



Welcome to the
WORLD SKI ORIENTEERING
CHAMPIONSHIPS
PITEÅ, SWEDEN 19-24 MARCH

2019

Bulletin 4

WSOC



WELCOME BACK!

I am proud to welcome you to Piteå and the Ski Orienteering Championships events!

Last time Sweden organized the World Championships in Ski Orienteering was in 2011, at that time in Tännadalen in Härjedalen. This year we will meet even further north, in the beautiful landscape in Norrbotten and Piteå.

To organize Championships events is the nicest and coolest thing a nation can do but it is also the greatest challenge to

take on. We will do everything we can to offer exciting, visible and fair competitions.

On behalf of the Swedish Orienteering Federation I am pleased to welcome athletes, team leaders, officials, spectators and guests to the World Ski Orienteering Championships, Junior World Ski Orienteering Championships, European Youth Ski Orienteering Championships and World Masters Ski Orienteering Championships!

Inge Blomberg

President of the Swedish Orienteering



WELCOME TO PITEÅ!

In the eastern parts of Swedish Lapland, along the 300 kilometre coastline beside the largest brackish water archipelago in the world, you will find the glistening coastal gem, Piteå. Piteå's subarctic climate is affected by the Gulf Stream, giving us warm summers and pronounced contrasts between the seasons here, the winter is for real. Steaming breaths by the light of the campfires and snow creaking beneath your shoes. Here, the winter ice is an adventure arena, the Northern Lights are the lights in the sky and nature itself is the lifeblood of it all.

Piteå focuses on energy and sustainable development and offers good development opportunities for both people and companies. Piteå also has three national

research institutes in different research fields such as composite, renewable energy, creative industry and finding unique solutions for the interface between man and machine.

It is an honour to welcome you to Piteå and the World Championships in Ski Orienteering, which will be held at the Lindbäck stadium our winter sports arena. The arena is a lively place and Piteå locals of all ages hang out here, on the slopes and trails. And they will surely be visiting the arena for the championships!

There is something special about the spirit of the region, that makes it easy to feel welcome in Piteå, I hope that you will feel it to!



Helena Stenberg Mayor

*A warm welcome to Piteå!
Here, you can really feel
at home.*

DEAR ORIENTEERING FRIENDS AROUND THE WORLD

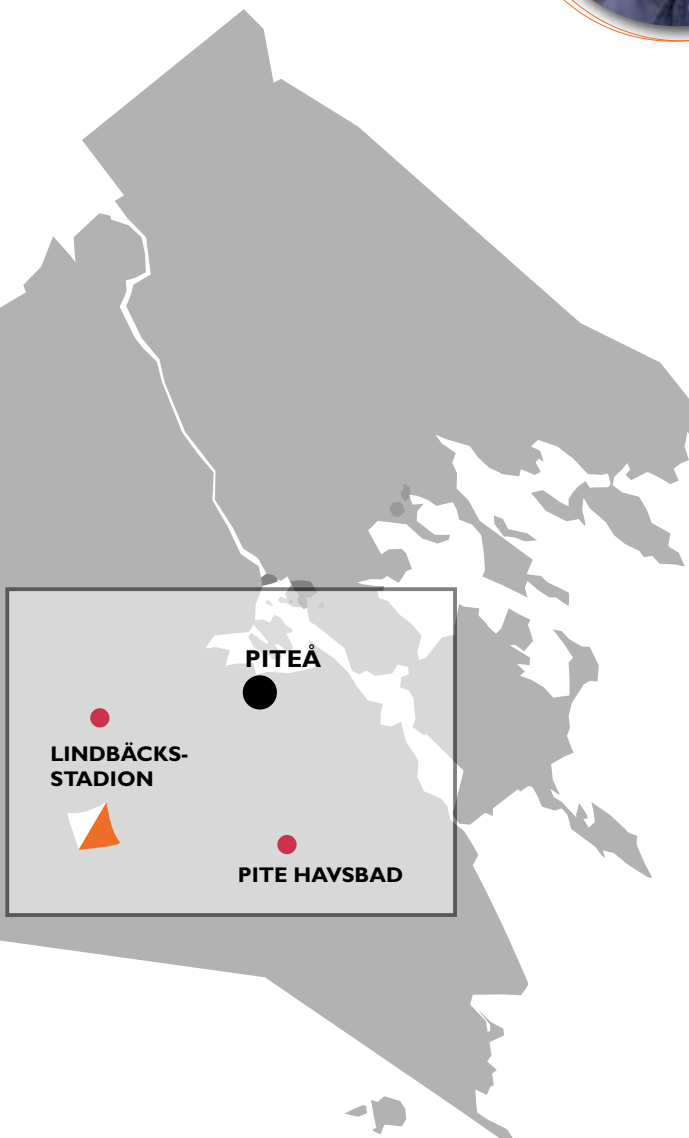
On behalf of the Ski Orienteering Commission I am very pleased to welcome competitors, team leaders, officials, spectators and guests to the 2019 World Ski Orienteering Championships, World Masters Ski Orienteering Championships, World Junior Ski Orienteering Championships and European Youth Ski Orienteering Championships. We all can expect a real festival of Ski Orienteering in Piteå, a memorable and enjoyable

experience. It is always good to be back to Sweden for another high level event. May the sun shine over the forest full of snow!

I would like to thank organisers for their enthusiasm and hard work in preparation of these events and good luck to all of you that are competing in them!



