



# Bükkszentkereszt Grand Prix

**27<sup>th</sup>-29<sup>th</sup> May 2023 (Saturday – Monday)**

## **BULLETIN 2 – COMPETITION INFORMATION**

### **1. Organiser**

On behalf of the Hungarian Orienteering Federation, Diósgyőr Orienteering Club will organise the event. Postal address: 3535 Miskolc, Árpád u. 1-3, phone: +36 30 442 8425, e-mail: [info@diosgyoritc.hu](mailto:info@diosgyoritc.hu)

### **2. Organising Committee**

<b>President:</b>	András <b>MAKAI</b>
<b>Vice presidents:</b>	Zsolt <b>GERZSÉNYI</b> (information, finish, results) Áron <b>LESS</b> (maps, courses) Száva <b>ZSIGMOND-HEINCZINGER</b> (terrain, courses, parking)
<b>Secretary, accommodation:</b>	Zsuzsanna <b>DEBNÁR</b>
<b>Course planners:</b>	Száva <b>ZSIGMOND-HEINCZINGER</b> (middle) Áron <b>LESS</b> (long, relay) Ábel <b>PINTÉR</b> (sprint)
<b>Controllers:</b>	Attila <b>KORÓZS</b> (middle) Gábor Sándor <b>BERECZ</b> (long) Gábor <b>KOVÁCS</b> (sprint and all 3 WRE races) Zsolt <b>DEMETER</b> (relay)
<b>Start:</b>	Zsuzsanna <b>DRAPCSIKNÉ FARKAS</b>
<b>Infrastructure:</b>	Gergely <b>PINTYILI</b>
<b>SPORTident:</b>	Gábor <b>JÓZSA</b>
<b>Parking:</b>	Dezső <b>KOTTMAN</b>
<b>Speaker:</b>	Zoltán <b>SZLÁVIK</b>

### 3. Event Centre

**Saturday and Sunday:** Bükkszentkereszt, Youth Camp ("Ifjúsági tábor"). GPS: [48.0605, 20.6314](#) This will be Pentecost weekend, expect traffic jams on the narrow road connecting Bükkszentlászló and Bükkszentkereszt. Therefore organisers recommend taking the Miskolc-Eger main road to Hollóstatő and then turning off in the direction of Bükkszentkereszt. Once in Bükkszentkereszt, follow the signs. Parking will be located on the side of the streets leading to the Youth Camp, 50-900 m from the Camp on a first-come-first-serve basis.

**Monday:** Miskolc-Lillafüred. GPS: [48.1025, 20.6236](#). Parking is only permitted in Lillafüred, the entire village of Felsőhámor is embargoed.

In the event centres (finish areas) there will be toilets and – in case of bad weather – changing rooms (tents) provided. There will be a buffet in Bükkszentkereszt serving hot and cold meals and refreshments. There are numerous buffets in Lillafüred close to the finish area.

### 4. Accommodation

If you have questions regarding accommodation, please contact the organiser directly at [info@diosgyoritc.hu](mailto:info@diosgyoritc.hu)

### 5. Check-in/registration for team leaders

27<sup>th</sup> May, Bükkszentkereszt Event Centre 11:30-14:00

28<sup>th</sup> May, Bükkszentkereszt Event Centre 8:30-10:30 and 14:30-15:00 (relay only)

29<sup>th</sup> May, Lillafüred Event Centre 07:30-09:30.

Personal check-in/registration is only necessary if you need to pick up SI cards or relay start numbers, need to modify SI numbers or have outstanding payment. All other matters (modifying personal data, new entry to open classes, etc.) shall be dealt with on-line no later than 8 p.m. May 26 (Friday) through <https://www.e-nevezes.hu/en/esemeny/show/469>

On the competition days, the organizer accepts new entries only as long as there are extra maps available.

Relay running order must be defined on-line before 15:00 on Sunday.

### 6. Merged classes

Individual competitions: F40A → F35A, N40A → N35A, N75A → N70A

relay: F100, F30, B30 → Mix Rövid (Short), F21 → Mix Hosszú (Long).

N100 and N21 are cancelled due to a lack of entries.

### 7. Control description

Individual competitions: printed on the map and also available at the start, 2 minutes before starting.

Relay: printed on the map. No loose control description.

## **8. Control set-up and punching**

SPORTident system will be used. There will be an orange-white flag at each control site and also a traditional manual punching device in case SPORTident fails. SI units will be set in touch-free mode so that competitors running with ActiveCards (SIAC, Air+, card Nr 8 xxx xxx) will not need to insert their SI card in the unit. SIAC cards must be brought within 30 cms of the units to register the punch. Successful punching is indicated by flashing lights and beep sound of the SIAC card.

