



# 21<sup>st</sup> IARU World ARDF Championships

August 27 – September 2, 2023  
Liberec, Czechia

Bulletin no. 3



*Dear sport and ARDF friends,*

*On behalf of the Czech Radio Club we would like to invite you all to the North Bohemia in the Czechia for the 21<sup>st</sup> IARU World ARDF Championships. North Bohemia is a very diverse region with many nature reserves and protected areas. Its regional capital and the Championships venue, Liberec, is surrounded by Jizera Mountains and Lusatian Mountains. We hope you will appreciate beautiful Bohemian forests as much as we do.*

*We would be also happy to see you all in the Training camp, held between August 24 and 26, 2023.*

*We are looking forward to meeting you in Liberec!*

Miroslav Vlach, OK1UMY  
Chairman of the organizing committee

**Organizer:**

IARU Region 1, Czech Radio Club (CRC)

**Competition office during all competitions:**

The Dormitory of Technical University of Liberec

Address: 17.listopadu 584, Liberec, Czechia

email: [info@ardf2023.cz](mailto:info@ardf2023.cz)

phone: + 420 728 192 716

web: <http://www.ardf2023.cz/>

**Event center and accommodation:**

The Dormitory of Technical University of Liberec

Address: 17.listopadu 584, Liberec, Czechia

Web: <https://koleje.tul.cz/>

The dormitory offers accommodation in apartments with 2-3 double rooms, kitchenette and a bathroom.

Meals will be provided from lunch or dinner on the arrival day (Sunday, August 27) until breakfast on the departure day (Saturday, September 2). It is necessary to choose your meals from menu and order them in advance through competition office.

### Transportation to the venue:

Liberec can be reached by car (highway D10 Praha – Turnov, use exit 71 to motorway E442 to Liberec), by train (Praha – Turnov, Turnov – Liberec), or by bus (Praha, Černý most – Liberec).

The transportation of participants from the Prague international airport (PRG) can be provided upon request. Such request shall be sent to organizers well in advance (together with entries), certainly not later than three weeks before event. Price will be 420 CZK per person for two ways.

### International Jury:

Chairman of the Jury	Lucien Vidal, F4DKA	REF	France
Referee at the start	Franci Žankar, S57CT	ZRS	Slovenia
Referee at the finish	Rusko Rusev, LZ1RT	BFRA	Bulgaria
Referees in competition area	Choi Hyeong Moon, HL4CFN	KARL	South Korea
	Jack Bramham, VK3WWW	WIA	Australia
	Igor Lazarev, US0VA	UARL	Ukraine
	Dragan Gacpar, YU3GD	SRS	Serbia
	Stipe Predanić, 9A5SP	HRS	Croatia
Siting referee	Michaela Bednaříková, OK2MWN	CRC	Czechia
Event and technical director	Miroslav Vlach, OK1UMY	CRC	Czechia
Secretary of the Jury	Tereza Skládanková	CRC	Czechia

Assistants to siting referee: Miroslav Vlach, Jan Michalec, Jiří Vlach

### Competition rules:

IARU Region 1 Rules for Championships in Amateur Radio Direction Finding (Part A and Part B), version 2020 (downloadable here: <https://www.iaru-r1.org/about-us/committees-and-working-groups/ardf/documents/ardf-rules/>)

Child protection policy:

[http://www.ardf-r1.org/files/ CPP/IARU Region 1 Child Protection Policy Feb2016.pdf](http://www.ardf-r1.org/files/_CPP/IARU_Region_1_Child_Protection_Policy_Feb2016.pdf)

### Detailed program of the training camp:

#### Thursday, August 24

from 14:00 Arrival

18.00-19.00 Dinner

#### Friday, August 25

7.00-8.00 Breakfast

9.00-16.00 Training for both classics

13.00-14.00 Lunch

18.00-19.00 Dinner

## **Saturday, August 26**

7.00-8.00 Breakfast  
9.00-13.00 Foxoring training  
13.00-14.00 Lunch  
14.00-16.00 Sprint training  
18.00-19.00 Dinner

## **Sunday, August 27**

7.00-8.00 Breakfast

Note: Accommodation will be arranged in the same facilities as for the Championships. All training competitions will be organized as self-serviced – transmitters will be operating in certain time range and every participant can start and finish by himself. There will be a SI system installed, no transportation will be organized.