Tatiana Kalenderoğlu
IOF Vice President and SkiO
Commission Chairperson



EVENT PROGRAMME



MONDAY 18/3

15.00 - 21.00	Event office is open – accreditation	Event centre
15.00	Waxing cabins opened for use	Arena



TUESDAY 19/3

07.00 - 21.00	Event office is open – accreditation	Event centre
09.00 - 13.00	Model Event WSOC / JWSOC / EYSOC	Grisberget
15.00	Deadline for team changes and late entries	Event centre
16.00	Competition entry deadline - long distance	IOF Eventor
19.00	Team officials' meeting - long distance	Event centre



WEDNESDAY 20/3

07.00 - 08.30	Event office is open	Event centre
09.00 - 15.00	Event office is open	Arena
15.30 - 21.00	Event office is open	Event centre
~09.00	First start WSOC - Long	Arena
10.00	Quarantine entry closes	Arena
~12.00	First start JWSOC/EYSOC - Long	Arena
~12.40	Flower ceremony WSOC	Arena
~14.20	Flower ceremony EYSOC	Arena
~15.00	Flower ceremony JWSOC	Arena
16.00	Competition entry deadline - sprint distance	IOF Eventor
18.00	Opening and prize giving ceremony	Piteå city centre
20.00	Team officials' meeting - sprint distance	Event centre



THURSDAY 21/3

07.00 - 07.30	Event office is open	Event centre
08.00 - 15.30	Event office is open	Arena
16.00 - 21.00	Event office is open	Event centre
~11.15	First start JWSOC - Sprint	Arena
11.30	Quarantine entry closes	Arena
~12.15	First start EYSOC - Sprint	Arena
~12.30	Flower ceremony JWSOC	Arena
~13.10	First start WSOC - Sprint	Arena
~13.20	Flower ceremony EYSOC	Arena
~15.05	Flower ceremony WSOC	Arena
18.00	Prize giving ceremony	Event centre

EVENT PROGRAMME



FRIDAY 22/3

09.00 - 10.00	Event office is open	Event centre
10.30 - 13.30	Event office is open	Arena
14.00 - 21.00	Event office is open	Event centre
<hr/>		
16.00	Competition entry deadline - middle distance	IOF Eventor
19.00	Team officials' meeting - middle distance	Event centre



SATURDAY 23/3

07.00 - 08.00	Event office is open	Event centre
08.30 - 14.00	Event office is open	Arena
14.30 - 21.00	Event office is open	Event centre
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10.00	Quarantine entry closes	Arena
10.00	Mass start WSOC - Middle M	Arena
11.10	Mass start WSOC - Middle W	Arena
12.05	Mass start EYSOC - Middle W	Arena
~12.20	Flower ceremony WSOC	Arena
12.30	Mass start EYSOC - Middle M	Arena
12.55	Mass start JWSOC - Middle W	Arena
~13.20	Flower ceremony EYSOC	Arena
13.30	Mass start JWSOC - Middle M	Arena
~14.30	Flower ceremony JWSOC	Arena
16.00	Competition entry deadline - relay	IOF Eventor
18.00	Prize giving ceremony	Event centre
19.00	Team officials' meeting - relay	Event centre



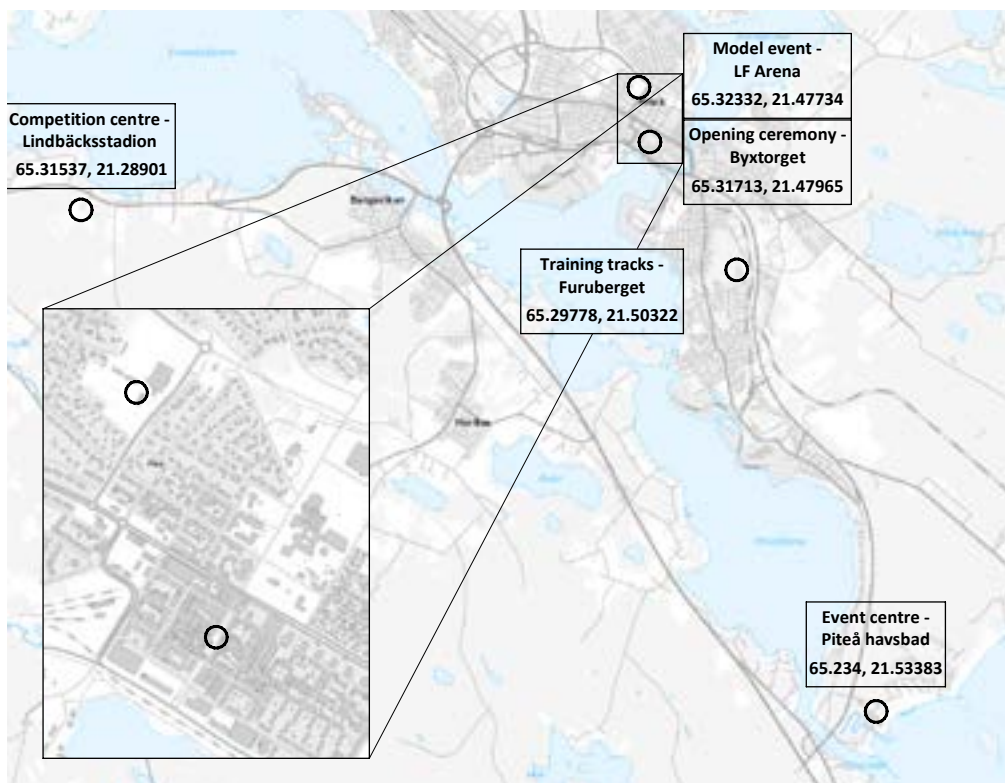
SUNDAY 24/3

07.00 - 08.00	Event office is open	Event centre
08.30 - 14.00	Event office is open	Arena
14.30 - 18.00	Event office is open	Event centre
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11.15	Start JWSOC - Relay M	Arena
11.20	Start EYSOC - Relay M	Arena
11.25	Start JWSOC - Relay W	Arena
11.30	Start EYSOC - Relay W	Arena
11.30	Quarantine entry closes	Arena
12.30	Start WSOC - Relay W	Arena
13.20	Start WSOC - Relay M	Arena
~13.25	Flower ceremony EYSOC / JWSOC	Arena
~15.25	Flower ceremony WSOC	Arena
15.30	Closing ceremony	Arena
18.00	Banquet and Prize giving ceremony	Event centre



OVERVIEW MAPS

OVERVIEW – MAIN FACILITIES



Event centre - Piteå havsbud - **GPS coordinates** [65.234, 21.53383](#)

Competition centre – Lindbäcksstadion
Lindbäcksstadion is the competition centre for all distances in WSOC/JWSOC/EYSOC and WMSOC. **GPS coordinates** [65.31537, 21.28901](#)

Model event arena and training tracks
GPS coordinates [65.32332, 21.47734](#)

Training tracks – Piteå Furuberget
GPS coordinates [65.29778, 21.50322](#)

Opening ceremony - Piteå City centre
GPS coordinates [65.31713, 21.47965](#)

