# **BULLETIN 4**



# 2 - 6 October 2019

Be part of it!









# CONTENT

1.	GENERAL INFORMATION	4
2.	COMPETITION INFORMATION 2.1 Competitions 2.2 General Program 2.3 Detailed time table 2.4 Food, bike wash, bike repair, and baggage transport 2.5 Classes 2.6 Participation restrictions	5 5 5 5 7 7
3.	EMBARGOED AREAS	8
4.	RULES, ANTI-DOPING, TIME KEEPING, MAP SYMBOLS 4.1 Rules 4.2 Anti-doping 4.3 Time keeping and start procedure 4.4 Competition Jury 4.5 Special map symbols	9 9 9 10 10
5.	DETAILED COMPETITION INFORMATION 5.1 Model event 5.2 Middle distance 5.3 Long distance 5.4 Mass start and Relay 5.5 Sprint	11 11 11 14 16 18
6.	CLIMATE	20
7.	MEDIA SERVICES	20
8.	PREVIOUS ORIENTEERING MAPS	21
9.	RED / ORANGE GROUPS and SUMMARY OF ENTRIES	24











# We thank our sponsors for their support:













We thank our partners for their support:









Breitenbrunn



Thalheim



Johanngeorgenstadt















#### Dear Mountainbike Orienteerer, dear friends of the orienteering sport,

a warmly welcome to the Free State of Saxony to four sportive days full of exciting competitions. I send a special welcome to all international athletes: I am happy, that you are a guest in the Erzgebirge, a region that shaped Saxony since centuries through its nature and through mining. The "Montanregion Erzgebirge" now belongs to the World Heritage. However, this region is also a home for sports. Therefore I think that the orienteering sport as a combination of nature, technology and sports competition fits very well to the Erzgebirge.



Photo: Pawel-Sosnowski

During the final in the MTBO World Cup, Youth- and Junior European Championships, and the Masters World Championships more than 600 athletes take part. In different distances around the Sportpark Rabenberg they will show how attractive the orienteering sport is and that many active athletes and fans in Germany already exist. I can well imagine that the encouragement through the open races and the offers to test MTBO will help to grow the popularity.

My special thanks goes to all those who joined with great commitment the preparation and implementation of the event, as well as to the sponsors and the helpers on site. I wish the organizers good succeed, all participants good and injury-free rides and all spectators eventful race days at all stages. My wish is: Take all a few nice memories from the Erzgebirge, come back and see other parts of Saxony as well.

#### **Michael Kretschmer**

Ministerpräsident des Freistaates Sachsen

# **Dear Orienteering Friends,**

it is our honour and great pleasure to welcome you to the region Erzgebirge for the international season final in Mountainbike Orienteering in 2019. The cities Breitenbrunn, Johanngeorgenstadt, Thalheim and Oberwiesenthal will host the third round of the World Cup, the World Masters Championships and the European Junior and Youth Championships in MTBO 2019. We hope that you will enjoy our region where mining has been always a central part of the local life within in its beautiful landscape with steep mountains and valleys. We thank the local municipalities, the state government, the sponsors and every single wheel within the organizers team for creating and supporting this event.



We wish all competitors successful races and enjoy your time in the Erzgebirge.

### Steffen Lösch

President German Orienteering Federation











#### 1 - GENERAL INFORMATION

**Organisers** Deutsche Ski-Orientierungslauf Gemeinschaft 2016 e.V.

c/o Diethard Kundisch

Altlaubegast 10 01297 Dresden Germany

International Orienteering Federation (IOF)

Deutscher Turner-Bund e.V. (DTB)

Patron of the event Prime Minister of Saxony Michael Kretschmer

**Event director** Anke Dannowski Bernd Kohlschmidt Head of club **Technical director** Diethard Kundisch Media service Daniel Härtelt

+49 176 205 305 75 Contact

mtbo2019@mtbo-deutschland.de

Web page http://2019.mtbo-deutschland.de

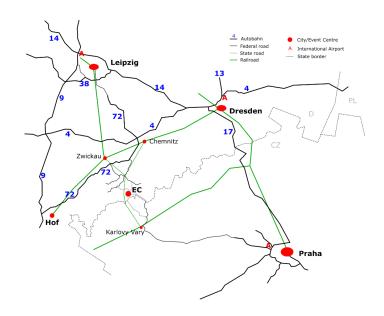
**IOF** Event adviser Patrik Gunnarsson (SWE) **National controller** Miklós Mets (HUN)

**Dates** 02.-06.10.2019

**Venue/Event Centre** Sportpark Rabenberg

08359 Breitenbrunn

GPS: 50°27'20.1"N 12°44'31.8"E / 50.455583, 12.742167













#### 2 - COMPETITION INFORMATION

#### 2.1 Competitions

World Cup Round 3 (WCup) European Youth and Junior Championships (EYJMTBOC) World Masters Championships (WMMTBOC)

Young Guns Series (YGS) World Masters Series (WMS)

Open races, including W/M-11, W/M-14, W/M35, E-Bike, Trail-O

# 2.2 General Program

		General	Elite	Youth and Juniors	Masters			
02.10.	Wednesday	Arrival / Training	Model Even	Model Event 14-16 Start at Sportpark Rabenberg				
03.10.	Thursday	Arrival / Training Open Competition	Model Event	Middle	Middle			
04.10.	Friday	Trail-O Open Competition	Long	Long	Long			
05.10.	Saturday	Open Competition Banquet	Mixed-Relay	Relay	Mass start			
06.10.	Sunday	Open Competition Departure	Sprint	Sprint	Sprint			

#### 2.3 Detailed time table

#### National holiday:

Be aware that the 3<sup>rd</sup> of October (Thursday) is a national holiday in Germany. Basically all shops are closed on this day, however gas stations often having small shops should be open.