## **Detailed program of the Championships 2023**

### **Sunday, August 27 – Arrival, opening ceremony**

12.00 Opening of the competition office  
12.00-14.30 Lunch  
15.30-17.00 Training for all competitions  
17.30-19.00 Dinner  
19.30 Opening ceremony  
20.00 Team officials' meeting

### **Monday, August 28 – 1<sup>st</sup> classics**

1<sup>st</sup> classics: 3,5 MHz (W19, W21, W35, M19, M21, M40)  
144 MHz (W45, W55, W65, M50, M60, M70)  
06.30-08.00 Breakfast, lunch package  
08.00 Departure of buses to starting area (competitors and officials)  
09.30 Departure of buses to finish area (officials and visitors)  
17.00 Team officials' meeting  
17.30-19.00 Dinner

### **Tuesday, August 29 – Sprint**

06.30-08.00 Breakfast  
08.00 Departure of buses to starting area (competitors and officials)  
09.30 Departure of buses to finish area (officials and visitors)  
13.00-15.00 Lunch  
17.00 Team officials' meeting  
17.30-19.00 Dinner  
19.30-21.00 Awarding ceremony (1<sup>st</sup> classics + sprint)

### **Wednesday, August 30 – The day off**

07.30-09.00 Breakfast  
12.00-14.00 Lunch  
17.00 Team officials' meeting (if necessary)  
17.30-19.00 Dinner

### **Thursday, August 31 – 2<sup>nd</sup> classics**

2<sup>nd</sup> classics: 144 MHz (W19, W21, W35, M19, M21, M40)  
3.5 MHz (W45, W55, W65, M50, M60, M70)

06.30-08.00 Breakfast, lunch package  
08.00 Departure of buses to starting area (competitors and officials)  
09.30 Departure of buses to finish area (officials and visitors)  
17.00 Team officials' meeting  
17.30-19.00 Dinner

### **Friday, September 1 – Foxoring**

06.30-08.00 Breakfast  
08.00 Departure of buses to starting area (competitors and officials)  
09.30 Departure of buses to finish area (officials and visitors)  
13.00-15.00 Lunch  
17.30-19.00 Dinner  
19.30-21.00 Awarding ceremony  
21.00-24.00 Closing ceremony

### **Saturday, September 2 – Departure**

07.30-09.00 Breakfast

### **Categories:**

According to the Rules (15.2): W19, M19, W21, M21, W35, M40, W45, M50, W55, M60, W65, M70

### **Ranking:**

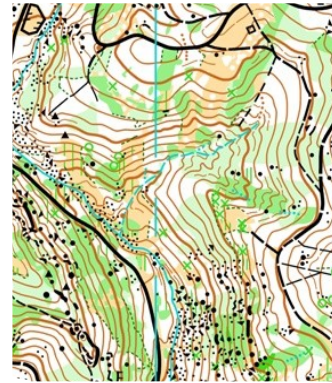
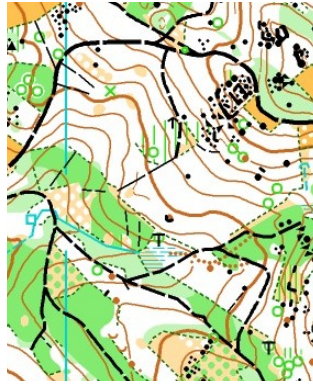
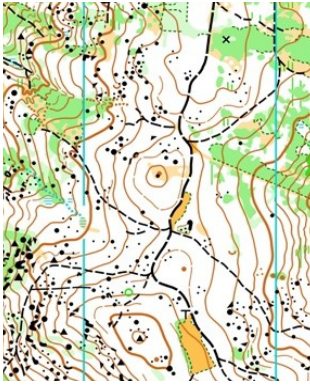
Individual for each category and each competition, team ranking for each category for the two classics. Competitors at 1.-3. places will be awarded with medals and certificates.

