

24th IARU REGION 1 / EUROPEAN ARDF Championship 2024

(together with ARDF World Cup Black Sea 2024)

Primorsko, Bulgaria

Bulletin 4

22 August 2024



Dear ARDF friends,

Please find below the final details about the events planned to take place in August – September 2024 in Primorsko, Bulgaria.

1. Transfers to Primorsko

BFRA will organize transfers from Burgas Airport and Varna Airport to Primorsko. The prices are as follows:

Burgas Airport - Primorsko (one way):

- car with up to 4 people - BGN 90 (EUR 46)
- bus up to 6 people - BGN 120 (EUR 62)
- bus up to 8 people - BGN 170 (EUR 87)

Varna Airport - Primorsko (one way):

- car with up to 4 people - BGN 250 (EUR 128)

Please confirm **as soon as possible** to iz3nn@abv.bg that you agree with the price and let us know the number of persons, the date and the local time (UTC+3) when the car/bus should be in front of the airport exit

Payment directly to the driver (in BGN or EUR) upon arrival in Primorsko, Forest Beach hotel. We may subsequently issue you an invoice for the transport.

2. Detailed daily program of events

ARDF World Cup Black Sea 2024

28 August, Wednesday – arrival till 14:00, accommodation, Sprint (in late afternoon)

15:00 – 15:30 testing the equipment

16:00 walking to the start

17:00 first start

19:30 – 21:00 dinner

29 August, Thursday – Classic 1 (all categories 144 MHz)

07:30 – 08:00 breakfast

08:00 bus to the start

09:30 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Sprint and Classic 1

19:00 – 21:00 dinner

30 August, Friday – Classic 2 (all categories 144 MHz)

07:30 – 08:00 breakfast

08:00 bus to the start

09:30 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Classic 2

19:00 – 21:00 dinner

31 August, Saturday – Foxoring

07:30 – 08:00 breakfast

08:00 bus to the start

09:30 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Foxoring

19:00 – 21:00 dinner

1 September, Sunday – departure / free day

07:30 – 09:00 breakfast

12:30 – 14:30 lunch

IARU R1 / European ARDF Championships

1 September, Sunday

The whole day arrival for IARU R1 / European Championships and accommodation

15:30 – 17:30 testing the equipment both Classics, Sprint, Foxoring

18:30 official opening

19:00 – 21:00 dinner

21:00 team leaders meeting

21:00 Jury meeting

2 September, Monday – Sprint

07:30 – 08:00 breakfast

08:00 bus to the start

09:30 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Sprint

19:00 – 21:00 dinner

21:00 team leaders meeting (if necessary)

3 September, Tuesday – Classic 1

07:30 – 08:00 breakfast

08:00 bus to the start

09:00 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Classic 1

19:00 – 21:00 dinner

4 September, Wednesday – rest day

07:30 – 09:00 breakfast

13:00 – 14:30 lunch

17:30 – 19:00 ARDF Working Group meeting

19:00 – 21:00 dinner

21:00 team leaders meeting (if necessary)

5 September, Thursday – Classic 2

07:30 – 08:00 breakfast

08:00 bus to the start

09:00 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Classic 2

19:00 – 21:00 dinner

6 September, Friday – Foxoring

07:30 – 08:00 breakfast

08:00 bus to the start

09:30 first start

13:00 – 14:30 lunch

18:00 – 19:00 awarding Foxoring, Closing ceremony

19:30 – 23:00 hamfest (including dinner)