Competitors running with traditional SI cards must insert their cards into the units. Successful punching is indicated by flashing lights and beep sound of the unit.

The traditional manual punching device must only be used in case SI fails. Please punch on the edge of the map and make sure to inform the finish officials.

SIAC cards may be rented for the price of 600 HUF / person / competition as long as the supply lasts. You can pre-order SIAC cards online until 25<sup>th</sup> May.

## **9. Results**

Paper-based results will not be regularly updated. You can follow the results as follows:

- On-line, at <https://liveresultat.orientering.se/?lang=en>. Radio controls and finish times will be displayed. Exact internet address can be found later on at the detailed competition information of each competition and also printed on the maps.
- Large monitors will be located at the Event Centre but these will be updated less often than the on-line results.
- Final results of each competition will be printed in the Event Centre on the following morning.
- After the competition day is over, final results will also be uploaded to [https://adatbank.mtfsz.hu/en/esemeny/show/esemeny\\_id/7889](https://adatbank.mtfsz.hu/en/esemeny/show/esemeny_id/7889)

## **10. Prize-giving ceremony**

Planned time for the individual event: 11:30 on Monday

Planned time for the relay: 18:00 on Sunday

## **11. Refreshments on course**

Drinking water will be provided after the finish line. Competitors shall pour water for themselves, preferably into their own cups – with respect to environment protection. There will be some cups provided.

The long courses of middle and long distance races will have in-forest refreshment opportunities. Please refer to the detailed competition info below.

## **12. Environment protection**

There will be no organised waste collection (with the exception of the buffet). Please take all your trash home (your accommodation) with you.

## **13. Miscellaneous general information**

- there will be a Livelox QR code on the map of the individual race. You can upload and compare GPS routes on Livelox. Courses will only be visible after the end of each competition.
- doctor will be available at the Event Center and also in the finish area of the long distance race.
- every competitor and every accompanying person accepts that pictures and videos may be taken of them and displayed in printed or on-line format.
- every competitor takes part on his/her own risk.

## **14. Detailed competition information – MIDDLE distance**

**Saturday, 27<sup>th</sup> May. IOF World Ranking event for M/W21E course and selection race for the Hungarian National Team for M/W 21E, F/N 20E, 18E and 16E**

### **a. Event Centre and parking**

Bükkszentkereszt, Youth Camp ("Ifjúsági tábor"). GPS: [48.0605, 20.6314](#)

Parking will be organized 50-900 m from the Event Centre on a first-come-first-serve basis. There is no climb on the way from the parking lots to the Event Centre. Please follow the instructions of the organizers.

### **b. First start:**

Saturday, 27<sup>th</sup> May, 13:00

### **c. Start and finish, quarantine**

Distance between the Event Centre & start: 1,000 m / 80 m climb, follow the blue-white ribbons. Clothes will be transported back from the start after the last start. Map start is 50 m from the time start. There is a blue-colored well with drinking water 400 m before the time start.

#### **Start procedure:**

- 3 min before starting: check-in, clear & check
- 2 min before starting: loose control description, SIAC check
- 1 min before starting: taking the map but only the category may be checked, the course must not be studied
- 0 min: starting at the start line

Maps will not be collected upon finishing. Please play fair.

Finish quarantine: until 110 minutes past the first start, only for the M/W 21E, F/N 20E, 18E and 16E classes. Please bring your stuff to the quarantine until 13:35.

### **d. Maximum running time**

120 minutes

### **e. Map**

The map of WOC 2009 was updated by János SÜMEGI in 2022. Specification: ISOM 2017-2. Printed on waterproof pretex paper, 120 g/m<sup>2</sup>, using digital technology. No covering plastic bag will be provided.

Scale for M/W 50 and above: 1:7,500, contour interval 5 m, size A4.

Scale for everyone else: 1:10,000, contour interval 5 m, size A4.

## f. Terrain

Karst terrain between 540-680 m a.s.l. with steep or moderately steep slopes. There are lots of point objects, such as lime or charcoal burning places, pits, knolls. The forest is usually easily runnable beech forest. The northern part is characterised by recently cut areas. Runnability is significantly reduced in several places due to non-arboreal undergrowth (not stinging nettle) and/or stony ground and/or broken-off braches. Visibility is generally good. Road network is average.