### **Maps and finish points:**

1 <sup>st</sup> classics	Maliník	1 : 10 000, E=5m, 42x30 cm
Sprint	Skalní brána	1 : 5 000 , E=5m, 20x29 cm
2 <sup>nd</sup> classics	Břízky	1 : 10 000 , E=5m, 30x29 cm
Foxoring	Bramberk	1 : 10 000 , E=5m, 33x28 cm

1 <sup>st</sup> classics	finish GPS: 50.7909253N, 15.1300094E
Sprint	finish GPS: 50.8922981N, 15.1085303E
2 <sup>nd</sup> classics	finish GPS: 50.7378783N, 15.1780961E
Foxoring	finish GPS: 50.7487411N, 15.2148317E

All maps are IOF standards, status: 2021, revised 2023.



### **Terrain characteristics, clothing, weather:**

Terrain is mountainous with many stones and rocks, low scrubs (mostly blueberries) and occasional waterlogged areas. There is alternating continuous forest.

### **Transmitters and antennas:**

#### **3.5 MHz transmitters for sprint (1 minute cycle - 12s:48s)**

- RF power 1 W
- antenna: 8 m vertical + 2m diameter circular counterpoise
- frequency: TX 1-5: MOE-MO5 keying speed 50 PARIS 3.53 MHz  
spectators control: S keying speed 50 PARIS 3.55 MHz  
TX 1F-5F: MOE-MO5 keying speed 70 PARIS 3.57 MHz  
finish beacon: MO keying speed 50 PARIS 3.60 MHz

#### **3.5 MHz transmitters (classics)**

- RF power 3 W
- frequency: TX 1-5: MOE-MO5 3.53 MHz, finish beacon: MO 3.60 MHz
- antenna: 8 m vertical + 8 m single radial counterpoise

#### **144 MHz transmitters (classics)**

- RF power 1 W ERP
- frequency: TX 1-5: MOE-MO5 144.50 MHz, finish beacon: MO 144.85 MHz
- antenna: crossed dipoles 2.5 m above ground level

#### **3.5 MHz transmitters for foxoring (continuous)**

- RF power 10 mW, beacon: 1 W
- antenna: field transmitters 30 cm vertical + no counterpoise,  
finish beacon 8 m vertical + 8 m single radial counterpoise
- frequency: TX 1, 2, 1F, 2F MOE, MOI 3.53 MHz  
TX 3, 4, 3F, 4F MOS, MOH 3.55 MHz  
TX 5, 5F MO5 3.57 MHz  
finish beacon MO 3.60 MHz
- TX 1-5, finish beacon: keying speed 50 PARIS, TX 1F-5F: keying speed 70 PARIS

**Flags:**

- 3.5 MHz band: standard 30x30 cm 3-sided white and orange flag at all controls
- 144 MHz band: 30x30 cm 3-sided white and orange flag with a blue vertical stripe at all controls
- Sprint: 30x30 cm 3-sided white and orange flag at S (spectator) and B (beacon) controls, red/white striped SI stand (no flag) at all other controls.
- Foxoring: 30x30 cm 3-sided white and orange flag at B (beacon) control, no flag and black SI stand at all other controls.

**Registering devices:** SportIdent at all controls (NOT in the AIR mode), control numbers and bands are written on the SI units.

**Note on use of GPS devices:** The use of satellite positioning devices is allowed provided they do not contain digital map of the terrain.

**Note on thunderstorm:** In a case of a severe thunderstorm, the Chairman of the Jury may recall the competition (27.5 of the Rules)—in such case, it will be announced to competitors by switching off all the transmitters with an exception of the beacon and TX No. 1 (MOE, not necessarily the one placed in terrain) which both remain operating continuously. The competitors shall set for the finish immediately.

**Insurance and Medical Care:** First aid facility will be available at the finish areas for all competitions. No cost to the participant applies for on-site minor treatment; however, the cost for ambulance transportation, emergency department visits, and clinic visits will be the participant's responsibility. Thus, we recommend you to purchase an insurance covering such expenses.