7 September, Saturday – departure

07:30 – 09:00 breakfast

Until 12:00 departure

3. Information about each competition

ARDF World Cup Black Sea 2024

SPRINT – 28 August 2024

FIRST START: 17:00

TIME LIMIT: 60 min

ONE COMMON START CORRIDOR

TX 1 5 - 3.53 MHz

Spectator (S) - 3.55 MHz

TX 1F.....5F - 3.57 MHz

Beacon - 3.60 MHz

M19: 1, 2, 3, 4, S, 1F, 2F, 3F, 5F, B

M21: 1, 2, 3, 4, 5, S, 1F, 2F, 3F, 4F, 5F, B

M40: 1, 2, 4, 5, S, 1F, 3F, 4F, 5F, B

M50: 1, 2, 3, 5, S, 1F, 2F, 3F, 4F, B

M60: 1, 3, 4, 5, S, 2F, 3F, 4F, 5F, B

M70: 1, 2, 5, S, 2F, 4F, 5F, B

W19: 1, 2, 4, 5, S, 1F, 2F, 3F, 5F, B

W21: 1, 3, 4, 5, S, 1F, 2F, 4F, 5F, B

W35: 1, 2, 4, S, 1F, 2F, 4F, B

W45: 1, 2, 5, S, 1F, 4F, 5F, B

W55: 3, 4, 5, S, 2F, 4F, 5F, B

W65: 2, 3, 5, S, 2F, 3F, B

Length of the finish corridor 50 m

CLASSIC 1 – All Categories 144 MHz – 29 August 2024

FIRST START: 09:30

TIME LIMIT: 130 min

TWO START CORRIDORS – MEN AND WOMEN

TX1 ... TX5 - 144.500 MHz

Beacon - 144.900 MHz

M19: 1, 3, 4, 5, B

M21: 1, 2, 3, 4, 5, B

M40: 1, 2, 3, 4, B

M50: 1, 2, 4, 5, B

M60: 1, 2, 3, 5, B

M70: 2, 4, 5, B

W19: 2, 3, 4, 5, B

W21: 2, 3, 4, 5, B

W35: 2, 3, 4, 5, B

W45: 2, 3, 5, B

W55: 2, 3, 5, B

W65: 2, 3, 5, B

Length of the finish corridor 50 m

CLASSIC 2 – All Categories 3.5 MHz – 30 August 2024

FIRST START: 09:30

TIME LIMIT: 130 min

TWO START CORRIDORS – MEN AND WOMEN

TX1 ... TX5 - 3.55 MHz

Beacon - 3.60 MHz

M19: 2, 3, 4, 5, B

M21: 1, 2, 3, 4, 5, B

M40: 2, 3, 4, 5, B

M50: 1, 2, 3, 5, B

M60: 2, 3, 5, B

M70: 2, 3, 4, B

W19: 1, 2, 4, 5, B

W21: 2, 3, 4, 5, B

W35: 1, 2, 4, 5, B

W45: 1, 3, 4, 5, B

W55: 1, 3, 4, B

W65: 1, 3, 4, B

Length of the finish corridor 50 m

FOXORING – 31 August 2024

FIRST START: 09:30

TIME LIMIT: 120 min

ONE COMMON START CORRIDOR

TX1, 1F, 2, 2F - 3.53 MHz

TX3, 3F, 4, 4F - 3.55 MHz

TX5, 5F - 3.57 MHz

Beacon - 3.60 MHz

M19: 1, 2, 3, 4, 5, 1F, 3F, 5F, B

M21: 1, 2, 3, 4, 5, 1F, 2F, 3F, 4F, 5F, B

M40: 1, 2, 5, 1F, 2F, 3F, 5F, B

M50: 1, 2, 3, 5, 1F, 4F, 5F, B

M60: 2, 3, 4, 5, 1F, 2F, 4F, B

M70: 2, 3, 4, 1F, 2F, 4F, B

W19: 1, 2, 3, 4, 1F, 2F, 3F, 4F, B

W21: 2, 3, 4, 5, 1F, 2F, 3F, B

W35: 1, 2, 3, 4, 1F, 2F, B

W45: 2, 3, 4, 1F, 2F, 5F, B

W55: 2, 3, 4, 1F, 2F, B

W65: 3, 4, 1F, 2F, B

Length of the finish corridor 100 m

Relevant information will also be placed every day on a special board in the starting area.