Parallel to the main competitions we offer open races for W/M-11, W/M-14, W/M21 and W/M35 age classes. E-Bike riders can ride an open course every day.

On Friday, 4<sup>th</sup> of October, you can take part in Trail-O on a special map directly in the Event Centre. This is a good opportunity to try out Trail-O and also might be a good warm-up or cooldown. Regular Trail-O participants will enjoy the course as well.

Changes in the time table compared to Bulletin 3 are marked in red.











# Time table:

Wednesday 02.10.2019	Elite	Juniors/Youth	Masters	Open				
10-20 (with breaks)	Event Centre open							
17-20		Media Centre open						
12		Start group allocation middle						
14-16		Model event with start at \$	Sportpark Rabenberg					
free		Free training at mo	del event map					
19		Team leaders meeting						
19:30	Info session afterwards social gath							

Thursday 03.10.2019	Elite	Juniors/Youth	Masters	Open					
7-9 / 16-20	Event Centre open								
17-20		Media Centi	e open						
8-14	Event office Sportpark Thalheim								
8:30-16	Event Media Centre open (Sportpark Thalheim)								
10 until last start	Start quarantine (change to Bulletin 3)								
10		Mi	iddle in Thalheim						
14:00		Prize	e giving in Thalheim						
12	Start gro	oup allocation long							
15-17	Model event with start at Sportpark Rabenberg								
free until 17	Free training at model event map								
19	Team leaders meeting								

Friday 04.10.2019	Elite	Juniors/Youth	Masters	Open				
8-20	Event Centre open							
8:30-20	Media Centre open							
		Model event area is closed until end of Long						
9	Long at Sportpark Rabenberg (Masters and Youth)							
9-12	Finish quarantine							
~11:30	First start Lo							
12 until last start		Start quar	antine					
14	Start grou	up allocation relay						
14-16		·		Trail-O				
17-18		Opening of the event	and Prize giving	•				
19	Team le							

Saturday 05.10.2019	Elite	Juniors/Youth	Masters	Open					
7-8 / 17-19		Event Centr	e open						
17-19		Media Centr	e open						
9-16		Event office Ski Arena Oberwiesenthal							
8:30-16		Event Media Centre open (Sk	i Arena Oberwiesenthal)						
free	Training at Sportpark Rabenberg								
9			Mass start at F	ichtelberg					
12	Start gro	oup allocation sprint							
12:30- ~13:15	Start quara	antine until the start of the 6ed	nation of the 3rd leg in all	categories					
12	Relays at Fichtelberg								
18	Team leaders meeting								
19	Prize giving / BBQ with live music								

Sunday 06.10.2019	Elite	Juniors/Youth	Masters	Open					
5		City centre of Johanngeorgenstadt (Mittelstadt) is closed for all competitors and people that want to communicate with competitors prior their finish.							
7-8		Event Centre open							
8:30-14		Event office Johani	ngeorgenstadt						
8:30-16		Event Media Centre open	(Johanngeorgenstadt)						
7-9:30		Breakfa	ast						
9:30		Sprint in Johannge	eorgenstadt (Masters and	d Youth)					
~11:00	First start Sprint (Elite and Juniors)								
9:30-until last start	Start quarantine								
14	Prize giving / departure								











#### 2.4 Food, bike wash, bike repair, baggage transport

After the races local food and drinks (cold/warm/vegetarian in a simple style) are offered in the competition centres and/or finish quarantines (payment in cash only).

Bike wash will be available at the Event Centre every day. Additionally, it is provided in the finish arena of the middle distance and the mass start/relay.

In the case parts of your bike break during competition or training, a bike service will be active from Friday morning to Sunday morning in the event centre Sportpark Rabenberg. However, the diversity of bike parts is incredibly large, so our bike service has only a small selection of replacement parts needed to fix your bike. Don't forget to bring your own special replacement parts. Bike shops are in Chemnitz and are open on Friday and Saturday.

Baggage transport from Start to Finish is offered at middle, long, and sprint competition.

#### 2.5 Classes

World Cup W/M 21; mixed in relay **EYJMTBOC** W/M-17 and W/M-20

W/M 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, ... **WMMTBOC** 

(Two adjacent classes in the same decade shall be merged if either or both have fewer than 5 entries. W/M 70 and older keep

the 5 year steps independent on registered starters)

YGS W/M-17, W/M-20

WMS+ W/M 35

W/M-11, W/M-14, Open-Short, E-Bike Open

Trail-O

#### 2.6 Participation restrictions

**World Cup** Each federation may enter a team of 12 competitors - up to 6

women and 6 men in each individual event and an unlimited

number of team officials.

Each federation may enter a maximum of 4 teams of 3 riders in the mixed-relay. Each team must include at least one woman.

**EYJMTBOC** For each individual competition a Federation may enter a

> maximum of 6 competitors in each class born in 1999 or later in W/M-20 and 2002 or later in W/M-17. The organising Federation may have two additional competitors as official EYJMTBOC

competitors in the individual competitions.

Each federation may enter a maximum of 2 teams of 3 riders in

each class in the relay.

**WMMTBOC** Participation in WMMTBOC is open to all competitors according

to their age classes.











#### 3 - EMBARGOED AREAS

The areas marked on the maps are embargoed for all orienteering activities, unless specifically permitted by the organisers. Two types of embargoed areas exist (orange and red):

The red embargoed areas are full embargoed zones. They are out of bounds for all potential participants and team members, including competitors, team leaders, coaches, doctors, escorts, and any other person who through their knowledge of the terrain may influence the results of the competitions.