SUMMARY OF ENTRIES

SUMMARY OF ENTRIES

Country	Men	Women	Officials	Total
Austria	1	1	1	3
Bulgaria	4	2	3	9
Czech Republic	4	4	3	11
Denmark	1			1
Estonia	3	3		6
Finland	6	5	5	16
Germany		2		2
Italy	2	2	1	5
Japan	4	4		8
Latvia	3	1		4
Lithuania	4			4
Norway	5	3	2	10
Poland	1			1
Romania	3			3
Russian Federation	5	5	3	13
Sweden	6	6	4	16
Switzerland	3		1	4
Turkey	1	3	1	5
Ukraine	2			2
United States	4			4
Sum	62	41	24	127

EVENT INFORMATION

ACCREDITATION

Team officials should upon arrival show up at the competition office, see programme for opening hours, at the lobby of Pite Havsbad to receive accreditation badges, info bags and SIAC cards for their teams.

ACCOMMODATION

Booking and payment of accommodation and buffet should be made directly to Pite Havsbad, www.pite-havsbad.se or by telephone +46 70 3032757. Check In and questions regarding the accommodation are handled by the reception desk.

Camping at the competition centre is forbidden

TRANSPORT

Bus will be offered between Pite Havsbad and Piteå city centre according to schedule below. The number of seats are limited. Tickets, including return tickets, are available for free in the competition centre on a first come first served basis

	Pite Havsbad	City centre	Pite Havsbad	# of seats
Wednesday 20th March	17.15	17.45		100
		19.30	20.00	100
Thursday 21st March	17.00	17.30		50
	18.00	18.30		50
		20.00	20.30	50
		21.00	21.30	50
Friday 22nd March	17.00	17.30		50
	18.00	18.30		50
		20.00	20.30	50
		21.00	21.30	50

FOOD

Food at the event centre

Meals will be available at Pite Havsbad at the following times:

Lunch: 11.00-14.00 - 95 SEK (no pre booking necessary)

Buffet: 17.00-20.00 - 140 SEK (pre booking necessary, see accommodation above)

Food at the competition arena

Lunch will be available for purchase at the Competition centre on race days.

CERMONIES AND BANQUET

Opening ceremony

The opening ceremony will be held at Byxtorget in Piteå on Wednesday 20th March. The ceremony will be hosted together with Piteå council and the council leader, Helena Stenberg, will speak.

All athletes and team officials are requested to take part in the opening ceremony, preferably dressed in your national team uniform and present at "Byxtorget" 15 minutes before the ceremony starts. To allow for this the evening buffet will open at 16.30 on Wednesday.

Flower ceremonies

Flower ceremonies will be held at the arena according to the programme. The ceremony will be announced with 10 minutes notice and the top three athletes/teams in each class shall then show up at the podium for preparation.

Dress code and equipment: National team's competition uniform and competition equipment. National flags, signs and other non-competition equipment are **not** allowed on the stage at flower ceremonies.

Athletes are supposed to be available for photoshoots and interviews after the ceremony.

Prizegiving ceremonies

- Prizegiving ceremony for the **long distance** will be held together with the opening ceremony at "Byxtorget".
- Prizegiving ceremony for the **sprint and middle distances** will be held at Pite Havsbad.
- Prizegiving ceremony for **the relay** will be held together with the banquet at Pite Havsbad.

Top six athletes/teams in each class shall show up at the podium 10 minutes before the start of the ceremony for preparation.

Dress code and equipment: National team uniform. Competition equipment, sunglasses, bottles, hats, head bands, flags or any accompanying persons are **not** allowed to be brought to the podium.

Closing ceremony

The closing ceremony will be held in the competition arena together with the flower ceremony for WSOC relay.

Banquet

The banquet takes place in the Event Centre at 18:00 on Sunday. Non-competitors, for example partners, friends and family, should book and pay for the banquet via: <https://www.simplesignup.se/event/145076-banquet-wsoc-2019>

WAXING AND WAXING FACILITIES

Heated waxing facilities are available for booking at the competition arena, see Bulletin 2. These will be available for use from Monday 18th March. An area with wide and narrow tracks has been prepared close by for testing of skis.

A room for waxing will be available a couple of hundred meters away from the accommodation at Pite Havsbad. It will be signposted from the competition office. Ski waxing is apart from that not allowed indoors at Pite Havsbad.

TRAINING OPPORTUNITIES

In addition to the training opportunities offered in Älvsbyn, as described in Bulletin 2, there is also the opportunity to train on the permanent track system in central Piteå.

- Grisberget, 5km skate track – This area is also being used for the Model Event.
- Furuberget, 3.5km skate track, [65.297939, 21.503217](#) – the tracks closest to the event centre.

A suggestion from the organizers is to leave the training tracks and instead follow the snowmobile tracks that head out amongst the islands of the archipelago direct from the event center.

Training at the competition area is forbidden.

SPORTS EQUIPMENT TRADERS

“Nordmark adventure” and “Keltamäki” will be on site during the week.

