

**AMATEUR  
RADIO UNION  
OF SERBIA**



**INTERNATIONAL  
AMATEUR  
RADIO UNION**

**International Amateur Radio Union (IARU)**  
Amateur Radio Union of Serbia (SRS)

## **16th World Amateur Radio Direction Finding Championships**

10-15 September 2012  
Kopaonik, Serbia

**Bulletin No 2**  
(15 April 2012)

To all IARU Societies

Dear ARDF friends,

The Amateur Radio Union of Serbia (SRS), the hosting Society of the 16th IARU WORLD ARDF Championships 2012, has the honour and the pleasure of inviting you and your members to visit our country and participate at this Championships.

We take this opportunity to invite not only your competitors but also your radio amateurs and fans of this radio sport as well. They will have a chance to enjoy the unique natural beauty of Serbia and also our hospitality.

SRS is proud to host this event and the 1st WORLD Foxoring and Sprint ARDF Championships.

The second ARDF WCH for the blind and the World Cup, which will take place during training camp, will make this event a real festival of ARDF.

Amateur Radio Union of Serbia (SRS)

## Venue:

### Kopaonik, a famous ski resort

- ⤴ Kopaonik is located 290km from the capital city Belgrade, and is one of the most popular tourist destinations in Serbia.
- ⤴ The unique climate and the endless possibilities for sport and recreation make Kopaonik an ideal place for active holidays and also empathy with the natural world.
- ⤴ Kopaonik is also called the “mountain of the sun“ by virtue of nearly 200 sunny days per year.
- ⤴ Due to its natural beauty Kopaonik was designated a National park in 1981.

## Transportation to the venue:

- Nikola Tesla International airport (Belgrade), is located 290 km from the resort of Kopaonik (3,5 hours by car). A large number of airlines have direct flights from the major European capitals to the capital Belgrade.

## Accommodation:

The accommodation will be provided in hotels at the MK Mountain Resort.

The accommodation available includes the Grand Hotel & Spa\*\*\*\*, the Family Hotel Angella\*\*\*\* and the Konaci apartments.

Double and triple rooms with WC, bath, Wi-Fi and TV are available.

Complimentary use of Grand Oaza Spa, Wellness centre etc.



## Programme for the Championships:

- ⤴ 10 September, Monday – Arrival, accommodation
- ⤴ 11 September, Tuesday – Training on both bands, competition for blind people, official opening.
- ⤴ 12 September, Wednesday – Classic ARDF First competition (80m and 2m), awarding ceremony, official meetings
- ⤴ 13 September, Thursday – Sprint WCH \*, awarding ceremony\*\*, picnic, official meetings
- ⤴ 14 September, Friday – Classic ARDF Second competition (80m and 2m), awarding, closing ceremony and HAMFEST (banquet)
- ⤴ 15 September, Saturday –Departure, extra day for Foxoring participants - Foxoring WCH\*, awarding ceremony\*\*
- ⤴ 16 September, Sunday – Departure for Foxoring participants

\* individual ranking only;

\*\*medals and certificates;

More details:

<http://ardf2012.org/championships/event-centre.html>

## Registration fee and terms of payment:

Available packages (all prices are in Euros):

	Competitors & team officials		Guests / visitors	
	if paid before 1 July	if paid after 30 June	if paid before 1 July	if paid after 30 June
1) ARDF WCH 5 days	330	360	230	250
2) Extra Foxoring day	55			

3) ARDF WCH for the blind 2 days	100
4) ARDF WCH for the blind 5 days	200

5) World Cup 5 days	200
World Cup 3 days	150

A more detailed description of each package can be found in the [appendix 1](#)

- 1) Total package for competitors and Team officials  
- this includes: accommodation, transportation to the start and from the finish, maps, souvenirs, picnic and banquet.
- 2) This package cannot be used alone.  
- this includes: accommodation, transportation to the start and from the finish, maps.
- 3) Price for blind competitors and their escort  
- this includes: accommodation and souvenirs,
- 4) Price for blind competitors and their escort  
- this includes: accommodation, transportation to the start and from the finish, souvenirs, picnic and banquet.
- 5) Total package for competitors and Team officials.  
-this includes: accommodation, transportation to the start and from the finish.

Additional fee for single room 14 EUR per day.

## Payment details

Payment by bank transfer. Bank transfer costs are to be paid by the Society making the payment.

**Ask for a pro-forma invoice with payment instructions.**

## Transfers:

From Belgrade International Airport, bus or railway station and back:

Bus - 40 EUR if minimum of 35 persons is reached.

Mini bus - 60 EUR

**All transfers from the airport to the hotel and back will be arranged upon request.**

Transfers are not included in the price of the package.

## Weather:

The weather at this time of the year is stable, sunny, with daily temperatures of 15-20 degrees Celsius.

## Terrain characteristic:

The competition areas are in close proximity to the Championships centre, about a 20 min bus ride away. The competition area is located at an altitude of between 1500 and 1800 metres asl. Spruce forest of varying runnability, with a lot of detail such as marshes, stones and boulders. Generally hilly.

## Out of Bounds (Embargoed) area

The Kopaonik National Park is out of bounds for all potential participants in ARDF 2012 WCH. Participation in the Kopaonik Open 2012 orienteering competition is forbidden. No surveying or other use of maps in the area is permitted.

Any activity on the area would be considered as attempting to gain an unfair advantage and the offender(s) could be disqualified.

## Letter of Intent:

We have received Letters of Intent from the following countries: Romania (FRR), Serbia (SRS), Bosnia & Herzegovina (ARABIH), Bulgaria (BFRA), Great Britain (RSGB), Belgium (UBA), Russian Federation (SRR), China (CRSA), The Netherlands (VERON), Sweden (SSA), Denmark (EDR), Estonia (EST), Australia (WIA), The Czech Republic (CRC), France (ARDF France), Canada (RAC), Poland (PZK), Belarus (BFRR), Ukraine (UARL), Japan (JARL), Republic of Korea (KARL), Slovenia (ZRS), Switzerland (USKA), USA (ARRL), Norway (NRRL), Hungary (MRASZ), Lithuania (LRMD).

<http://ardf2012.org/entries.html>

## Competition rules

IARU Region 1 rules will be used

Latest version with rules for Classic ARDF, Foxoring and Sprint is

[V 2.10 B / 2012 - valid from January 1st, 2012](#)

ARDF for the blind

<http://ardf2012.org/competition/rules.html>

## International Jury

PA Nordwaeger	SM0BGU	Chairman of the Jury
Ivan Todorovic	YU0U	Siting referee
Jacek Czerwinski	SP2LQC	Referee at the Start
Dusan Ceha	YU1EA	Referee at the Start
Lars Nordgren	SM0OY	Referee at the Finish
Kai Pastor	DG0YT	Referee in the terrain
Choi Hyeong Moon	HL4CFN	Referee in the terrain
Igor Lazarev	US0VA	Referee in the terrain
John MacConnachie	VE7GED	Referee in the terrain
Marvin Johnston	KE6HTS	Referee in the terrain
Jiri Pavlu	OK2CHE	Referee in the terrain
Yoshio Arai	JR0AIJ	Referee in the terrain
Zvonko Colja	YT1WA	Secretary of the Jury
Zoran Vukelic	YU1EP	Tehnickal director

## Tehnickal data

### 144 MHz CLASSIC

RF power:	3W PEP
Antenna:	crossed dipoles 3m above ground level
Modulation:	AM 80%, keying speed: 50 PARIS
Frequency:	TX 1...5 (codes MOE-MO5): 144,500 MHz finish beacon (code MO): 144,900 MHz

### 3,5 MHz CLASSIC

RF power:	3W
Antenna:	8m vertical + 8 m single radial counterpoise
Modulation:	A1A, keying speed: 50 PARIS
Frequency:	TX 1...5 (codes MOE-MO5): 3,560 MHz finish beacon (code MO): 3,600 MHz

### 3,5 MHz SPRINT EVENT

RF power:	1W
Antenna:	8m vertical + 8 m single radial counterpoise
Modulation:	A1A
Frequency:	TX 1...5 (codes MOE-MO5): 3,520 MHz spectators control (code S): 3,540 MHz TX 1F...5F (codes MOE-MO5): 3,560 MHz finish beacon (code MO): 3,600 MHz

### 3,5 MHz FOXORING

RF power:	TX 1...5, 1F...5F (codes MOE-MO5): 10mW finish beacon (code MO): 1W
Modulation:	A1A,
Frequency:	TX 1, 1F, 2, 2F (codes MOE, MOI): 3,520 MHz TX 3, 3F, 4, 4F (codes MOS, MOH): 3,540 MHz TX 5, 5F (code MO5): 3,560 MHz finish beacon (code MO): 3,600 MHz

The RF field strength of transmitters 1...5 and 1F...5F is adjusted so that:

- the transmitter is clearly audible at its nominal position marked on the map AND at the distance of 30m from its real position
- the transmitter is NOT audible at the distance of 250m from its real position.

Detailed tehnickal data you can find on

<http://ardf2012.org/competition/tehnickal-data.html>

## Marking devices and time keeping:



[EjwW](#) software

## Maps

Scale 1:15000 and 1:10000, Size A3-A4, Colour printing, IOF standard, Non waterproof.

## Official application

If your team wishes to participate in the Championships and you have not yet sent the preliminary application (Letter of intent), please send an Official Application to the organizers at the address below, as soon as possible.

Teams that have sent the LOI please fill in the **Official Application for the 16th World ARDF Championships** and send it to the organizers by 15<sup>th</sup> July.

You can find an excel version of this document at <http://ardf2012.org/download.html>

## World Cup:

An official competition, the **ARDF World CUP**, will be held during the training week prior to the Championships.

There will be 4 competitions. Two on the 2m band and two on the 80m band. The two best results will be used for World Cup ranking. Competitors who take part in all four races have a greater chance of a better result.

More details at [www.ardf2012.org](http://www.ardf2012.org)

## Important notes:

- All the additional information and following Bulletins will only be distributed to those Societies who have responded and then only to the contact person nominated in the Letter of Intent.

The information will also be available on the web site of the Championships [www.ardf2012.org](http://www.ardf2012.org).

(please subscribe to our newsletter).

International Amateur Radio Union (IARU)

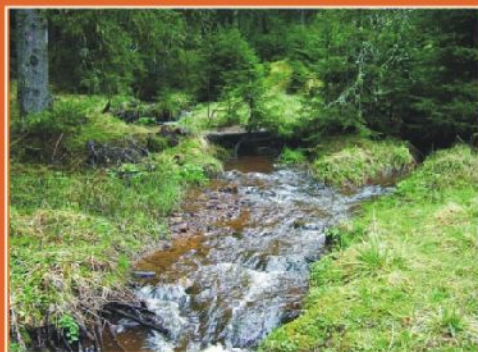
Amateur Radio Union of Serbia (SRS)

**16<sup>th</sup> ardf  
WORLD  
CHAMPIONSHIPS  
2012**  
SERBIA  
Kopaonik

**16<sup>th</sup> World Amateur  
Radio Direction Finding  
Championships**

10-15 September 2012  
Kopaonik, Serbia

We are looking forward to see you  
Welcome to Serbia in 2012



Contact:

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AMATEUR RADIO UNION OF SERBIA  
16<sup>th</sup> WORLD ARDF Championships  
- Executive Committee -

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