**Fees:****Entry fee World Championships**

Competitors: **1800 CZK** per competition, whole event **7200 CZK**

(registration, transport to start and from finish, souvenirs, banquet etc.)

We will accept the payment of the starting fee in an amount equal to 75 EUR exchanged to CZK according to the exchange rates at the time of the payment.

Team officials: **1000 CZK** per competition, whole event **4000 CZK**

(registration, transport to start and from finish, souvenirs, banquet etc.)

Visitors: **200 CZK** per competition, whole event **800 CZK**

(transport to finish and back)

Separate Hamfest fee: **750 CZK**

It is **NOT** allowed to use your own transportation to start of any World Championships competition.

**Entry fee Training camp** (competitors and team officials)

**750 CZK** per competition, whole event **3000 CZK**  
- registration, starting fee

**Accommodation and Board:** 1000 CZK per person and day

World Championships           6000 CZK

Training camp                   3000 CZK

Both events                      9000 CZK

Number of team officials per team is not limited.

Current exchange rate is 1 EUR to 23.5 CZK, for more detailed information see:

<https://www.cnb.cz/en/financial-markets/foreign-exchange-market/central-bank-exchange-rate-fixing/central-bank-exchange-rate-fixing/>

**Deadlines:**

**- Letter of intent:       April 30, 2023**

Letter of intent (attached below) should be sent by email to [info@ardf2023.cz](mailto:info@ardf2023.cz) Letters of intent received after the deadline will not be accepted.

**- List of participants and fee payment:       July 31, 2023**

Increasing of the costs due to later payment will not be requested by the organizer. If some team has problem with payment in time due to lack of funds, it is possible (exceptionally and AFTER AGREEMENT) to pay later. If all payments are not fully paid by the day of registration (August 27, 2023), participant(s) will not be allowed to start and services for them will not be provided.

**Payment:**

Wire transfer to the account:

Beneficiary: Asociace rádiového orientačního běhu ČR z.s.

Beneficiary Address: Zátokova 100/2, 160 17 Praha 6

Bank: MONETA Money Bank a.s.

BIC: AGBACZPP

IBAN: CZ68 0600 0000 0001 5498 8883

Account: 154988883 (bank code 0600)

Bank address: MMB a.s., Vítězné náměstí 577/2, 160 00 Praha 6, Czechia.

Transfers shall be carried in CZK. It is your obligation to pay all the bank fees. Therefore, you should set the "code for transfer" to "OUR" in your transfer form.

**Summary of entries received for the World Championships:**

	<b>Country</b>	<b>Abb.</b>	<b>Competitors</b>	<b>Other</b>	<b>Total</b>
1	Australia	WIA	4	1	5
2	Austria	OeVSV	1	1	2
3	Belgium	UBA	1	1	2
4	Bulgaria	BFRA	19	1	20
5	Canada	RAC	2	0	2
6	Croatia	HRS	6	0	6
7	Czechia	CRC	46	3	49
8	Estonia	EST	4	0	4
9	Finland	SRAL	10	0	10
10	Germany	DARC	25	5	30
11	Hungary	MRASZ	16	2	18
12	China	CRAC	14	6	20
13	Japan	JARL	16	3	19
14	Kazachstan	KAZ	1	0	1
15	Lithuania	LRMD	10	2	12
16	Moldova	ARM	6	2	8
17	Mongolia	MRSF	6	4	10
18	Norway	NRRL	2	0	2
19	Poland	PZK	15	2	17
20	Republic of Korea	KARL	16	11	27
21	Romania	FRR	15	2	17
22	Slovakia	SARA	8	1	9
23	Slovenia	ZRS	12	2	14
24	Sweden	SSA	16	0	16
25	Switzerland	USKA	2	0	2
26	the Netherlands	VERON	4	0	4
27	UK	RSGB	4	0	4
28	Ukraine	UARL	40	4	44
29	USA	ARRL	19	6	25
	<b>Total</b>		<b>340</b>	<b>57</b>	<b>397</b>



Partners and sponsors:

