



**THE INTERNATIONAL AMATEUR RADIO UNION,  
REGION 1  
AMATEUR RADIO DIRECTION FINDING  
WORKING GROUP**



**To: all members of the IARU Region1  
ARDF Working Group**

**Cc: IARU Region 1 EC  
IARU Region 2 ARDF Coordinator  
IARU Region 3 ARDF Committee**

**Chairman:  
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**Date: September 7th, 2016**

## **MINUTES**

### **38th Plenary Meeting of the IARU Region 1 ARDF Working Group**

**held at the IARU World ARDF Championship, Albena, Bulgaria,  
September 5, 2016, 15:00-16:30 and September 7, 2016, 9:00-12:00**

#### **The agenda:**

1. The meeting was opened by the ARDF WG Chairman on September 5th, 2016 at 15:00.
2. The WG Chairman welcomed the guests
  - Ole Garpestad, LA2RR, IARU Vice-President
  - Oliver Tabakovski, Z32TO, IARU Region 1 Executive Committee Member
  - Hiroshi Izuta JF1RPZ, IARU Region 3 ARDF Committee Chairman
  - Ken Harker, WM5R representing IARU Region 2
3. Introduction of the present WG members and their attendants
  - see the list of participants (Appendix A)
  - out of total 25 members of the ARDF WG, 21 are present which constitutes a quorum
4. Apologies for absence, proxies
  - Following ARDF WG members apologized for absence:
    - Harald Gosch, OE6GC representing OeVSV
    - Patrice Vette, F8AZG representing REF
  - Following proxies were presented and accepted:
    - Kimmo Lehtosaari, OH2JKU gives proxy to Keijo Lehtosaari, OH2ETM (proxy within SRAL)
    - UBA gives proxy to Marc Vanhalst, ON6HI (proxy within UBA)
    - Krzysztof Jaroszewicz, SQ5ICY gives proxy to Marek Kubisiak (proxy within PZK)

- Viktor Tzenkov LZ3NN gives proxy to Vladislav Boev, 2E0VLB (proxy within BFRA)

5. The WG Chairman informed about the Silent Keys SP5HS and ON6IN.

Krzysztof Slomczynski, SP5HS was the ARDF WG Chairman for almost 20 years. He organized the first World ARDF Championship in 1980 and many other ARDF events and practically became a part of the modern ARDF history.

Wilfried de Smet, ON6IN was the ARDF WG member and UBA ARDF manager.

At the end of the tributes, all Members stood in silence in memory of our friends SP5HS and ON6IN.

6. The agenda of the 38th ARDF WG Plenary Meeting was approved unanimously.

7. Forthcoming IARU European/IARU R1 Youth ARDF Championships

7.1 OM3CCE presented preliminary information on the 18th EYAC 2017 (see the Appendix B). The entry fee of 40 EUR per competition was approved unanimously.

SARA proposed Jiří Mareček, OK2BWN, to be the Chairman of the International Jury and Jiří Pavlů, OK1CHE, as the substitute. This proposal was approved unanimously.

7.2 OK1CHE presented preliminary information of the 19th EYAC 2018 to be hosted by Czech society CRC. Venue: Doksy (the resort of Máchovo jezero). Date: June 30–July 3, 2018

7.3 UA3BL presented the intention of SRR to organize the 20th EYAC 2019. The official application will be placed when all arrangements are confirmed. After that, ARDF WG will decide by e-mail voting.

7.4 WG discussed the possibility of participation of teams from other regions (this was further discussed in the second part of the meeting, see point 12.2. below).

8. Forthcoming IARU ARDF Championships

8.1 LY1RM, presented preliminary information about the 21st IARU R1 ARDF Championship in 2017 hosted by LRMD (see also the Minutes of the 37th ARDF WG Plenary Meeting, Appendix D). The entry fee of 45 EUR per competition was approved unanimously. Venue: Druskininkai. Date: September 4-10, 2017. Event website: <http://ardf2017.lt/>. The organization of a training camp or the Lithuanian ARDF Championship just before the event was promised.

