**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 lz3nn@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.

1. **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:** М21, 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:** М21, 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:** М21, 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*](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 before20 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 per day | All participants | 57 | 65 |
| 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 before20 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 back per person per day | Team officials, Guests/Visitors | 8 | 10 |
| 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 before20 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 before20 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=1gsl7ql8xt525tP7pzq6SXPwWu44kRGI&usp=sharing***](https://www.google.com/maps/d/edit?mid=1gsl7ql8xt525tP7pzq6SXPwWu44kRGI&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 сm 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 сm 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](http://www.ardf2024.eu)