IARU Region 1/European ARDF Championships

SPRINT – 02 September 2024

FIRST START: 09:30

TIME LIMIT: 60 min

ONE CORRIDOR

TX 1 5 - 3.53 MHz

Spectator (S) - 3.55 MHz

TX 1F.....5F - 3.57 MHz

Beacon - 3.60 MHz

M19: 1, 2, 3, 5, S, 1F, 2F, 3F, 4F, B

M21: 1, 2, 3, 4, 5, S, 1F, 2F, 3F, 4F, 5F, B

M40: 1, 2, 5, S, 1F, 2F, 3F, 4F, 5F, B

M50: 1, 2, 3, 5, S, 2F, 3F, 4F, B

M60: 3, 4, 5, 1F, 2F, 4F, B

M70: 1, 4, 5, S, 1F 2F, B

W19: 1, 2, 3, 4, S, 2F, 4F, 5F, B

W21: 2, 3, 5, S, 1F, 2F, 3F, 5F, B

W35: 1, 2, 3, S, 1F, 2F, 3F, 4F, B

W45: 2, 3, 4, S, 1F, 2F, 3F, 5F, B

W55: 1, 3, 4, B, 2F, 3F, 5F, B

W65: 1, 2, 4, S, 1F, 2F, 5F, B

Length of the finish corridor 80 m

CLASSIC 1 – 03 September 2024

FIRST START: 09:00

TIME LIMIT: 130 min

CORRIDOR A: M19, M40, W21, M50, W35, W45

CORRIDOR B: M21, W19, M60, M70, W55, W65

144 MHz: M50, M60, M70, W35, W45, W55, W65

TX1 ... TX5 - 144.500 MHz

Beacon - 144.900 MHz

M50: 1, 2, 3, 4, 5, B

M60: 1, 2, 4, 5, B

M70: 1, 2, 5, B

W35: 1, 3, 4, 5, B

W45: 1, 2, 3, 4, B

W55: 3, 4, 5, B

W65: 1, 3, 5, B

3.5 MHz: M19, M21, M40, W19, W21

TX1 ... TX5 - 3.55 MHz

Beacon - 3.60 MHz

M19: 2, 3, 4, 5, B

M21: 1, 2, 3, 4, 5 B

M40: 1, 2, 4, 5, B

W19: 1, 2, 3, 5, B

W21: 1, 3, 4, 5, B

Length of the finish corridor 50 m

CLASSIC 2 – 5 September 2024

FIRST START: 09:00

TIME LIMIT: 130 min

CORRIDOR A: M19, M40, W21, M50, W35, W45

CORRIDOR B: M21, W19, M60, M70, W55, W65

144 MHz: M19, M21, M40, W19, W21

TX1 ... TX5 - 144.500 MHz

Beacon - 144.900 MHz

M19: 2, 3, 4, 5, B

M21: 1, 2, 3, 4, 5, B

M40: 1, 2, 3, 4, B

W19: 1, 3, 4, 5, B

W21: 1, 2, 3, 5, B

3.5 MHz: M50, M60, M70, W35, W45, W55, W65

TX1 ... TX5 - 3.55 MHz

Beacon - 3.60 MHz

M50: 1, 2, 3, 4, 5, B

M60: 2, 3, 4, 5, B

M70: 1, 2, 3, 5, B

W35: 2, 3, 4, 5, B

W45: 1, 2, 3, 5, B

W55: 1, 2, 5, B

W65: 1, 2, 3, B

Length of the finish corridor 50 m

FOXORING – 5 September 2024

FIRST START: 09:30

TIME LIMIT: 120 min

CORRIDOR A: M19, M40, W21, M50, W35, W45

CORRIDOR B: M21, W19, M60, M70, W55, W65

TX1, 1F, 2, 2F - 3.53 MHz
TX3, 3F, 4, 4F - 3.55 MHz
TX5, 5F - 3.57 MHz
Beacon - 3.60 MHz