LRMD proposed P A Nordwaeger, SM0BGU to be the Chairman of the International Jury and Viktor Tzenkov, LZ3NN as the substitute. This proposal was approved unanimously.

LA2RR recommended that all proposed Jury Chairmen have to serve as Jury members beforehand to get an experience in organizing ARDF events.

8.2 Mr. Han Jung Hoon, HL2AGG presented the preliminary information of the 19th ARDF World Championship in 2018 hosted by IARU Region 3 / Korean society KARL. The organizer agreed upon organizing training camp prior the event.

8.3 So far there is no application for organizing ARDF Championships in 2019 and/or following years. R3 offers organizing championship in 2022/2024.

9. Evaluation of the ARDF events

9.1 20th IARU R1 ARDF Championship 2015 hosted by CRC, Czech Republic. All detailed information is in the Result Protocol (event and/or ARDF WG website).

9.2 17th Youth Championship 2016 hosted by NRRL, Norway (see the report of OK2BWN (Appendix C) and Final report of the organizer (event and/or ARDF WG website).

The meeting was adjourned at 16:25 and will continue on September 7th, 2016 at 9:00.

The meeting was reopened on September 7th, 2016 at 9:00

## 10. ARDF Rules

### 10.1 RSGB proposal concerning the dual nationality

Before discussion of this point, G3ORY objected to a conflict of interest (Vlad Boev, 2E0VLB, residing in UK, acts here as a proxy for BFRA). 2E0VLB agrees neither discuss nor vote about this point.

The proposal was widely discussed within SGR and resulted in a change of the point A5.1. The final wording:

**5.1 Competitors shall have full passport-holding citizenship of the country of the society they represent. Competitors with dual nationality may compete for either of the countries of which they are nationals. Other nationals living at least for one year in the country in question may also participate for the society of said country; the legitimacy of the residence shall be proven by an official document. Exceptions from this require the approval of the ARDF WG and the societies involved.**

**The competitor may represent just one country in a calendar year.**

### 10.2 New point (modification of the current 17.5):

**Y17.5. The starting order shall be drawn at random. The draw shall be made in five starting groups.**

## 11. Considering the involvement of the IARU to International Anti-doping and sports structures

Several societies proposed that IARU shall become involved in the international sport structures, for example SportAccord or ARISF. This should help recognizing ARDF and other radio amateur sports in a public and media and establish better conditions for raising funds from the government, sponsors and donors.

The WG Chairman presented brief background facts and analyzed key problems (see the Appendix D). After some discussion, following proposals were approved:

- that the ARDF WG in close cooperation with the IARU R1 Executive Committee continues in survey and looking for ways how to get involved in the international sport and Anti-Doping structures,
- that Regions 2 and 3 are addressed and asked to consider the above possibilities,
- that IARU Region 1 HST and Contesting Specialized Bodies are addressed and asked to consider the above possibilities,
- that ARDF WG members consider the possibility (of course, where appropriate) to establish the connection along the line of the national sport structure in their countries.

JF1RPZ expressed the agreement with the idea and declared that Region 3 will follow the Region 1 recommendations.

G3ORY and LA2RR expressed their thanks to the Chairman for his excellent work taking the survey.

## 12. Any other business, courtesies

12.1 LA2RR highlighted the importance of knowledge and following of the official International ARDF Rules and felt that this should be a major concern for the whole ARDF WG.

### 12.2 UARL proposals:

- To establish new M20 and D20 categories - as even current M19 and D19 have not enough competitors, it is not recommended to split the categories further. Proposal rejected.
- To organize the World Youth Championship instead of Regional in order to allow the official

participation of youth competitors from all Regions — after some discussion, the proposal was approved. LA2RR promised to raise the issue of changing the EYAC into World Youth ARDF Championships with the IARU Administrative Council. If the proposal is approved by the AC, it will result in some wording changes in the Rules. Action: SGR.