#### Following applies for red embargoed areas:

 Potential participants and team members are not allowed to visit these areas with or without a map. This means no orienteering activity, no bike training session in the trail park or a leisurely activity of any kind is allowed.

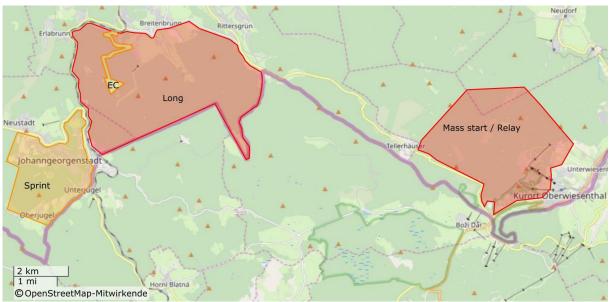
The orange embargoed areas are partially embargoed. These areas can be visited without an orienteering map. Visitors have to stay on the public road network. Any orienteering activity is restricted and it is strictly forbidden to do route testing.

#### Following applies for orange embargoed areas:

- No orienteering activity may take place in the area.
- No training sessions may take place in the area.

The model event map is part of the embargoed area for the long distance. From 10:00 on 2<sup>nd</sup> of October the area shown on the model event map is open for training until 3rd of October 17:00. Don't leave the model event map towards the race area!! After 17:00 on 3rd of October the model event map is embargoed area again until the last finish of the Long distance competition. Afterwards you can enjoy the Rabenberg trails and tracks.

The city centre of Johanngeorgenstadt (Mittelstadt) will be closed from 5:00 on 6th of October until the finish of the competitor. This is valid for all competitors and people that want to communicate with competitors prior their finish. Competitors are not allowed to go to the finish area (as shown on the map in section 5.5 race details) prior their start.



Access to the Event Centre is allowed following the official road from the North. The road is shown in the map as the orange sector in the embargoed area for Long distance.

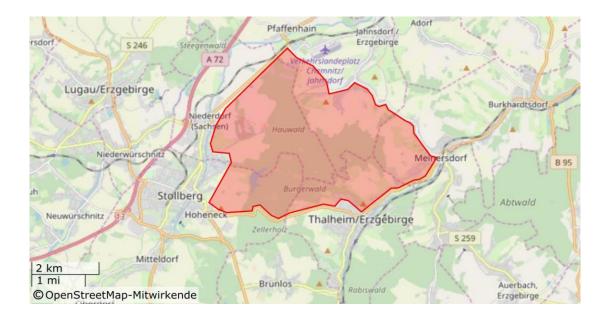












# 4 - RULES, ANTI-DOPING, TIME KEEPING, and special MAP SYMBOLS

#### 4.1 Rules

The competitions for all age classes will be organized in accordance with the Competition Rules for IOF MTB Orienteering Events, valid from 1st January 2019 and the Special Rules for the World Cup.

All Competition Rules for IOF MTBO rules are available here: https://orienteering.org/mtb-orienteering/rules/

In general riding, running, walking off the tracks will be strictly forbidden for all disciplines. Symbol 839 (orange area or orange stripe) will be used where off-track riding is allowed, as shown in ISMTBOM 2010, appendix 1 (p. 16). There might be controls situated outside paths/tracks or roads only on the symbol 839.

In the long distance area, MTB single trails exist that can be used only in one direction. The direction of usage will be indicated by arrows in magenta. Riding, running or walking along those trails in the wrong direction will lead to disqualification.

We share the forest roads and public roads with other cyclists, pedestrians and horse riders. Please be careful when overtaking or at crossings.

Riders have to stay on the right side of tracks and roads and overtake on the left side or have to communicate on which side they overtake depending on the situation on the track. Don't cut corners and ride on the left side of the track in a crossing.

#### 4.2 Anti-doping

Doping is forbidden. The IOF Anti-Doping Rules apply to all age classes of this event and the IOF Council may require doping control procedures to be conducted. It is the responsibility of competitors to obtain any required TUE (therapeutic use exemption) certificate.

Elite has to bring ID or passport to each competition to show it in case of anti-doping tests.

#### 4.3 Time keeping and start procedure

The electronic punshing system SPORTident Air+ with a working range of 180 cm will be used in all competitions.







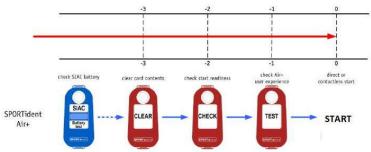




All competitors have to use an ActiveCard (SIAC). Other SI cards will not work with the system. Rental will be possible for 4 Euro per day. You can also buy a SIAC in the event centre.

A silent SIAC will be provided by the organiser as back-up system.

#### Start procedure:



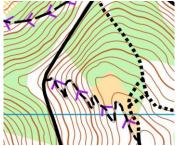
# 4.4 Competition Jury

Vera Parizkova, CZE Wolf Eberle, AUT Nermin Fenmen, GBR

# 4.5 Special map symbols

Two special symbols will be used:

- (1) Winding tracks will be drawn as on the image below with 25% grey colour under the black line to show the rider the course of the track. This symbol is used on any kind of meandering track and trail, independent if it is a MTB single trail. The symbol has been used in the MTBO camp in Denmark and during the WMTBOC in Denmark 2019.
- (2) In the long distance area, MTB single trails exist that can be used only in one direction. The direction of usage will be indicated by arrows in magenta as shown in the image below. Riding, running or walking along those trails in the wrong direction will lead to disqualification.
- (3) The testing symbol for rideable area2 (orange colour) as shown in ISMTBOM 2010, appendix 1 (p. 16) will be used for areas where off-track riding is allowed. It will also be used to show indistinct junctions.



One way tracks and 25% grey under the black line for meandering tracks.