M19: 1, 2, 4, 5, 2F, 3F, 4F, 5F, B
M21: 1, 2, 3, 4, 5, 1F, 2F, 3F, 4F, 5F, B
M40: 3, 4, 5, 1F, 2F, 3F, 4F, 5F, B
M50: 2, 3, 4, 5, 1F, 2F, 4F, 5F, B
M60: 1, 3, 4, 1F, 2F, 4F, 5F, B
M70: 2, 5, 1F, 4F, 5F, B
W19: 2, 3, 5, 1F, 2F, 4F, 5F, B
W21: 1, 2, 3, 4, 5, 1F, 2F, 4F, B
W35: 1, 2, 3, 4, 5, 1F, 4F, 5F, B
W45: 1, 3, 4, 5, 1F, 4F, 5F, B
W55: 1, 3, 1F, 4F, 5F, B
W65: 1, 2, 3, 1F 5F, B

Length of the finish corridor 80 m

Relevant information will also be placed every day on a special board in the starting area.

4. Team leaders meeting:

1 September, 20:30

Each team leader must submit fulfilled the table bellow of the allocation of their competitors into 3 start groups (early, middle, late) for each category, separately for Classic 1 and Classic 2. This information is required when there are 2 or 3 competitors in the respective group.

Country:						
Category	Classic 1 – 3 September - names			Classic 2 – 5 September - names		
	early	middle	late	early	middle	late
M19						
M21						
M40						
M50						
M60						
M70						
W19						
W21						
W35						
W45						
W55						
W65						

5. Expected weather in Primorsko:

<https://www.weather-forecast.com/locations/Primorsko/forecasts/latest>

6. Final words

There are still teams that have not submitted *Application Form*, teams that have not informed the hosts about the transport with which they arrive and whether they need a transfer to Primorsko. We kindly ask all of them to do what is necessary as soon as possible. Send your mails to lz3nn@abv.bg

We are looking forward to meeting you in Primorsko!

Bulgarian Federation of Radio Amateurs

Supplement

We are attaching bellow the highlights from previous Bulletins for easy reference. You can print them out to have it at hand at any time.

All Inclusive

The conditions for ALL INCLUSIVE include:

- three meals a day + intermediate meals by request;
- free Bulgarian non-alcoholic and alcoholic drinks in the bars on the territory of the complex from 09:00 to 23:00;
- umbrella and sunbed at the designated places on the beach (until they run out).

Details are described on the hotel website <https://forestbeach.bg/bg>.

Fees

BFRA accepts the starting fees approved by the ARDF Working Group, specified below.

During 24th IARU Region 1 / European ARDF Championship (1 - 7 September 2024)

Accommodation in Forest Beach Hotel****		If paid before 20 June (in EUR)	If paid after 20 June (in EUR)
Starting fees for the whole event (4 starts), include transportations to start/from finish	Competitors only	300	320
Starting fee per person per competition, includes transportation to start/from finish	Competitors only	75	80
Transport cost to finish and back per person for the whole event (4 starts)	Team officials, Guests/Visitors	32	40
Transport cost to the finish and back per person per day	Team officials, Guests/Visitors	8	10
Two people in STUDIO, All-inclusive, per person per day	All participants	57	65
Three people in STUDIO, All-inclusive, per person per day	All participants	53	58
Single person in double room, All inclusive, per day	All participants (competitors – if available)	75	80
Extra days before and after Championship, two people in STUDIO, All-inclusive, per person	All participants	57	65

per day			
Extra days before and after Championship, three people in STUDIO, All-inclusive, per person per day	All participants	53	58
Extra days before and after Championship, single person in double room, All inclusive, per day	All participants	75	80

Several examples, payment **before 20 June**:

Accommodation and starting fees for **competitor** in STUDIO for double accommodation for 6 days and 4 starts – 642 EUR

Accommodation and starting fees for **competitor** in STUDIO for triple accommodation for 6 days – 618 EUR

Accommodation and transport cost for **team officials guests/visitors** in STUDIO for double accommodation for 6 days and 4 competition days – 374 EUR

Accommodation and transport cost for **team officials guests/visitors** in STUDIO for triple accommodation for 6 days and 4 competition days – 350 EUR