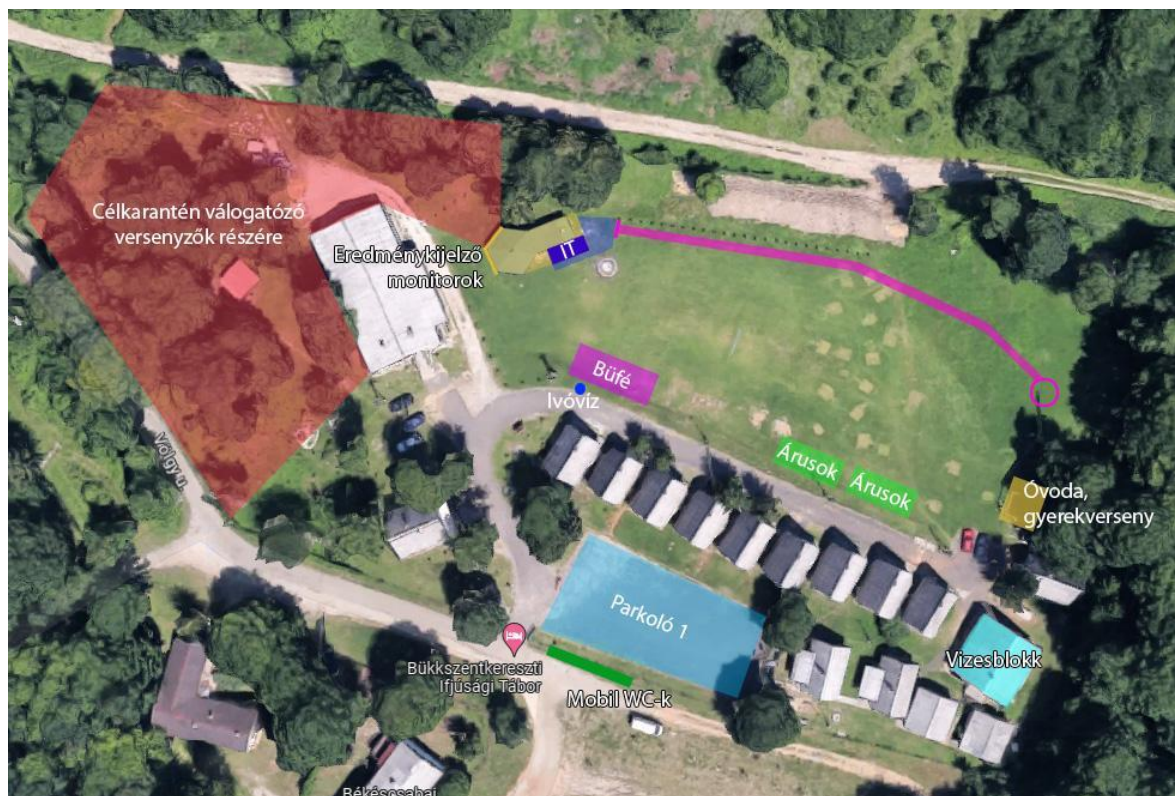
Should forestry works influence the courses, information will be given in the start.

## g. Course data (N = Women, F = Men)

Class	Distance	Climb	Controls	Class	Distance	Climb	Controls
<b>EC - start</b>	1,000	80	-	<b>F10D</b>	2,400 / 4,200	65 / 105	5
<b>N10D</b>	2,400 / 4,200	65 / 105	5	<b>F10DK</b>			
<b>N10DK</b>				<b>F12D</b>			
<b>N12D</b>				<b>F12C</b>	2,660	80	10
<b>N12C</b>	2,430	70	7	<b>F14E</b>	2,990	145	11
<b>N14E</b>	2,610	95	9	<b>F15-18C</b>	2,870	115	11
<b>N15-18C</b>	2,660	80	10	<b>F16E</b>	3,630	160	15
<b>N16E</b>	3,100	125	12	<b>F18E</b>	5,460	275	21
<b>N18E</b>	4,480	195	18	<b>F20E</b>	5,460	275	21
<b>N20E</b>	4,480	195	18	<b>F21Br</b>	3,880	170	15
<b>N21Br</b>	3,100	125	12	<b>F21C</b>	2,870	115	11
<b>N21C</b>	2,870	115	11	<b>M21E</b>	5,460	275	21
<b>W21E</b>	4,480	195	18	<b>F35A</b>	4,200	210	17
<b>N35A</b>	3,710	150	15	<b>F35Br</b>	3,540	115	15
<b>N35Br</b>	2,460	95	12	<b>F45A</b>	4,060	205	15
<b>N45A</b>	3,300	90	14	<b>F45Br</b>	3,300	90	14
<b>N45Br</b>	2,460	95	12	<b>F50A</b>	3,710	150	15
<b>N50A</b>	3,010	125	13	<b>F55A</b>	3,470	125	15
<b>N55A</b>	3,000	115	12	<b>F60A</b>	3,010	125	13
<b>N60A</b>	2,680	90	12	<b>F65A</b>	3,000	115	12
<b>N65A</b>	2,340	65	10	<b>F70A</b>	2,680	90	12
<b>N70A</b>	1,930	60	9	<b>F75A</b>	2,340	65	10
<b>Nyílt K</b>	2,430	70	7	<b>F80A</b>	1,930	60	9
<b>Nyílt Sz</b>	2,350 / 4,100	65 / 105	5	<b>Nyílt T</b>	3,420	150	13