Indistinct junction



Off-track riding is allowed in orange areas. Rideability is not shown by that symbol and can different from very good to very slow.











# **5 – DETAILED COMPETION INFORMATION**

#### 5.1 Model event

The model event will start at Sportpark Rabenberg. It will be most relevant for the long distance terrain. Don't leave the map, else you will be in the embargoed zone.

#### 5.2 Middle distance – Thursday, 03.10.2019

Venue

Event and finish arena: Sportpark Thalheim

50°42'30.9"N 12°50'28.4"E (50.708586, 12.841215)

Pre-Start / quarantine area: Grundschule Thalheim

50°42'07.8"N 12°50'24.7"E (50.702176, 12.840189)

**Distances** 

36 km (50 min) by car from Sportpark Rabenberg

500 m - 2 kmParking – EC/Finish: Parking – Start: 300 m - 2 km

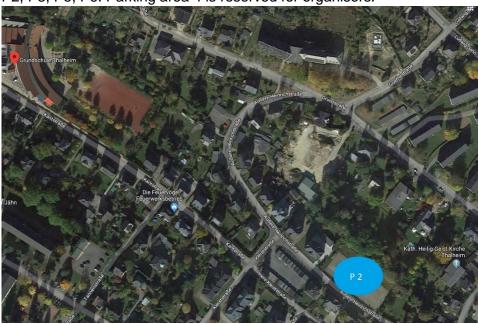
Finish – Start: ~2 km

Start quarantine – Start: ~1.7 km / 45 m climbing ( Pre-start: -15 min )

Start – Map start:

# **Parking options**

Competitors can use the streets southeast of the finish arena or the proposed parking lots P2, P3, P5, P6. Parking area 4 is reserved for organisers.















Bürgerwald - Thalheim Map

Size: А3

1:10 000 / 5 m

Inset 1: 2500 / 2 m Scale/Contour:

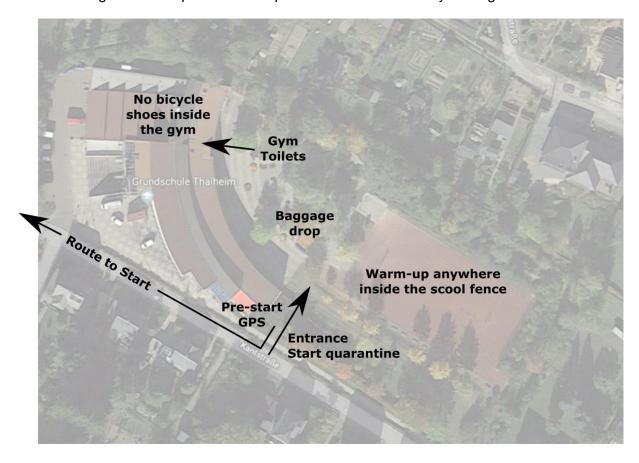
Mapper: Hanka Straube / Hendrik Hess

Course setter: Anke Dannowski

#### Start quarantine:

All participants must enter the start quarantine before 10 a.m. Pre-start from the start quarantine exit at -15 minutes. The way from the pre-start to the start will be marked and has a distance of ~1700 m and 45 m climb.

GPS will be given to competitors at the pre-start and is mandatory if assigned.



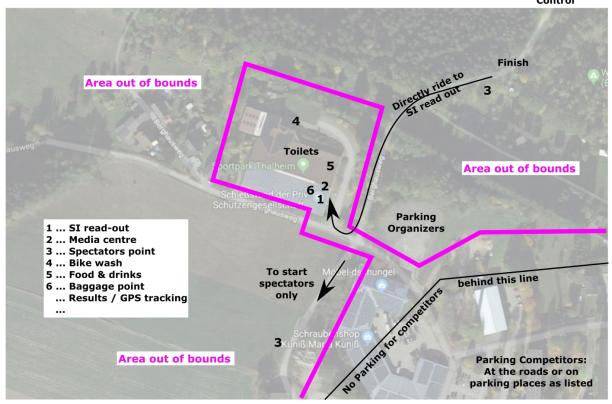












#### Special area with off-track riding for the middle distance

All courses excluding WM-11 will have a section in a MTB and motocross trial park. It is separated by a fence. Inside the fence off-track riding is allowed. There are many man-made features, concrete tubes, stones, trees, tires, hills. Those man made features are generalised in the map, not each single stone or object is represented by a single symbol. To further enhance the map readability a scale of 1:2500 was chosen. The map extract is printed beside the main map on the same side of the A3 paper.











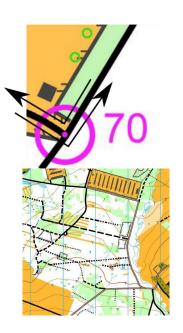


At the entrance of the Trial-Park, you have to pass a control number 70. The same control has to be punched on the exit again. Always stay right side of the control to avoid accidents of riders in the opposite direction.

Only within the Trial-Park off-road riding is allowed. On the main map the rules strictly staying on paths and roads applies.

# Terrain and map sample:

The competition area has an altitude between 430 m and 560 m. It comprises of a medium dense track network with all kinds of rideability. The area has only a few steep climbs but is in general a smooth hilly terrain.