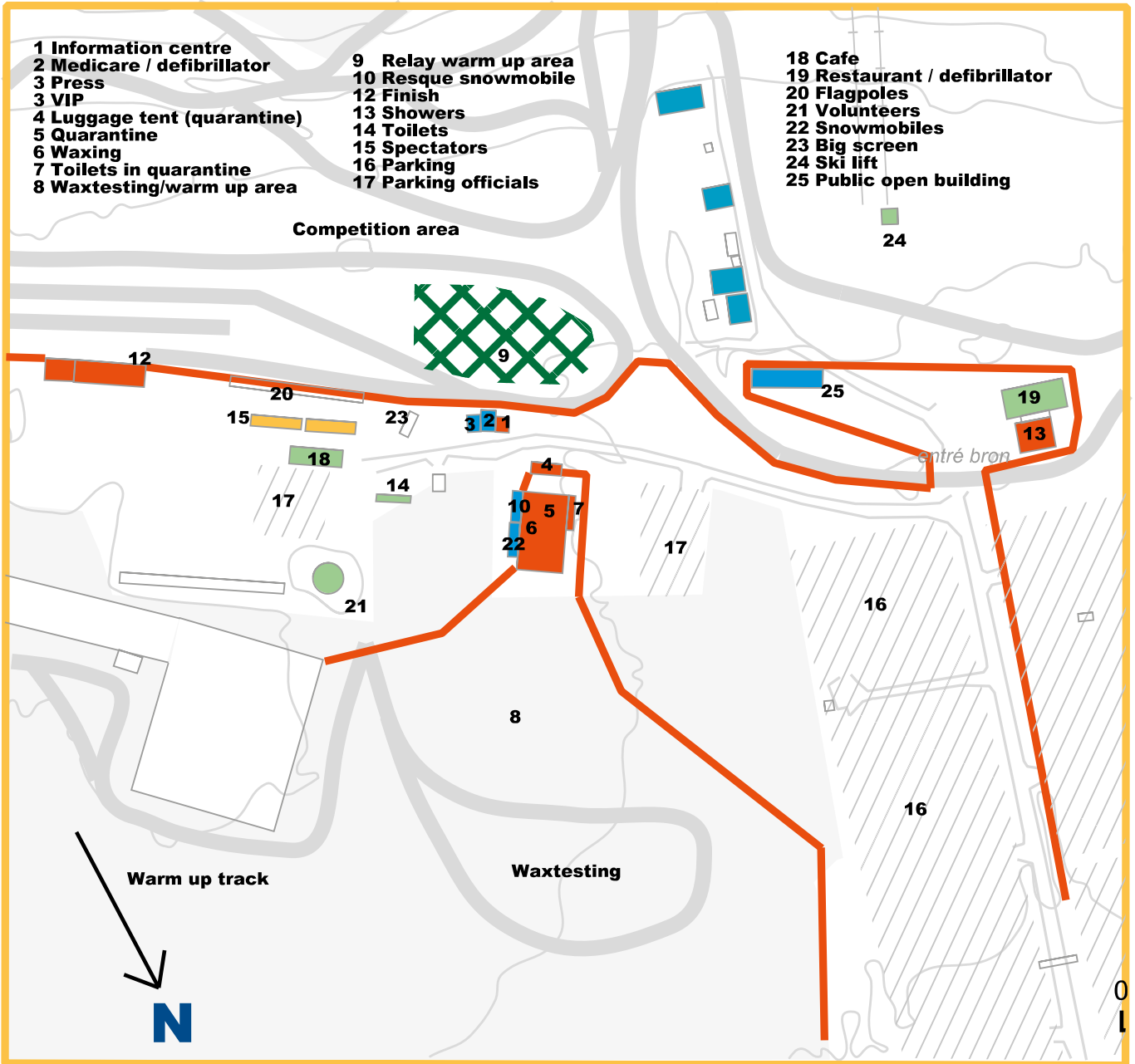
- | | |
|----------------------|--|
| Nordenmark adventure | – Map boards |
| Keltamäki | – Waxes, ski poles, skis, gloves etc. In the arena from Wednesday 20th March. Cash payment only. |



Photo: SOFT

COMPETITION INFORMATION

Competition information is divided into a general part, with information covering all competitions of the event, and parts with information specific for each day.



FORBIDDEN AREAS

All access to embargoed areas, ski tracks and downhill slopes at competition centre, Lindbäcksstadion, is strictly forbidden. Exceptions are ski test area, warm up tracks, tracks to start, access to service building and restaurant at the bottom off the downhill slope, team officials delivering equipment to the deposit at the arena and competing athletes.

COMPETITION ENTRY

WSOC has four seeding groups. Team leaders are responsible for allocating their athletes to these seeding groups except for the top 20 who are placed according to the current ranking list.

The allocation of athletes to seeding groups should be done in Eventor. However, paper forms will also be made available at the competition centre.

TEAM OFFICIAL MEETINGS

Team official meetings will be organized at the event centre in Pite Havsbad the evening before each competition according to the programme. Presentations from the meetings will be uploaded to IOF Eventor once the meeting is finished.

Together with the first meeting, 19th March, the organizer wishes to receive the number of accredited persons from each team that will attend the Sunday evening banquet. The cost for the banquet is already included in the accreditation fee and the number is only needed as information to the kitchen.

START LISTS

Start lists will be distributed at team official meetings and uploaded to IOF Eventor on the evening before each race.

NUMBER BIBS

Bibs will be ready for pick up by team officials in the competition office at the event centre 07.00 – 07.30 on the day of the competition.

SIGNPOSTING

The competition center, Lindbäcksstadion, will be signposted from Pite Havsbad.

DROP OFF / PARKING

Parking is available at the arena. Please follow the signs and instructions of the parking marshals. The distance from the parking to the competition arena is maximum 400m.

Parking is free of charge.

It is possible to drive to the quarantine to drop off athletes and equipment before returning to the parking. Please follow the signs and instructions from the parking marshals to avoid slowing the flow of traffic.

TOILETS AND SHOWERS

Toilets are available in the quarantine, at the arena and in the shower building at the bottom of the downhill slopes.

FOOD AND DRINK

There is a small indoor restaurant at the Competition centre, it serves warm meals with an vegetarian option, hamburgers, coffee and more. Payment with cash or bank card.

A simpler kiosk serving hamburgers, coffee and confectionary is located beside the spectator area by the finish. Cash payment only.

QUARANTINE

All athletes must pass through the quarantine on their way to the start. Please remember to take your accreditation badge with you!

Quarantine opens 1 hour before the first start. The quarantine area includes heated spaces, changing facilities, pre-booked waxing huts, ski testing area and toilets. The route to the start is taped from the quarantine.

As noted in the daily program, once the entrance to the quarantine is closed only event organisers and marshals are permitted to enter the area, this means that team leaders, waxers, etc who plan to be present in the quarantine area must be there in good time. Any athlete or team official leaving the quarantine area after entrance has been closed will not be permitted back in.

Please note that telephones, tablets, computers or other electronic equipment are not permitted within the quarantine.

BAG DROP









Bags should be left in the baggage tent before departing to the start. The bags can be collected from the tent after finishing. Please mark bags with your start number before handing them in. Material for this will be available at the quarantine.

TERRAIN DESCRIPTION

The terrain in the immediate vicinity of Vallsberget/Lindbäcksstadion consists of a number of small hills/tops. The area is between 5 and 120 m above sea level. The terrain is 90% forest, mainly evergreen, with only a limited area of cultivated land and a few roads. Lindbäcksstadion is a modern skiing facility with 25 km of 5-10 m wide ski tracks, an indoor ski tunnel and a small downhill ski slope.

Piteå has a subarctic climate between the warm Gulf stream in the west and the continental mass to the east. It experiences relatively long and cold winters. In March the average temperature is -6°C with cold nights and warmer days.

TRACK SYSTEM

	Very wide track > 3 m. 20 % of the total tracks. Very fast, wide ski tracks in ski centres, made with a ski trail groomer or a track leveller.
	Wide track 1.5-3.0 m. 5 % of the total tracks. A fast, skateable track made by a snowmobile, width usually 2-3 m. Skateable tracks rougher and softer than the wide skateable tracks in the area.
	Track 1.1 m. 70 % of the total tracks. A good track made by a snowmobile.
	Track, slow 0.5-0.8 m. A track made by skis or snowshoes.
	Public snowmobile route. A public and marked route for snowmobiles that may be in use during the ski orienteering competition. These routes are often uneven and of varying width and quality
	Road covered with snow.
	Prepared area Slalom slopes and other areas which are wide, skiable and hard.
	Forbidden route, can be crossed but not followed.

PUNCHING

WSOC 2019 will use SportIdent Air+ as punching system. SIAC cards are distributed upon accreditation.

Competitors should have double SIAC cards attached to either their left or right hand or arm, both cards should be attached to the same hand or arm.

All competitors are responsible for checking the battery function of their SIAC cards in the quarantine before going to the start.

Punching is touchfree, you are not allowed to touch the control setup. Each control has two markers with a punching unit on each. Both punching units are active and it is up to the competitor to choose which to use. The SIAC card needs to be within 50 cm of the punching unit for it to be registered.



The SIAC card will flash and give an audible "peep" when a punch is registered. The cards have a 5 second flash. If the SIAC card does not flash or "peep", the competitor should try punching at the other punching unit at the control point.

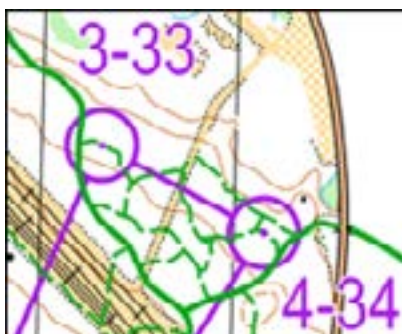
Example controls will be available at the Model Event.

After finish, data from one of the SIACs should be downloaded. If punches are missing data from the second SIAC should also be downloaded. If punches are still missing when these readings are merged the athlete should hand in both SIACs for further processing, "red exit".

Team officials should gather all cards from their teams after the last competition of the championship and hand them in to the competition office. A fee of 100€ will be charged if a card is lost or is not returned.

COURSE OVERPRINT

An example of the course over-print showing how the control points and control numbers are indicated is given below.



MAP EXCHANGE

Example of map board at map exchange and at relay changeover.



FIRST AID

First aid service and transport of injured athletes from the forest is available. Contact the event doctor at the competition office.

In case of emergency, call 112, for ambulance.

You can find defibrillators at the event doctor and in the restaurant.

MAPS AFTER FINISH

Maps will not be collected after finish. Maps left at map exchange will be made available in the evening at the competition office.

RESULTS

Follow the live results on the screen at the arena or at [LIVE Orienteering](#).

Official results will be published on [IOF Eventor](#).

The results used for flower ceremonies will be taken from the administrative system ten minutes prior to the ceremony. Outcome from possible pending complaints or protests will not be taken into consideration.

COMPLAINTS AND PROTESTS

Complaints should be submitted in writing to the Competition Office at the latest 30 minutes after the last finisher in the class it concerns. Complaints can only be submitted by a team official or a competitor. The competition director will deal with the complaint and take a decision on the question. The person making the complaint will be informed of the decision. Complaints may be made free of charge.

Should the person making the complaint not be satisfied with the decision a protest may be submitted. Protests should be submitted in writing within 15 minutes of the complainant receiving notice of the original decision. Protests are dealt with by the jury. The fee for a protest is 50€. This fee will be repaid should the jury approve the protest.



JURY

Hans Georg Gratzer	AUT
Ken Walker	USA
Gunars Īkaunieks	LAT
Christian Hohl	NOR
Mika Ilomaki (Lo/Sp)	FIN
Veli-Markku Korteniemi (Mi/Re)	FIN

APPLICABLE RULES AND REGULATIONS

Competition Rules for International Orienteering Federation (IOF)
Ski Orienteering Events; dated 1/11 2018.

DEVIATIONS FROM THE RULES AND CLARIFICATION

There are two deviations from the rules for WSOC:

- Sprint relay is excluded from the program and the total length of the event is thus shortened by one day.
- The team officials meeting for the sprint starts at 20.00.

It is not allowed to participate in more than one championship during the week, with these exceptions:

- Participants from WMSOC and JWSOC may participate in the WSOC relay.
- All participants in the WSOC relay must be registered as WSOC participants no later than 15:00 on 19 March 2019.
- All participants in the WSOC relay must have a valid IOF athlete license.
- WMSOC participants who are registered as WSOC participants must pay the accreditation fee, which includes the banquet.
- Participation in both WMSOC middle 2 and WSOC relay is not allowed.
- JWSOC participants who are registered as WSOC participants do not have to pay additional accreditation fees.
- Participation in both the JWSOC relay and the WSOC relay is not allowed.

ANTI-DOPING

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

Doping controls may be carried out any time during the competition period. Selected athletes will be given instruction to report to the doping control after finishing their race, and will be escorted by an organizer. Random doping control may occur even during the days when there are no competitions. Doping tests will always be carried out in accordance with the procedures described in the WADA International Standard for Testing and Investigations. The World Anti-Doping Code and IOF Anti-Doping Rules apply as of 1st of January 2015.

Athletes selected for the doping tests must bring an official identification document (with photo) to the doping test area. The athlete should also bring along their Therapeutic Use Exemption (TUE) if applicable.

TUESDAY – MODEL EVENT

A Model Event is offered to give all competitors the opportunity to familiarise themselves with the terrain, track quality, control point construction, punching method, start procedure and finish.