Accommodation and transport cost for **team officials, guests/visitors** for single accommodation for 6 days and 4 competition days – 482 EUR

Several examples, payment **after 20 June**:

Accommodation and starting fees for **competitor** in STUDIO for double accommodation for 6 days and 4 starts – 710 EUR

Accommodation and starting fees for **competitor** in STUDIO for triple accommodation for 6 days – 668 EUR

Accommodation and transport cost for **team officials guests/visitors** in STUDIO for double accommodation for 6 days and 4 competition days – 430 EUR

Accommodation and transport cost for **team officials guests/visitors** in STUDIO for triple accommodation for 6 days and 4 competition days – 388 EUR

Accommodation and transport cost for **team officials, guests/visitors** for single accommodation for 6 days and 4 competition days – 520 EUR

Important: Due to the limited available rooms / studios, **self-accommodation** is available **upon prior request and availability**. The fees are listed below.

Self-accommodation		If paid before 20 June (in EUR)	If paid after 20 June (in EUR)
Starting fees for the whole event (4 starts), include transportations to start/from finish	Competitors	300	320
Starting fee per competition, includes transportation to start/from finish	Competitors	75	80
Transport cost to finish and back per person for the whole event (4 starts)	Team officials, Guests/Visitors	32	40
Transport cost to the finish and	Team officials,	8	10

back per person per day	Guests/Visitors		
Banquet / Hamfest	All participants	20	20

During with ARDF WORLD Cup Black sea 2024 (28 August- 1 September 2024)

Accommodation in Forest Beach Hotel****		If paid before 20 June (in EUR)	If paid after 20 June (in EUR)
Two people in STUDIO, All-inclusive, per person per day	All participants	57	65
Three people in STUDIO, All-inclusive, per person per day	All participants	53	58
Extra day before and after competitions, two people in STUDIO, All-inclusive, per day per person	All participants	57	65
Extra day before and after competitions three people in STUDIO, All-inclusive, per day per person	All participants	53	58
Starting fee per start	Competitors	12	15
Transport cost to the finish and back per person per day	Team officials, Guests/Visitors	5	8

Self-accommodation		If paid before 20 June (in EUR)	If paid after 20 June (in EUR)
Starting fee per start	Competitors	12	15
Transport cost to the finish and back per person per day	Team officials, Guests/Visitors	5	8

IMPORTANT: The payments must be made to the BFRA account:

Bank: United Bulgarian Bank

Account: BG81UBBS80021413582613 (in EUR)

BIC: UBBSBGSF

Beneficiary: Bulgarian Federation of Radio Amateurs

Transmitters and antennas:

Frequency allocations for 3.5 MHz competitions:

frequency/competition	classic	sprint	foxoring
3530 kHz		TX 1...5	TX 1, 1F, 2, 2F
3550 kHz	TX 1...5	Spectator (S)	TX 3, 3F, 4, 4F
3570 kHz		TX 1F ... 5F	TX 5, 5F
3600 kHz	Beacon	Beacon	Beacon

Frequency allocations for 144 MHz competition:

144.500 MHz TX 1...5

144.900 MHz Beacon

Output RF Powers:

3.5 MHz Classic TX 1...5 and Beacon 5 W;
3.5 MHz Foxoring 10 mW;
3.5 MHz Sprint 1W;

144 MHz TX 1...5 and Beacon 1 W.

Antennas:

3.5 MHz Classic and Sprint – 6 m vertical and 3 counterpoises each 2.5 m;
3.5 MHz Foxoring vertical 30 cm;

144 MHz – Crossed Dipole, horizontal, 2.5 m above the terrain.

Description of the marking devices:


SportIdent classic system will be used.