Classes	<b>Length</b> Shortest sensible [km]	<b>Length</b> Straight line [km]	Total climb [m]	Controls number	Winning time [min]
M20	15.0	10.2	290	27	40-45
W20	13.5	9.5	260	24	40-45
M17	9.8	6.7	215	21	32-37
W17	8.8	6.1	120	20	32-37
M40/M45/M35	17.9	12.1	315	28	50-55
W40/W45/W35	15.3	10.3	260	26	50-55
M50	16.6	11.0	290	29	50-55
M55	16.2	10.8	285	25	50-55
W50/W55	13.6	9.5	260	26	50-55
M60/M65	15. 5	10.4	270	26	50-55
W60/ M70	12.7	8.6	245	24	50-55
W65/ M75	12.1	8.2	245	25	50-55
W70/W75/M80/M85	9.9	6.6	135	20	50-55
W/M-14	5.8	4.4	95	17	30-40
W/M-11	4.2	3.2	65	9	30-40
OpenMW21/E-Bike	15.3	10.3	260	26	

#### 5.3 Long distance - Friday, 04.10.2019

Venue

Event and finish arena: Sportpark Rabenberg

50°27'18.5"N 12°44'38.1"E (50.455138, 12.743927)

Pre-Start / quarantine area: Bus garages Rabenberg

50°27'21.3"N 12°44'42.2"E (50.455908, 12.745060)

Finish quarantine area: Party tent in Sportpark Rabenberg

50°27'15.0"N 12°44'30.6"E (50.454158, 12.741839)

**Distances** 

0 km from Sportpark Rabenberg

Parking: Directly in the event arena

Start and finish quarantine are near the main building

Start – Map start: 0 m











Map Rabenberg Size: A3 (2 pages)

Scale/Contour: 1: 15 000 / 5 m and 1: 10 000 / 5 m (older masters)

Map change: The second map starts with a start triangle on the same

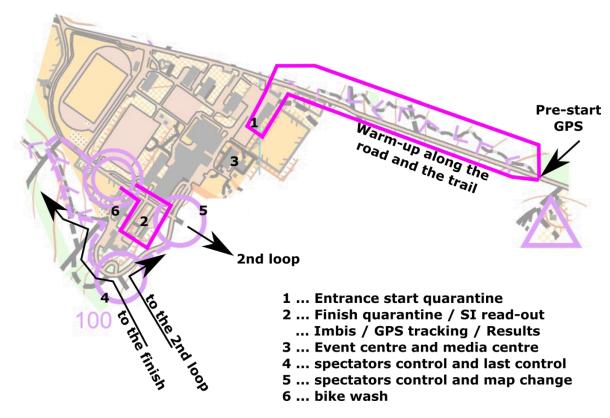
position as the last control of the first page. Control

numbering continues on the second map.

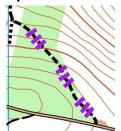
Mapper: Mark Huster

Miklos Mets / Anke Dannowski Course setter:

#### Start and finish arena



#### Special features



Due to strong winds last winter, there are many fallen trees in this area. Forest workers are pulling out the trees frequently with large machines. There might have been changes regarding new forest tracks and or amount of fallen trees after the maps were printed.

If there is a section along a track with an uncountable amount of fallen trees they are displayed with three barrier signs. It is basically impossible even to hike the bike along those tracks.

#### Terrain and map sample:

The competition area has an altitude between 600 m and 900 m. It comprises of a medium dense track network with all kinds of rideability. A mountain bike trail network will be used in the competitions. Some of them are one way. The area has plenty of steep climbs and descents and some flat sections. It will demand you physically.













Classes	<b>Length</b> Shortest	<b>Length</b> Straight line	Total climb	Controls	Winning time	Refreshment
	sensible [km]	[km]	[m]	number	[min]	number
M21	38.9	29	940	22	105-115	1
W21	32	25.7	790	21	105-115	1
M20	32.5	22.3	650	16	85-90	1
W20	26.3	17.5	510	15	85-90	1
M17	25.5	17.1	420	14	70-75	1
W17	18.1	12.8	400	13	70-75	1
M40/M45/M35	33.5	22.2	810	15	105-115	1
W40/W45/W35	27.5	19.1	560	14	105-115	1
M50	33.2	22.4	680	20	105-115	1
M55	28.9	20.1	760	16	105-115	1
W50/W55	25.1	17.3	420	14	105-115	1
M60/M65	26.8	18.6	580	15	105-115	1
W60/W65	19.2	14.8	280	13	105-115	1
M70/M75	19.1	15.2	280	15	105-115	1
W70/W75/M80/M85	15.5	12.8	175	13	105-115	1
W/M-14	13.8	9.8	205	10	65-75	0
W/M-11	7.8	5.8	80	8	45-55	0
Open/E-Bike	27.5	19.1	560	14		1
•	•	- '				

# 5.4 Mass start and Relay - Saturday, 05.10.2019

Venue

Finish arena: Ski-Arena Oberwiesenthal

50°25'02.3"N 12°56'06.6"E (50.417303, 12.935160)

50°25'03.6"N 12°56'05.1"E (50.417652, 12.934754) Start quarantine

for 2<sup>nd</sup> and 3<sup>rd</sup> rider of the relay from 12:30:

**Distances** 

23 km (30 min) by car from Sportpark Rabenber

18 km (350 m climb) by bike

Parking: Directly in the event arena

Start and finish are in the event arena

Start – Map start: 130 m

Fichtelberg Map Size: A3 (2 pages) Scale/Contour: 1:10 000 / 5 m Harald Männel Mapper: Course setter: Harald Männel

Map change:

Relays: Maps are printed on two paper. The second map starts with a

start triangle on the same position as the last control of the first page. Control numbering continues on the second map.

Mass start: Both maps are printed on one paper, double sided. The

second map starts with a start triangle on the same position as the last control of the first page. Control numbering starts

with 1 on the second map.

Due to strong winds last winter, there are many fallen trees in this area. The Ski-Arena is build new as well and new tracks might be created during the very last few days. New tracks created after map printing will be closed with red-white band and should not be used during the competition.