Location

LF Arena, 65.32332, 21.47734, is the starting point for the Model Event. No signposting on the way.

Parking

Located beside the LF arena, the starting point for the Model Event. Parking is free of charge.

Opening hours

The model event will be manned according to programme but the tracks and posts will be available all day.

Instructions

Bring the Model Event map and SIAC cards received at accreditation.

At the assembly area you will be able to test the SIAC card battery, clear and check before going through the start procedure and setting out on a simpler ski-o course. No time-taking or punching checks will be carried out.

Services

Changing rooms, toilets and showers will be available in LF Arena during manned hours.



Photo: SOFT

WEDNESDAY – LONG

To the start.

Follow taped route from quarantine to pre-start.

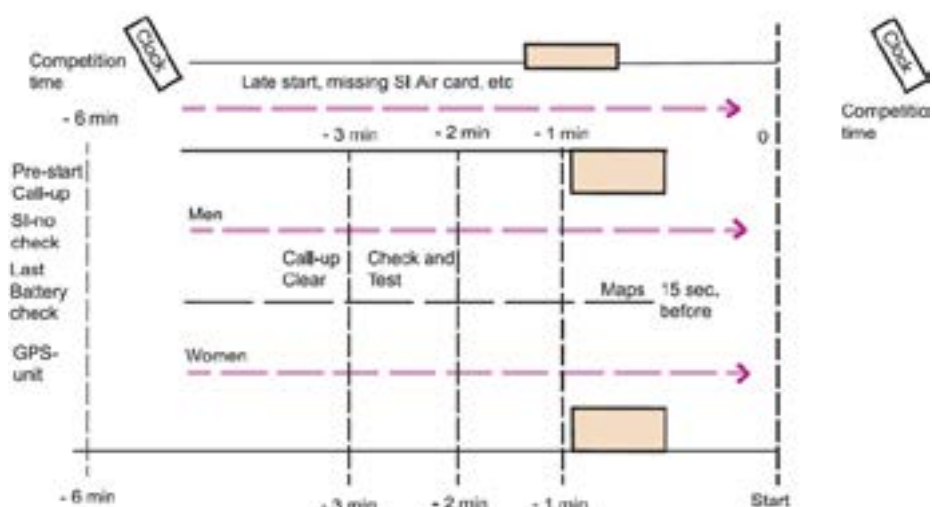
GPS

An organizer will provide you with a GPS at the pre-start.

Clothing transfer

Coveralls will be transported from the pre-start to the competition office at the arena every second hour.

Start procedure



Start will be with "hand on shoulder". Competitors who starts too early will be given a 2 minute time penalty.

Maps

1:15000 - 5-metre contour interval - A4 size (21 x 30 cm)

Course details

Class	Distance [km]	Shortest sensible route [km]	Total climb [m]	# of controls
W21	20,0	23,4	460	22
M21	22,5	28,8	645	26

Map exchange

Map exchanges apply. Be careful to take the correct map. The organisers are not permitted to tell you that you have taken the wrong map. If your map is missing, speak immediately to the organiser at the map exchange to get a new map.

Refreshments

Water and sports drink is served along the course and after the finish line. M/W21 has 3 refreshment points.

Equipment deposits

Equipment may be deposited at the designated place in the arena and at a position in the forest. Athletes are permitted to change undamaged skis once during the race. Team officials and organisers are not permitted to assist an athlete during equipment changes.

All equipment to be transported into the forest should be packed in ski bags clearly marked with team and class. The bags should be handed to the organisers at the entrance to the quarantine at the latest 30 minutes before the first start for the class. Once the race is over, the equipment may be collected from the same place.

Team leaders should place equipment for the arena at the indicated position.

Maximum skiing time

The maximum skiing time is 3 hours.

Finish

Taping and track markings in the snow will show the way from the last control to the finish. There will be no punching at the finish line as the time will be registered automatically via a loop antenna as the SIACs passes the line. A photocell is used as a back-up system. After crossing the finish line, you will be directed to download of data from your SIAC and return of your bib.

Mixed zone / Media

A "mixed zone" for media-athlete interaction will be located after download of SIAC. Please take your time to answer any questions. This is a perfect opportunity to market the sport and highlight your performance. If necessary team leaders may hand their athletes coveralls before going through the mixed zone.

Further opportunities for interviews will be given in connection to the flower ceremonies.



THURSDAY – SPRINT

To the start

Follow taped route from quarantine to pre-start.

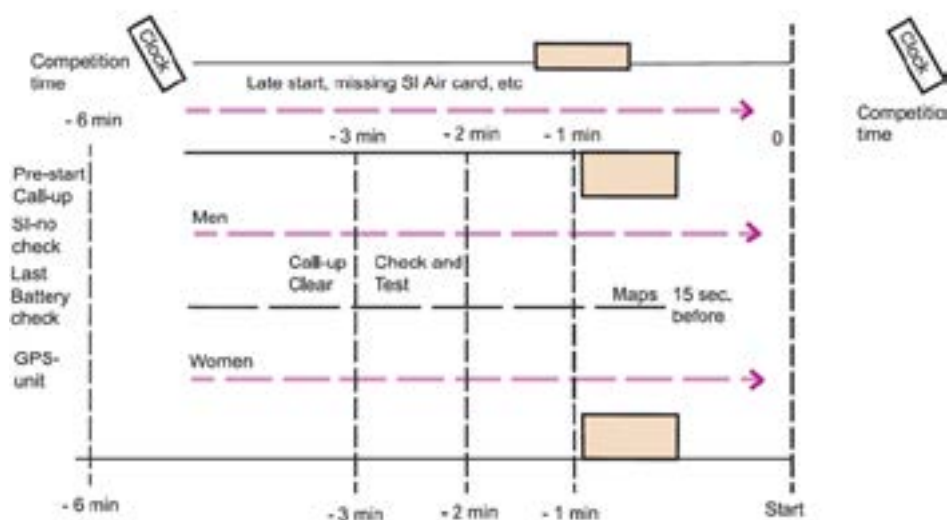
GPS

An organizer will provide you with a GPS at the pre-start.

Clothing transfer

Coveralls will be transported from the pre-start to the competition office at the arena every second hour.