Forbidden areas:

Starting from 1 May 2024 the following areas are declared forbidden for visits:

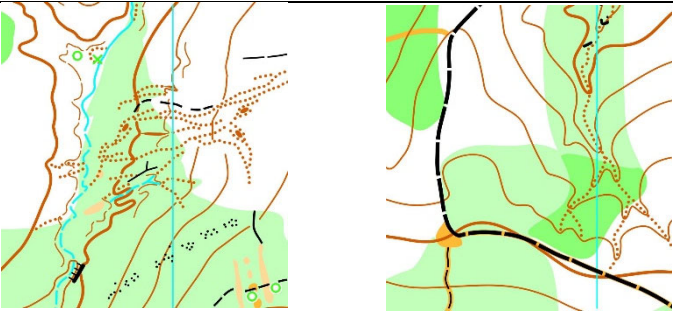
<https://www.google.com/maps/d/edit?mid=1qsl7ql8xt525tP7pZq6SXPwWu44kRGI&usp=sharing>

Details of the terrains for 24th IARU Region 1 / European ARDF Championship SPRINT

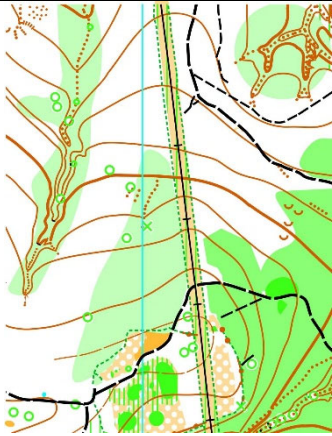
Terrain form	Flat to moderately steep terrain.
Vegetation	Coniferous forest
Runability and visibility	Mostly excelent, but reduced in some places with denser vegetation.
Roads and paths	Good network of paths and roads.
	

CLASSICS

Terrain form	Moderately steep terrain.
Vegetation	Coniferous forest.

Runability and visibility	Various vegetation – from forest with excellent runnability to impassable forest.
Roads and paths	Good network of paths and roads
	

FOXORING

Terrain form	Moderately hilly terrain.
Vegetation	Coniferous forest. Some open and semi open lands.
Runability and visibility	Various vegetation – from forest with excellent runnability to impassable forest.
Roads and paths	Good network of paths and roads
	

5. Size of the maps (not the paper on which it is printed), scales and vertical contour intervals of the maps for each competition.

ARDF WORLD CUP BLACK SEA 2024:

Sprint: 1:4 000, h=2 m, Landscape, 27 cm x 20 cm;

Classic 1 - 1:10 000, h=5m, Landscape, 41 cm x 29 cm;

Classic 2 - 1:10 000, h=5m, Portrait , 28 cm x 20 cm;

Foxoring 1:10 000, h=5m, Portrait, 20 cm x 28 cm.

24th IARU REGION 1 / EUROPEAN ARDF Championship

Sprint: 1:4 000, h=5 m, Portrait, 27 cm x 20 cm;

Classic 1 - 1:10 000, h=5m, Landscape, 28 cm x 20 cm;

Classic 2 - 1:10 000, h=5m, Landscape, 28 cm x 20 cm;

Foxoring - 1:10 000, h=5m, Portrait, 20 cm x 28 cm.

The exact location of the finish point of each competition

ARDF WORLD CUP BLACK SEA 2024:

Sprint: [42.245001 N, 27.754574 E](#)

Classic 1: [42.260777 N, 27.715557 E](#)

Classic 2: [42.273321 N, 27.607973 E](#)

Foxoring: [42.217347 N, 27.675163 E](#)

24th IARU REGION 1 / EUROPEAN ARDF Championship

Location of the finish points:

Sprint: [42.288875 N, 27.751454 E](#)

Classic 1: [42.238184 N, 27.725666 E](#)

Classic 2: [42.236328 N, 27.717901 E](#)

Foxoring: [42.291947 N, 27.619741 E](#)

Address, phone number and e-mail address of the competition office

Competition office during all competitions:

Primorsko, Hotel Forest Beach

Phone number: +359 889 318 297 (Viktor Tsenkov, LZ3NN);

E-mail address: lz3nn@abv.bg

Internet site of the Championships

www.ardf2024.eu