There is a refreshment control on the M/W21E course, which also some other classes will visit - this will be indicated in the control description.

## h. Finish layout for Saturday and Sunday (information in Hungarian only)



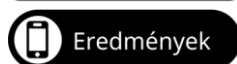
## i. Results, Livelox

On-line results can be found at

<https://liveresultat.orientering.se/followfull.php?comp=26212&lang=hu>

Courses and routes can be found at

<https://www.livelox.com/Events/Show/94437?qr=true>





## 15. Detailed competition information – LONG distance

**Sunday, 28<sup>th</sup> May. IOF World Ranking event for M/W21E and selection race for the Hungarian National Team for M/W 21E and F/N 20E classes**

### a. Event Centre and parking

same as for Saturday

### b. First start

Sunday, 28<sup>th</sup> May, 9:30 (!)

### c. Start and finish, quarantine

Distance between the Event Centre & start: 1,000 m / 80 m climb, follow the blue-white ribbons. Map start is 60 m from the time start. There is a well with drinking water 450 m before the start.

#### Start procedure:

- 3 min before starting: check-in, clear & check
- 2 min before starting: loose control description, SIAC check
- 1 min before starting: taking the map but only the category may be checked, the course must not be studied
- 0 min: starting at the start line

**There will be two finish areas.** M/W 21E and F/N 20E will finish at the Event Centre, all other classes will go to a remote finish. In the latter, there will be no refreshments provided but there will be a well with drinking water 150 m away (on the way to the Event Centre). The remote finish area is located on the way to the start, 650 m from the Event Centre. You may leave equipment here on your way to the start. SI read-out takes place at the Event Centre, please do not forget!

Maps will not be collected upon finishing. Please play fair.

Finish quarantine: until 110 minutes past the first start, only for the M/W 21E and F/N 20E classes. Please bring your stuff to the quarantine before heading out to the start.

### d. Maximum running time

M/W21E: 240 minutes. Everyone else: 180 minutes

### e. Map

A new part made by János SÜMEGI was added to the map of WOC 2009. The old map was updated by Áron LESS and János SÜMEGI in April-May 2023. Specification: ISOM 2017-2. Printed on waterproof pretex paper, 120 g/m<sup>2</sup>, using digital technology. No covering plastic bag will be provided. The 2009 version can be found on-line.

Contour interval is 5 m for everyone. Scale and size can be found next to the course data.



The majority of the prominent trees marked in the old map was taken off, still, many huge trees remain marked. Green x marks the huge trees broken in half where the bottom part of the trunk is still prominent and standing. There are no controls set at prominent trees or tree trunks.

#### f. Terrain

Karst terrain between 500-700 m a.s.l. with steep or moderately steep slopes. There are lots of point objects, such as lime or charcoal burning places, pits, knolls. The forest is usually easily runnable beech forest. The middle of the terrain is characterised by a meadow and many clearings. The steeper slopes are covered by stones, several areas are hardly runnable due to a combination of stony ground and knee-height non-arboreal undergrowth (not stinging nettle). Visibility is generally good. Road network is average.

Should forestry works influence the courses, information will be given in the start.

#### g. Refreshment controls

All three refreshment points will be at controls.

- Control #96 for M21E (31%)
- Control #50 for M21E (50%), W21E (46%), F20E (46%), N20E (37%), F18E (62%), F16E (49%), F35A (58%), F45A (74%)
- #105 for M21E (89%), W21E (86%), F20E (86%), N20E (81%)

Clean drinking water will be provided in cups.

Personal refreshments can be sent to control #50; please hand it over in the finish tent until 17:00 on Saturday. Please throw away the waste from the refreshments within 10 m of the control.

#### h. Course data (N = Women, F = Men)

Class	Distance (m)	Climb (m)	Controls	Scale	Map size
<b>EC - Start</b>	1,000	80	-	-	-
<b>N10D</b>	1,830 / 3,420	55 / 120	6	1:10,000	A4
<b>N10DK</b>	1,830 / 3,420	55 / 120	6	1:10,000	A4
<b>N12D</b>	1,830 / 3,420	55 / 120	6	1:10,000	A4
<b>N12C</b>	1,930	60	6	1:10,000	A4
<b>N14E</b>	3,680	115	8	1:10,000	A4
<b>N15-18C</b>	2,740	85	8	1:10,000	A4
<b>N16E</b>	4,390	120	9	1:10,000	A4
<b>N18E</b>	5,420	160	15	1:10,000	A4
<b>N20E</b>	8,270	355	17	1:15,000	A4
<b>N21Br</b>	3,540	95	12	1:7,500	A4
<b>N21C</b>	3,450	105	7	1:10,000	A4
<b>W21E</b>	10,780	450	20	1:15,000	A4
<b>N35A</b>	5,700	195	16	1:10,000	A4
<b>N35Br</b>	3,340	90	11	1:7,500	A4
<b>N45A</b>	4,710	140	13	1:10,000	A4
<b>N45Br</b>	3,340	90	11	1:7,500	A4
<b>N50A</b>	4,710	140	13	1:10,000	A4
<b>N55A</b>	4,040	110	12	1:7,500	A4

<b>N60A</b>	3,500	105	12	1:7,500	A4
<b>N65A</b>	3,010	80	9	1:7,500	A4
<b>N70A</b>	2,330	80	7	1:7,500	A4
<b>Nyílt K</b>	3,520	100	9	1:10,000	A4
<b>Nyílt Sz</b>	1,830 / 3,420	55 / 120	6	1:10,000	A4
<b>Nyílt T</b>	4,900	150	16	1:10,000	A4
<b>F10D</b>	1,980 / 3,420	60 / 120	7	1:10,000	A4
<b>F10DK</b>	1,980 / 3,420	60 / 120	7	1:10,000	A4
<b>F12D</b>	1,980 / 3,420	60 / 120	7	1:10,000	A4
<b>F12C</b>	2,740	85	8	1:10,000	A4
<b>F14E</b>	4,740	140	11	1:10,000	A4
<b>F15-18C</b>	3,450	105	7	1:10,000	A4
<b>F16E</b>	7,230	280	15	1:10,000	A3
<b>F18E</b>	7,660	315	14	1:10,000	A3
<b>F20E</b>	10,780	450	20	1:15,000	A4
<b>F21Br</b>	5,830	180	17	1:10,000	A4
<b>F21C</b>	5,030	170	10	1:10,000	A4
<b>M21E</b>	13,880	540	22	1:15,000	A4
<b>F35A</b>	8,680	360	17	1:10,000	A3
<b>F35Br</b>	4,450	160	16	1:10,000	A4
<b>F45A</b>	7,390	310	18	1:10,000	A4
<b>F45Br</b>	3,540	90	12	1:7,500	A4
<b>F50A</b>	6,760	280	15	1:10,000	A4
<b>F55A</b>	6,180	250	15	1:10,000	A4
<b>F60A</b>	5,210	170	15	1:10,000	A4
<b>F65A</b>	4,530	140	13	1:7,500	A4
<b>F70A</b>	4,040	110	12	1:7,500	A4
<b>F75A</b>	3,010	80	9	1:7,500	A4
<b>F80A</b>	2,330	80	7	1:7,500	A4

#### i. Results, Livelox

On-line results can be found at

<https://liveresultat.orientering.se/followfull.php?comp=26214&lang=hu>

Total results available at: <http://live.mtfsz.hu/>

Courses and routes can be found at

<https://www.livelox.com/Events/Show/94439?qr=true>



## **16. Detailed competition information – 2x2 RELAY**

**Sunday, 28<sup>th</sup> May**

### **a. Start/Finish area**

Bükkzentkereszt Youth Camp, same as the finish area of the middle distance.

### **b. Mass start for all categories**

Sunday, 28<sup>th</sup> May, 16:00 (!)

### **c. Merged classes**

Due to the low number of entries there will only be a Mix short and a Mix long course.

M100, M30, W30 → Mix Short, M21 → Mix Long

W100 and W21 will not be staged as there were no entries.

### **d. Characteristics of the 2x2 relay competition**

- 2 competitors form a relay team. Both of them will run twice.
- The courses use farsta forking system.
- The first runner will run the 1<sup>st</sup> and the 3<sup>rd</sup> leg and the second runner will run the 2<sup>nd</sup> and the 4<sup>th</sup> leg. Overall, all teams will complete the same course.
- The spectators' control is located at a well visible spot inside the Youth Camp, at approx. 70% of each course.
- Courses are short but technically very challenging. Expected winning time is 15-20 minutes/course.
- Please submit the running order on-line as soon as possible, no later than 15:00 on the day of the relay.
- Maps of the finishing runners will be collected and returned after the competition.
- Mass start for those who have not started is at 17:30.

### **e. Maximal competition time**

A total of 180 minutes for the whole team.

### **f. Map**

Made in 2014 but has never been used, ever. Updated by Áron LESS between 9<sup>th</sup>-11<sup>th</sup> May, 2023. Specification: ISSprOM 2019-2. Printed on waterproof pretex paper, 120 g/m<sup>2</sup>, using digital technology. No covering plastic bag will be provided. Scale 1:4,000, contour interval 2.5 m, size A4.

### **g. Terrain**

Situated between 530-590 m a.s.l. around the Youth Camp. The northern part used to be a pasture and has exceptionally many contour features and vegetation objects. The

eastern part is less steep as the individual competition terrains but has all kinds of undergrowth, clearings and lots of contour features. There are some stones on the terrain but only one stone field. Visibility and runnability is generally moderate. Road network is dense.

#### h. Course data

Class	Distance (m)	Climb (m)	Controls
<b>Mix Hosszú (long)</b>	2,560	100-125	19-20
<b>Mix Rövid (short)</b>	1,770-1,900	80	14-16

Courses are technically challenging, not meant for competitors of “C” classes.

#### i. Start/finish layout (in Hungarian only)



Change-over takes place after the finish line. The finishing competitor must punch the finish SI unit then run further to his/her teammate. Change-over takes place by touching hands. After clear & check, outgoing runners must avoid the close proximity of the finish line as the finish SI unit may turn off the SIAC card. The finish area will be built in a way that outgoing runners will not get close to the finish SI unit by accident.

## 17. Detailed competition information – SPRINT

**Monday, 29<sup>th</sup> May. IOF World Ranking Event for the M/W21E course and selection race for the Hungarian National Team for the F/N 20E, 18E and 16E classes.**

### a. Event Center and parking

Miskolc-Lillafüred, GPS: [48.1025, 20.6236](https://www.google.com/maps/place/48.1025,20.6236). This location is the same as for the World University Orienteering Championships 2016 Sprint race. The entire village of Felsőhármor is embargoed. Parking is only permitted in Lillafüred using the following map (only available in Hungarian).



All three marked parking areas are subject to payment. Free parking according to the traffic rules is not available in Lillafüred. Those not using the official parking lots, risk a fine.

- **P1:** maximum of 80 cars, 440 HUF/hour or 2,000 HUF/day. Payment is due upon departure, exclusively by cash. Distance to the Event Center: 100-150 m. Opens at 07:00.
- **P2:** subject to fees between 08:00 and 18:00. 440 HUF/hour for a maximum of 3 hours. Can be restarted every 3 hours. A Hungarian mobile app is available for parking. The parking meter only accepts coins. Distance to the Event Center: 300-400 m.
- **P3:** 1,500 HUF/day, due upon arrival, exclusively by cash. Distance to the Event Center: 800 m, no climb.

**Once more we would like to point out that the entire village of Felsőhármor is off limits. Entering the village will result in disqualification.**

Clubs may set up own tents in the Event Centre.

#### **b. First start**

Monday, 29<sup>th</sup> May, **8:30 (!)**

#### **c. Start and finish, quarantine**

There is a mandatory forest train ride from the Event Centre to the Pre-start area (cca. 5 min) followed by 80 m on foot. Trains will run every 15 minutes between 7:45 and 10:00 a.m.

Start times will not be assigned to specific trains. Everyone can decide for him/herself which train to take to the Pre-start. Please let those with early starting time board first. We recommend taking a train 20-30 min before your start time. 3-3 minutes are allocated for boarding and getting off.

Clothes will be transported back from the Pre-start to the Finish area after the last start.

There will be a limited number of mobile restrooms provided at the Pre-start.

Distance from the Pre-start to the start: 500 m/ 0 m climb, follow the blue-white ribbons.

##### **Start procedure:**

- 8 min before starting: entering the Pre-Start
- 3 min before starting: check-in, clear & check
- 2 min before starting: loose control description, SIAC check
- 1 min before starting: taking the map but only the category may be checked, the course must not be studied
- 0 min: starting at the start line

The distance to the map start is 50 m.