- To establish team classification in Sprint and Foxoring disciplines — proposal rejected.
- To organize a World ARDF Cup before the Championships on a permanent basis — the idea of training camps organized before ARDF Championships is highly appreciated. However, whether to set up additional events depends on the organizer's possibilities. In addition, care should be taken to ensure that the World Cup official arrangements do not prevent the organizer to prepare appropriately to the main event. For this reason, organizing additional official events just before the Championships was not recommended.

12.3 WG Chairman warned against unauthorized usage of the "World", "European", "Regional" etc. adjectives for ARDF events. Any such usage shall be approved beforehand by the IARU authority.

12.4 Z32TO pointed out that the IARU title should be used widely at the IARU events (at the official documents, certificates, posters, banners etc.).

12.5 9A5SP asked for (long time promised) handbook for organizers. Some recommendations (not covering the whole topic) were already published. PZK and CRC offered the help with completing the document. All those files will be published at the ARDF WG website.

12.6 The WG Chairman proposed DG0YT to be a new Sub-Group Rules Chairman, approved unanimously.

12.7 OK1CHE, agreed to take the job of the webmaster of the IARU R1 ARDF WG website.

12.8 For the sake of efficient information flow within ARDF WG, all members were asked (again) to reply to (or at least confirm) e-mails within three days.

12.9 The Chairman asked WG members to take care of confirming their membership in time:

- Every society shall confirm their representatives to the ARDF WG once a year, supplying following information:
  - name, callsign and valid contact information of the representative
  - annual report of the international referees' activity
  - contacts to all active international referees
  - brief information about international ARDF events organized in the next year in his/her country
- The confirmation shall be received by December 15<sup>th</sup> of the year. If the society fails to send the confirmation, its status will be changed to "Observer". This will be revised after the society has supplied all the requested information.

12.10 LA2RR reminded that the IARU R1 General Conference will be held next year. All WG members were asked to instruct their heads of delegations to vote in favor of the decisions of the ARDF WG Meetings.

12.11 LY1RM called for regulation of awarding stage and ceremony in order to keep its dignity and proposed adapting IOF regulations. The idea was generally approved. The wording is to be prepared as the proposal to the next ARDF WG meeting.

13. To close the meeting

- The WG Chairman passed his thanks to all ARDF WG members for their work and expressed hope for the fruitful cooperation in the future and closed the meeting at 11:40.

Jiří Mareček, OK2BWN

IARU Region 1 ARDF Working Group Chairman

Minute taker: Jiří Pavlů, OK1CHE

## APPENDIX A:

### List of participants of the 38th IARU R1 ARDF WG Plenary Meeting

name, callsign	society	05 SEP 2016	07 SEP 2016
Jiri Marecek, OK2BWN	Chairman	present	present
Ole Garpestad, LA2RR	IARU	present	present
Oliver Tabakovski, Z32TO	IARU R1 EC	present	present
Ken Harker, WB5R	IARU R2 ARDF	present	
Hiroshi Izuta, JF1RPZ	IARU R3 ARDF	present	present
Liudmila Hudeaeva, ER1FRS	ARM	present	present
Vlad Boev, 2E0VLB	BFRA	present	present
Jiri Pavlu, OK1CHE	CRC	present	present
Kai Pastor, DG0YT	DARC	present	present
Arne Jensen, OZ9VA	EDR	present	present
Stipe Predanic, 9A5SP	HRS	present	present
Remigijus Masilionis, LY1RM	LRMD	present	present
Gábor Páp, HA8MGC	MRASZ	present	present
Jon Sletvold, LA9NGA	NRRL	present	present
Marek Kubisiak	PZK	present	present
Bob Titterington, G3ORY	RSGB	present	present
Jozef Fekiač, OM3CCE	SARA	present	present
Keijo Lehtosaari, OH2ETM	SRAL	present	present
Chermen Guliev, UA3BL	SRR	present	present
Dušan Ceha, YU1EA	SRS	present	present
Jan Palmquist, SM5FUG	SSA	present	present
Igor Lazarev, US0VA	UARL	present	present
Marc Vanhalst, ON6HI	UBA	present	present
Paul Rudolf, HB9AIR	USKA	present	present
Dick Fijlstra, PA0DFN	VERON	present	present
Franci Zankar, S57CT	ZRS	present	present