Start procedure



Start will be with "hand on shoulder". Competitors who starts too early will be given a 2 minute time penalty.

Maps

1:5000 - 5-metre contour interval - A4 size (21 x 30 cm)

Course details

Class	Distance [km]	Shortest sensible route [km]	Total climb [m]	# of controls
W21	3,5	4.3	70	13
M21	4,2	5,1	110	15

Equipment deposits

Team leaders should place equipment for the arena at the indicated position.

Maximum times

The maximum skiing time is 90 minutes.

Finish

Taping and track markings in the snow will show the way from the last control to the finish. There will be no punching at the finish line as the time will be registered automatically via a loop antenna as the SIACs passes the line. A photocell is used as a back-up system. After crossing the finish line, you will be directed to download of data from your SIAC and return of your bib.

Mixed zone / Media

A "mixed zone" for media-athlete interaction will be located after download of SIAC. Please take your time to answer any questions. This is a perfect opportunity to market the sport and highlight your performance. If necessary team leaders may hand their athletes coveralls before going through the mixed zone.

Further opportunities for interviews will be given in connection to the flower ceremonies.



Photo: SOFT

SATURDAY – MIDDLE

To the start

Follow taped route from quarantine to Pre-start.

GPS

An organizer will provide you with a GPS at the prestart.

Clothing transfer

Coveralls will be transported from the start to the competition office at the arena after every start.

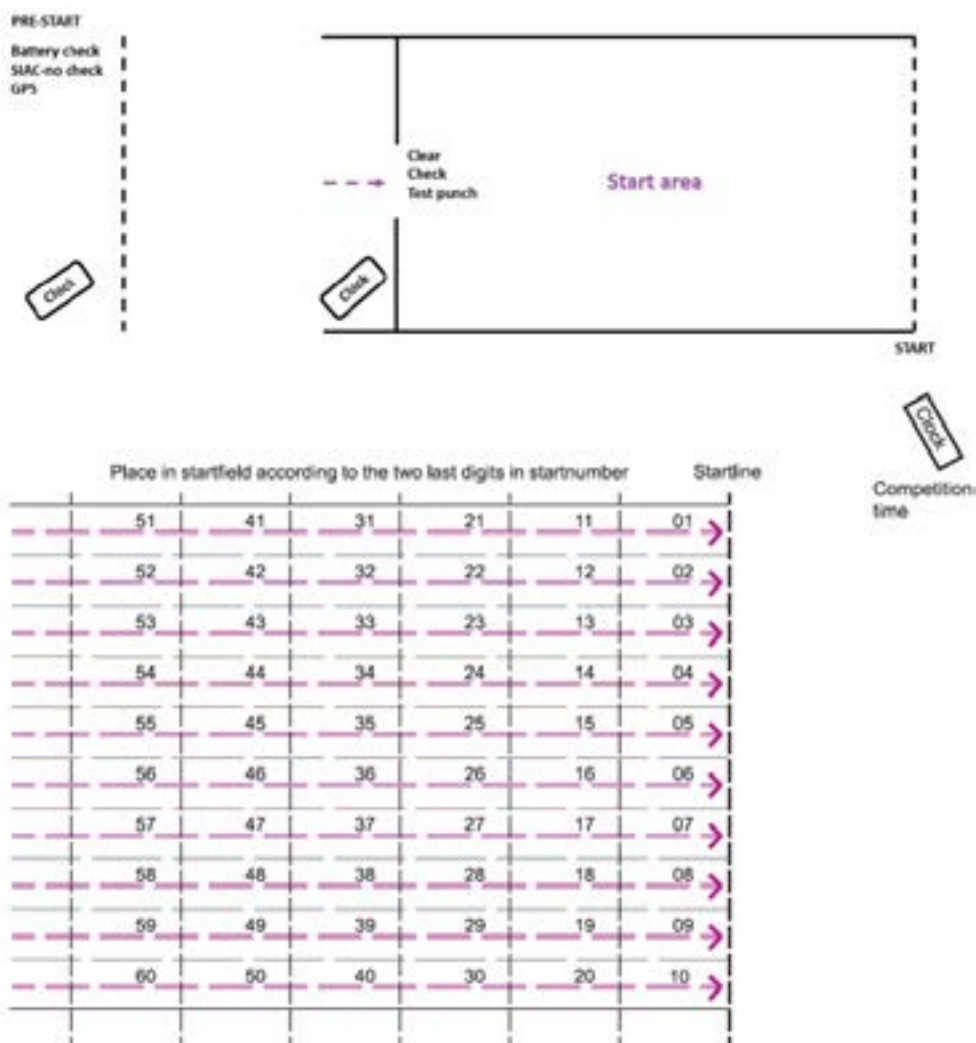
Start procedure

Opening time for the pre start will be given on the team official meeting. At the pre-start the SIAC number and battery will be checked.

All athletes must be in the start area at least 5 minutes prior to the start time. Distance to Pre-start and start will be given at the team official meeting. Clear, check and test punch of SIAC will be at the entrance to the start area. In the start area the competitors will be positioned in rows.

2 minutes prior to the start time the competitors are asked to put their left hand behind their back. The map will be handed out to the competitors. Competitors shall keep the map in their hand behind their back until the command "MAPS" is given 15 seconds before the start. The start command "GO" will be given.

For the first approximately 40 meters only double polling is allowed. Competitors must follow the marked route from the start line to the map start triangle.



Maps

1:10000 - 5-metre contour interval - A4 size (21 x 30 cm)

Course details

Class	Distance [km]	Shortest sensible route [km]	Total climb [m]	# of controls
W21	9.2	12.8	200	25
M21	11.1	15.6	250	32

Map exchange

Map exchanges apply. Be careful to take the correct map. The organisers are not permitted to tell you that you have taken the wrong map. If your map is missing, speak immediately to the organiser at the map exchange to get a new map.

Refreshments

Water and sports drink is served along the course and after the finish line.

Equipment deposits

Equipment may be deposited at designated place in the arena and at a position in the forest. Team officials and organisers are not permitted to assist an athlete during equipment changes.

All equipment to be transported into the forest should be packed in ski bags clearly marked with team and class. The bags should be handed to the organisers at the entrance to the quarantine at the latest 30 minutes before the start for the class. Once the race is over, the equipment may be collected from the same place.