Please play fair, do not take cell phones (mobile phones) to the Pre-Start and do not give information about the courses. Maps will not be collected upon finishing.

#### **d. Maximum running time**

60 minutes.

### e. Map

The map of WUOC 2016 sprint was updated by János SÜMEGI in May 2023. Specification: ISSprOM 2019-2. Printed on waterproof pretext paper, 120 g/m<sup>2</sup>, using digital technology. No covering plastic bag will be provided. The 2016 version can be found on-line.

Scale for F/N21Br (short), 35 and above and for Nyílt T (Open Advanced) is 1:3,000 / 2.5 m contour intervals, size A4

Scale for everyone else: 1:4,000 / 2.5 m contour intervals, size A4.

Some classes have a “map exchange” at one of the controls – please refer to the course data. There will be two maps printed on the same side of a sheet. The course starts on the upper map and continues on the lower map. The numbering of the controls is continuous. The second loop starts with a start triangle.

### f. Terrain

Two, mainly flat areas 290-350 m a.s.l. connected by the hanging gardens of Lillafüred. Vegetation is urban and park. Visibility is excellent, runnability is only limited by the stairs and the climb.

### g. Dangers, recommendations

Please keep in mind that...

- due to Pentecost Monday large pedestrian traffic is expected which will increase during the day
- in the village of Felsőhármor small car traffic can be expected. Courses may incorporate a route-choice leg along the Miskolc-Lillafüred-Eger main road which has a narrow sidewalk – usually with pedestrians. Look out!
- Running along and/or crossing the railway tracks is forbidden. It is also marked in the map using ISSprOM 509.1 plus 520. Crossing the railway is only possible through a tunnel under the railway station.
- There is a construction site in the hanging gardens fenced off in the terrain. We tried our best to draw the site the way it is expected to look like on the day of the competition. ISSprOM 714 was used.
- Due to the holidays, there can be vendors with tents or tables in the park next to the finish area. We tried to map them as well as possible on the weekend before the competition, still, there is a chance that...
  - there will not be a vendor on a place marked in the map
  - there will be a vendor on a place not marked in the map
- recommended equipment: terrain running shoes. Spiked shoes or shoes with metal studs are not recommended and not needed.

### h. Course data – distance measured on the shortest feasible route

Class	Distance	Climb	Controls	Map exchange	Class	Distance	Climb	Controls	Map exchange
N10D	1,150	55	11	-	F10D	1,150	55	11	-
N10DK					F10DK				
N12D					F12D				



<b>N12C</b>	1,460	60	14	-	<b>F12C</b>	1,460	60	14	-
<b>N14E</b>	2,090	70	17	-	<b>F14E</b>	2,410	85	18	Yes
<b>N15-18C</b>	1,460	60	14	-	<b>F15-18C</b>	1,690	60	17	-
<b>N16E</b>	2,410	85	18	Yes	<b>F16E</b>	2,700	95	22	Yes
<b>N18E</b>	2,640	100	21	Yes	<b>F18E</b>	3,050	105	24	Yes
<b>N20E</b>	2,640	100	21	Yes	<b>F20E</b>	3,050	105	24	Yes
<b>N21Br</b>	2,380	80	19	Yes	<b>F21Br</b>	2,640	100	21	Yes
<b>N21C</b>	1,690	60	17	-	<b>F21C</b>	2,110	60	19	-
<b>W21E</b>	2,640	100	21	Yes	<b>M21E</b>	3,050	105	24	Yes
<b>N35A</b>	2,620	100	21	Yes	<b>F35A</b>	2,970	105	24	Yes
<b>N35Br</b>	2,090	70	17	-	<b>F35Br</b>	2,410	85	18	Yes
<b>N45A</b>	2,380	80	19	Yes	<b>F45A</b>	2,800	105	23	Yes
<b>N45Br</b>	1,950	75	18	Yes	<b>F45Br</b>	2,090	70	17	-
<b>N50A</b>	2,060	80	21	Yes	<b>F50A</b>	2,640	100	21	Yes
<b>N55A</b>	1,950	75	18	Yes	<b>F55A</b>	2,440	100	20	Yes
<b>N60A</b>	1,610	55	15	-	<b>F60A</b>	2,380	80	19	Yes
<b>N65A</b>	1,610	55	15	-	<b>F65A</b>	2,060	80	21	Yes
<b>N70A</b>	1,430	55	15	-	<b>F70A</b>	1,950	75	18	Yes
				-	<b>F75A</b>	1,430	60	15	-
					<b>F80A</b>	1,430	60	15	-
<b>Nyílt K</b>	1,150	55	11	-					
<b>Nyílt Sz</b>	1,150	55	11	-	<b>Nyílt T</b>	2,440	100	20	Yes