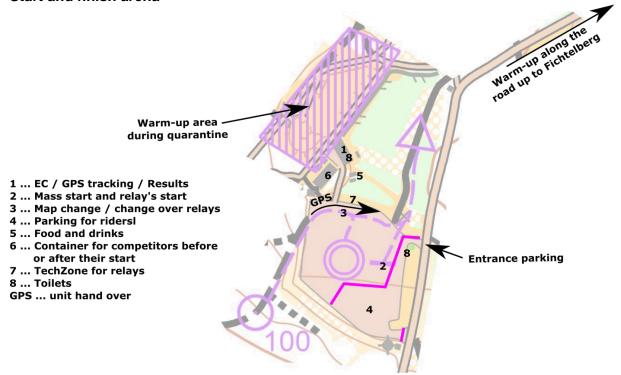








#### Start and finish arena



There will be a running event (Fichtelberglauf) on the eastern side of the Fichtelberg with finish at the top of the Fichtelberg. There could be more traffic than usual on the road up to the Fichtelberg. However, the road can be used for warm-up.

#### **Terrain and map sample:**

The competition area has an altitude between 1050 m and 1200 m. However only during the warm-up you can see the top of Fichtelberg. It comprises of a dense to medium dense track network with all kinds of rideability. Part of the courses will be within the ski track network and within the ski arena. The area offers a good mixture of climbs, descents, and flat sections.



Classes	<b>Length</b> Shortest	<b>Length</b> Straight line	Total climb	Controls	Winning time	Refreshment
	sensible [km]	[km]	[m]	number	[min]	number
Mixed-21	15.7	10.7	335	18	40-45	1/TechZone
M20	13.9	9.1	310	15	35-40	1/TechZone
W20	12.2	8.3	250	15	35-40	1/TechZone
M17	11.5	7.8	235	15	30-35	1/TechZone
W17	10.3	6.9	200	13	30-35	1/TechZone
M40/M45	21.9	13.4	520	35	75-85	1 at ~70%
M50/M55	19.5	12.4	490	33	75-85	1 at ~70%
W40/W45/M60/M65	17.8	11.9	450	32	75-85	1 at ~70%
W50/W55	14.2	9.1	385	25	75-85	1 at ~70%
W60/W65/M70/M75	11.2	7.5	345	21	75-85	1 at ~70%
W70/W75/M80/M85	9.3	6.3	290	21	75-85	-
W/M-14	8.2	5.5	245	16	50-60	-
W/M-11	4.8	3.1	150	13	50-60	-
Open/E-Bike	17.8	11.9	450	32		-











#### 5.5 Sprint - Sunday, 06.10.2019

Venue

Finish arena: City centre Johanngeorgenstadt (Mittelstadt)

50°25'59.1"N 12°42'39.0"E (50.433081, 12.710836)

Start quarantine area: Loipenhaus Johanngeorgenstadt

50°25'57.0"N 12°41'30.5"E (50.432510, 12.691812)

50°26'17.3"N 12°41'37.4"E (50.438141, 12.693709) Parking:

All competitors shall park near the start. The city centre is

closed until the competitor finishes the course.

**Distances** 

13 km (17 min) by car from Sportpark Rabenberg

7 km (190 m climb) by bike

Parking – Start: 130 m - 600 m

Finish – Start: 1.5 km Start – Map start: 30 m

Map Johanngeorgenstadt

Size: A3 (2 pages) Scale/Contour: 1:4000/5 m

Renate Tröße / Martin Thorwart Mapper:

Course setter: Anke Dannowski

# Start quarantine:

All participants must enter the start quarantine before 9:30 a.m. GPS will be given to competitors at the pre-start and is mandatory if assigned. GPS pick-up at 10 min before your start.







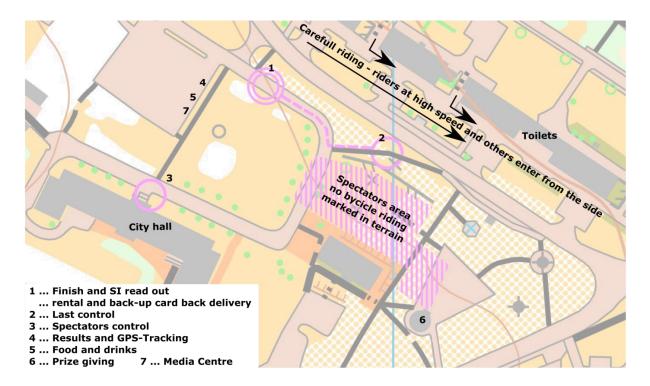






#### Finish arena

The city centre of Johanngeorgenstadt (Mittelstadt) will be closed from 5:00 on 6th of October until the finish of the competitor. This is valid for all competitors and people that want to communicate with competitors prior their finish. Competitors are not allowed to go to the finish area, as shown on the map, prior their start.



#### Special features

Short sections of dotted tracks can symbolise stairs. In this case riders are allowed to ride beside the stairs.

Hedges are presented as green lines.



Symbol 529 (paved area) is used at some places for open areas with hard ground and fast riding, i.e. unpaved parking places or around garages.

Off-track riding is allowed where orange is mapped. Some of these areas show small patches of rough open land. It is not recommended to ride through, but riders will not be disqualified if they pass these areas.



#### Terrain and map example:

The competition area has an altitude between 880 m and 740 m. It comprises of a mixture of urban area, open land and forest areas with a medium to dense road and track network in general fast rideable. The start will be higher than the finish, most courses will climb only a few meters in smooth climbs.