Team leaders should place equipment for the arena at the indicated position..

Maximum skiing time

The maximum skiing time is 3 hours.

Finish

Taping and track markings in the snow will show the way from the last control to the finish. There will be no punching at the finish line as the time will be registered automatically via a loop antenna as the SIACs passes the line. A photocell is used as a back-up system. In case of photo finish the position in the result list will be given by the tip of the toe. The position based on registered time and photo finish may in rare cases differ due to this. After crossing the finish line, you will be directed to download of data from your SIAC and return of your bib.

Mixed zone / Media

A "mixed zone" for media-athlete interaction will be located after download of SIAC. Please take your time to answer any questions. This is a perfect opportunity to market the sport and highlight your performance. If necessary team leaders may hand their athletes coveralls before going through the mixed zone. Further opportunities for interviews will be given in connection to the flower ceremonies.

SUNDAY – RELAY

To the start

Start will be located at the arena.

GPS

An organizer will provide you with a GPS at the prestart.

Start procedure

Pre-start and warm-up area will open 20 minutes prior to the start for skiers on the first leg. Once entered into the warm-up zone the athlete is not allowed to return to the quarantine. At the pre-start the SIAC number and battery will be checked.

All athletes must be in the start area at least 5 minutes prior to the start time. Clear, check and test punch of SIAC will be at the entrance to the start area. In the start area the competitor's will be positioned in rows.

2 minutes prior to the start time the competitors are asked to put their left hand behind their back. The map will be handed out to the competitors. Competitors shall keep the map in their hand behind their back until the command "MAPS" is given 15 seconds before the start. The start command "GO" will be given.

For the first approximately 40 meters only double polling is allowed. Competitors must follow the marked route from the timed start line to the map start triangle.



Place in startfield according to the last digit in startnumber

			Startline
11	06	01	➔
12	07	02	➔
13	08	03	➔
14	09	04	➔
15	10	05	➔



Changeover

After start the pre-start and warm-up area will open for remaining athletes. Once entered the warm-up zone the athlete is not allowed to return to the quarantine.

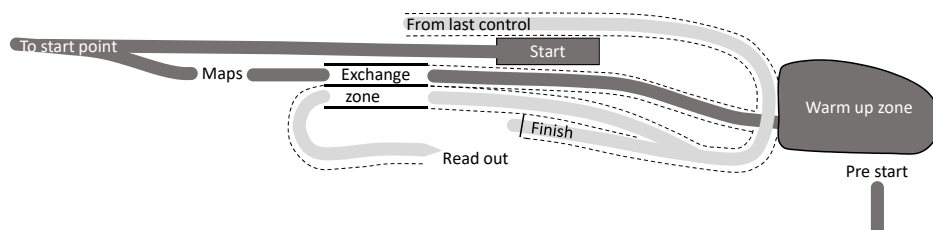
When the previous legs skier is pre-warned or appear at the last control the waiting athlete can exit the warm-up area and head for the exchange zone.

Taping and track markings in the snow will show the way for the finishing athlete from the last control to the changeover. There will be no punching at changeover.

Changeover is performed by the two athletes touching each other at the exchange zone.

After changeover the now competing athlete heads for the maps. The organisers are not permitted to tell you if you take the wrong map. If your map is missing, speak immediately to an organiser to get a new map.

The finished athlete will be directed to download of data and return of bib.



Maps

1:10000 - 5-metre contour interval - A4 size (21 x 30 cm)

Course details

Details refer to one independent leg.

Class	Distance [km]	Shortest sensible route [km]	Total climb [m]	# of controls
W21	6,3	8,1	170	17
M21	7,4	9,9	190	19

Equipment deposits

Equipment may be deposited at designated place in the arena and at a position in the forest. Team officials and organisers are not permitted to assist an athlete during equipment changes.

All equipment to be transported into the forest should be packed in ski bags clearly marked with team and class. The bags should be handed to the organisers at the entrance to the quarantine at the latest 30 minutes before the start for the class. Once the race is over, the equipment may be collected from the same place.

Team leaders should place equipment for the arena at the indicated position.

Maximum skiing time

The maximum skiing time for the team is 5 hours.

Finish

Taping and track markings in the snow will show the way from the last control to the finish. There will be no punching at the finish line as the time will be registered automatically via a loop antenna as the SIACs passes the line. A photocell is used as a back-up system. The finish line will also be filmed. In case of photo finish the position in the result list will be given by the tip of the toe. The position based on registered time and photo finish may in rare cases differ due to this. After crossing the finish line, you will be directed to download of data from your SIAC and return of your bib.

Re-start

There will be a restart after the first 6 teams have finished the competition.



Photo: SOFT

ORGANISATION

COMPETITION OFFICE

E-mail: info@wsoc2019.com

Telephone: +46 76 - 776 46 78 (only open during the competition week)

Address: Hotellvägen 50, 941 43 Piteå, Sweden

ORGANISING FEDERATION AND CLUBS

The Swedish Orienteering Federation and the District Orienteering Federation of Norrbotten Piteå municipality, together with a consortium consisting of the following orienteering and ski clubs:

Piteå IF OK

Piteå Skidallians

Älvsby IF OK

Arvidsjaur OK

I19 IF

Bodens BK OS

OK Renen

Gammelstads IF

Bergnäsets AIK

ORGANISING COMMITTEE

General Secretary: Anders Bennitz

Event Director: Roland Jansson

Support functions: Fredrik Lundström

ADVISERS AND IOF REPRESENTATIVES

IOF Senior Event Adviser: Lacho Iliev (BUL)

IOF IT Assistant Event Adviser: Håkan Blomgren (SWE)

National Controller: Håkan Holmberg (SWE)

MAPPERS

Sture Norén (Track system and ski-o map)

Leif Eriksson (foot-o map)

COURSE SETTERS

Co-ordinator – Sture Norén

Long – Agneta Holmgren

Sprint – Nils Henriksson

Middle – Lena Turesson / Claes Turesson

Relay – Lena Turesson / Claes Turesson

MEDIA

Media contact – Maria Svanberg +46 (0) 70-680 26 29,
maria.svanberg@afconsult.com





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