## i. Results, LiveloX

On-line results can be found at

<https://liveresultat.orientering.se/followfull.php?comp=26215&lang=hu>

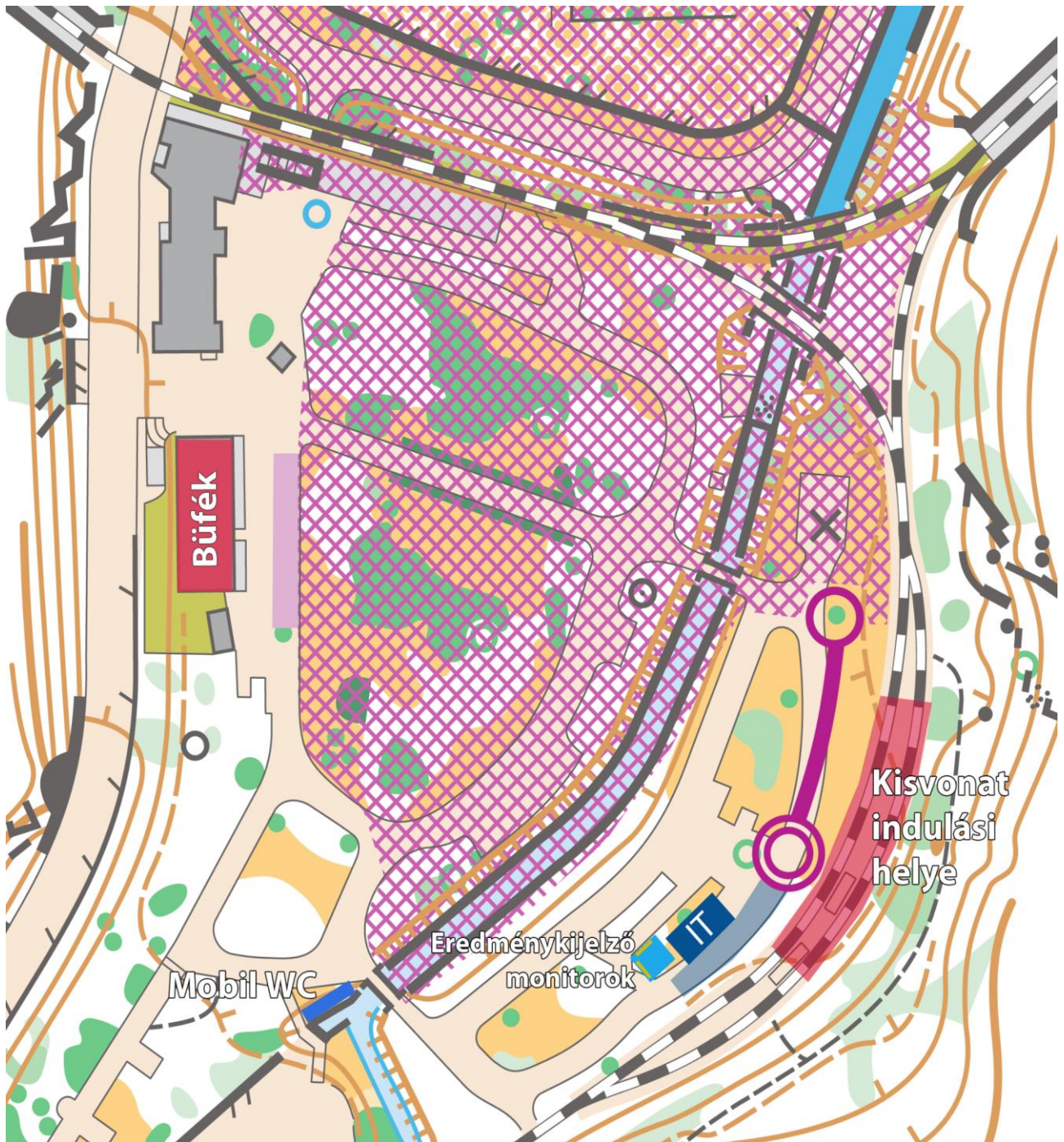
Total results available found at <http://live.mtfsz.hu/>

Courses and routes can be found at ...

<https://www.liveloX.com/Events/Show/94440?qr=true>



**j. Finish layout** (in Hungarian only)



**The organisers wish a successful competition to everyone!**