>
<td>4.1-4.2 km</td>
<td>200-215 m</td>
<td>12</td>
<td>32 min 1</td>
<td>1:10 000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Leg 3</td>
<td>4.3-4.4 km</td>
<td>210-220 m</td>
<td>12</td>
<td>34 min 1</td>
<td>1:10 000</td>
<td>5 m</td>
<td>210x297 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>12.7 km</td>
<td>630 m</td>
<td>36</td>
<td>100 min</td>
<td></td>
<td></td>
<td>4 h</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Height difference is 120 meters. The top parts of the hills are rocky and detailed. Vegetation is mainly old spruce forest, in the top parts there is also some pine forest. Visibility in old forest is good but limited in young forest. The ground in the slopes is partly soft and there is undergrowth of blueberry. There are fallen trees in forest. The terrain contains elements of smaller marshes. There is a network of paths in the terrain.

Additional information:
- Spike shoes are not allowed, small metal dobbs are allowed.
- Control descriptions are printed on the maps only.
- There is water for refreshment in refreshment control.
- Complaint time is 15 minutes after announcement of official results.

Transport from Event Centre to Arena: 12.15 and 13.15. Transport is included in transport package.

Quarantine check-in time: 12.06-13.45. Check-in from direction of team area.

Start men:
- 13.55 bibs 1-36
  - 1st leg blue
  - 2nd leg red
  - 3rd leg black

Start women:
- 16.00 bibs 101-130
  - 1st leg blue
  - 2nd leg red
  - 3rd leg black

Mass start for remaining teams is at 18.00.

Quarantine area:
The quarantine area for the relay will be a designated part of the arena where no view of the TV-screen is possible. There are some shelters, toilets, drinks and space for warm-up in the quarantine area.

First leg runners in men’s relay go directly to the start. Emit card is controlled and cleared and GPS unit is given in start area.

First leg runners in women’s relay must stay in quarantine zone until 15.55. Emit card is controlled and cleared and GPS unit is given in pre-start between 15.45-15.55. From pre-start 1st leg runners are led to the start.

Runners for 2nd and 3rd leg are allowed to leave from pre-start to change-over through the corridor about 7 minutes before leading team’s change-over. Distance from pre-start to change-over is 200 meters.

Transportation of clothes is available from pre-start to team area.

Once leaving the quarantine you are not allowed to come back.

Start:
Map is given to competitor’s hand before the start. On the back side of map are written team and leg numbers. Map is closed with small tape and it is allowed to be opened after start. Start signal is a gun shot.

Change-over:
The change-over is done after crossing the finish line by hand touch across a separation barrier. The outgoing runner follows a marked route to the map board and takes the map with the team’s start number. It is the competitor’s responsibility to take the correct map.

Award ceremony: 18.15 in the Arena
Closing ceremony: 18.25, immediately after Award ceremony
Organising committee
WOC 2013
Opistontie 4
88615 Vuokatin Urheiluopisto
Finland

Contact
WOC 2013
E-mail: info@woc2013.fi

www.woc2013.fi