Classes	<b>Length</b> Shortest	<b>Length</b> Straight line	Total climb	Controls	Winning time	Refreshment
	sensible [km]	[km]	[m]	number	[min]	number
M21	9.2	6.7	105	39	20-25	-
W21	7.7	5.7	90	35	20-25	-
M20	7.1	5.3	80	35	15-20	-
W20	6.0	4.5	60	27	15-20	-
M17	5.4	4.2	55	28	15-20	-
W17	4.9	3.7	45	25	15-20	-
M40/M45	7.5	5.5	80	34	20-25	-
M50	6.9	5.3	75	36	20-25	-
M55	6.4	5.0	80	32	20-25	-
W40/W45/M60/M65	6.6	4.9	70	32	20-25	-
W50/M55	5.7	4.5	70	28	20-25	-
W60/W65/M70/M75	5.3	4.2	60	28	20-25	-
W70/W75/M80/M85	4.2	3.5	60	28	20-25	-
W/M-14	3.7	2.8	25	22	15-20	-
W/M-11	2.1	1.9	10	14	15-20	-
Open/E-Bike	6.6	4.9	70	32		-

# 6 - CLIMATE

Sportpark Rabenberg is situated 860 m above sea level. The average temperature in beginning of October is around 11° C. However, the day temperature can vary strongly between 6° and 20° C. Mean temperature during night 3-8° C. Beginning of October is one of the driest periods in this area with average rain of ~16 days per month. The average precipitation is ~71 mm for October.

The area for the middle distance is situated ~500 m above sea level. While temperatures are about 5° higher, the amount of rain is similar compared to Sportpark Rabenberg.

#### 7 – MEDIA SERVICES

Media representatives are invited to our event. As media representatives, you benefit from our experience of 10 years reporting from orienteering events all over the world. We have deliberately chosen a concept of short distances and offer you a wide variety of support for journalists, photographers and television staff. Ideal conditions for us means amongst others very detailed media information, a reasonable internet connection, good photo and good TV positions during the competitions, and a press centre where you can work without any time pressure after the competitions. Experienced media team members will guide you through the competition days.

Event centre, press centre and hotel - everything is concentrated at Sportpark Rabenberg. The press centre is located in a separate building at the event centre.

If you are interested, we invite you to get impressions of the region outside the event.

We will reserve a quota of rooms especially for media representatives. The accreditation for the event will be done via a form found on the website soon.

media@mtbo-deutschland.de Your contact: Daniel Härtelt

+49 151 614 844 65







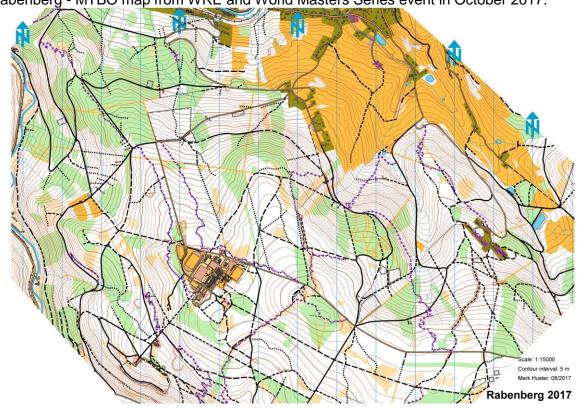




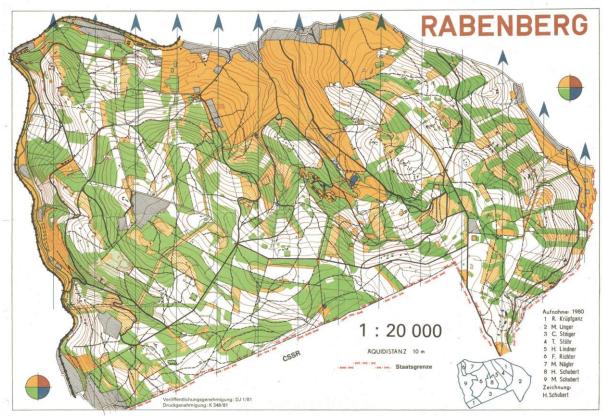
# 8 - PREVIOUS ORIENTEERING MAPS

Maps in higher resolution are available at the event web page.

Rabenberg - MTBO map from WRE and World Masters Series event in October 2017:



# Rabenberg - Foot-O map from 1980:





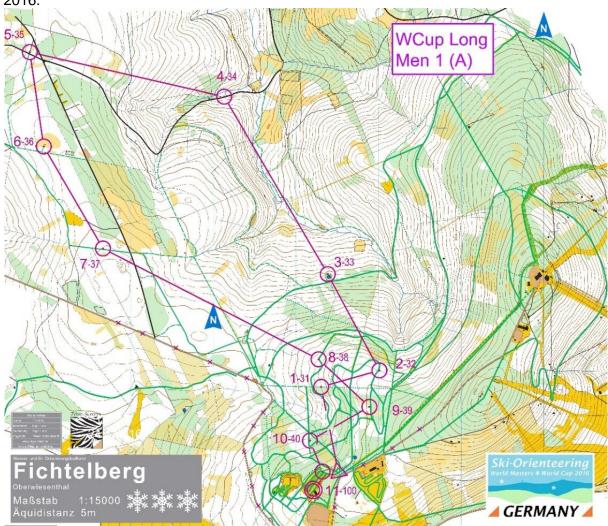








Fichtelberg (Oberwiesenthal) - Ski-O map from World Cup and World Masters Championship 2016:





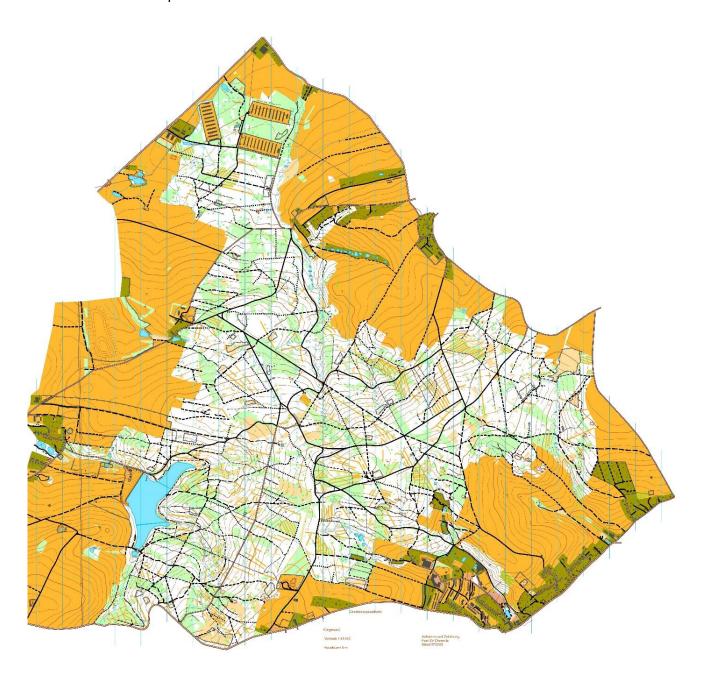








Thalheim - MTBO map from 2014:













# 9 - RED / ORANGE START GROUPS and SUMMARY OF ENTRIES

Red g	roup women			Red	group men		
1	Benham Kvale	Emily	GBR	1	Foliforov	Anton	RUS
2	Kubinova	Veronika	CZE	2	Medvedev	Grigory	RUS
3	Hara	Marika	FIN	3	Bogar	Krystof	CZE
4	Larsson	Nadia	SWE	4	Gluhov	Valeriy	RUS
5	Andrasiuniene	Gabriele	LTU	5	Laurila	Jussi	FIN
6	Svir	Anastasiya	RUS	6	Malsroos	Lauri	EST
7	Rothweiler	Maja	SUI	7	Gritsan	Ruslan	RUS
8	Bolshova	Anastasiya	RUS	8	Stransky	Vojtech	CZE
9	Reiner	Marina	AUT	9	Braendli	Simon	SUI
10	Devillers	Constance	FRA	10	Fuchs	Baptiste	FRA

Orang	Orange group women				Orange group men			
11	Stengard	Ingrid	FIN	11	Stransky	Vojtech	CZE	
12	Saarela	Ruska	FIN	12	Hradil	Jiri	CZE	
13	Christoffersen	Caecilie	DEN	13	Maiselis	Jonas	LTU	
14	Bylars	Linn	SWE	14	Dallavalle	Luca	ITA	
15	Fedoseeva	Alena	RUS	15	Larsson	Viktor	SWE	
16	Novakova	Katerina	CZE	16	Haselsberger	Kevin	AUT	
17	Gigon	Michaela	AUT	17	Deriaz	Samson	FRA	
18	Forsgren	Sara	SWE	18	Bettega	Fabiano	ITA	
19	Kamarytova	Marie	CZE	19	Balev	Yuri	RUS	
20	Drobnikova	Marketa	CZE	20	Courtois	Yoann	FRA	

# Entries for World Cup Final Round 3:

Federation	Men	Women	Total
= Austria	4	2	6
Czech Republic	6	6	12
<b>■</b> Denmark		1	1
= Estonia	2	1	3
+ Finland	4	4	8
<b>■</b> France	5	2	7
Germany	6	2	8
Sreat Britain		1	1
= Hungary	1		1
<b>■</b> Italy	6		6
Japan		1	1
Lithuania	3	2	5
Poland	2	1	3
Portugal	5	1	6
Russian Federation	6	6	12
Slovenia	1		1
<b>≡</b> Spain	3		3
<b>■</b> Sweden	3	3	6
Switzerland	2	1	3
Turkey		1	1
- Ukraine	2	1	3
Sum	61	36	97











# Entries for Youth and Junior European Championship:

Federation	Men 20	Women 20	Men 17	Women 17	Total
Austria Austria	3	1	3	2	9
Czech Republic	3	3	3	3	12
E Denmark	3	5	1		9
= Estonia		1			1
<b>←</b> Finland	5	4	6	4	19
France	3	3	3	3	12
Germany			3		3
oreat Britain			1		1
= Hungary		1	1		2
■ Italy				1	1
<b>L</b> atvia	1		1		2
Lithuania	3	2	2	2	9
Poland	2		1	3	6
Portugal		1	4		5
Russian Federation	6	6	6	6	24
■ Spain	2	2	3	1	8
Switzerland	2				2
Sum	33	29	38	25	125

# Entries for World Masters Championships:

Country	2019-08-21	2019-09-22	2019-10-01	Sum
Australia	4	0	0	4
Austria	9	0	0	9
Belgium	4	0	0	4
Czech Republic	36	1	0	37
Denmark	37	0	0	37
Estonia	4	0	0	4
Finland	18	0	0	18
France	14	0	0	14
Germany	40	0	0	40
Great Britain	12	0	0	12
Hungary	5	0	0	5
Italy	7	0	0	7
Japan	4	0	0	4
Latvia	1	0	0	1
Lithuania	9	0	0	9
New Zealand	3	0	0	3
No club membership	3	0	0	3
Poland	1	0	0	1
Portugal	1	0	0	1
Russian Federation	8	0	0	8
Slovakia	1	0	0	1
Slovenia	3	0	0	3
Spain	6	0	0	6
Sweden	27	0	0	27
Switzerland	11	0	0	11
Turkey	1	0	0	1
Sum	269	1	0	270



Photo front page: Daniel Härtelt / Photo last page: Homepage Sportpark Rabenberg