## APPENDIX B:

### 18th IARU Region 1 Youth ARDF Championships Bulletin 1

Dear sports friends, Slovak Amateur Radio Association is pleased to invite young ARDF competitors as well as guests from all over the world to 18th IARU Region 1 Youth ARDF Championships to be held in Turčianské Teplice, Slovakia in the beginning of summer 2017. After organizing 5th World ARDF Championship 1990 in Strbske Pleso, 10th IARU Region 1 ARDF Championship 1995 in Chtelnica, 11th World ARDF Championship 2002 in Tatranske Matliare and 10th EYAC in Bojnice there is another opportunity to organize a big ARDF event in our beautiful country. Turčianské Teplice is a spa town with mountain surroundings of Velka Fatra. We will do our best to make your stay in Slovakia pleasant and successful.

Roman Kudlac, OM3EI, SARA president

#### Organizer

Slovak Amateur Radio Association,  
technical support ARDF Committee & ROB Klub Medik Mart

#### Event centre

Turčianské Teplice, Dormitory by the pedagogue school of Turčianské Teplice. Spa town Turčianské teplice is located in the middle of Slovakia, near Martin, 210 km northeast from Bratislava and 70 km south from Zilina.

#### Distances

Geographical midpoint of Europe - 15km (not so far for all of us) Vienna international airport - 270km  
Bratislava international airport - 210km  
Katowice international airport - 215km

#### Accommodation

Double rooms. The rooms are equipped with shower and WC. You can connect to the internet via wireless.

#### Estimated fees

- 250 EUR in total (cover accommodation, full board, transportation, excursions and all technical service, starting fees)
- 40 EUR starting fee per event (cover just starting fee-without accommodation)
- 220 EUR Visitors Packet (cover accommodation, full board, transportation, excursions)

#### Letter of intent

Will be available on web page latest on 11/2016, please confirm your interest till end of 01/2017.

#### Time schedule

- June 30 (Friday) arrival, training, opening ceremony, prologue (foxoring relay)
- July 1 (Saturday) 3,5 MHz competition, awarding ceremony
- July 2 (Sunday) 3,5 MHz sprint competition, awarding ceremony
- July 3 (Monday) 144 MHz competition, awarding ceremony, hamfest
- July 4 (Thursday) departure

It is possible to continue in Czech republic on international 5 Days of ARDF (4.-9.7.2017, Milovy, CZ), more info will be published in Bulletin 2.

#### Terrain

10-15km from event centre, mountain character, small hills.  
Maps are IOF Standard, scale 1:10 000 and 1:5 000 for Sprint.

#### More information

The website of the event: [eyac2017.rob.sk](http://eyac2017.rob.sk)

#### Contact

Slovak Amateur Radio Association, Mlynská 4, 90031 Stupava, Slovakia  
e-mail: [eyac2017@rob.sk](mailto:eyac2017@rob.sk)

See you next year by us in Slovakia!

## APPENDIX C:

### Report from the European Youth ARDF Championships EYAC2016

The event was organized by the Norwegian society NRRL, in the Norwegian capital Oslo, on July 2-5, 2016.

Detailed information and result list are contained in the EYAC2016 Final Report issued by the organizer (see attachment).

The International Jury (consisting of myself as the chairman, all team leaders, sitting referee and head of organizers) met at the beginning of the event and then after every competition at the finish area. There were no disputes, minor problems were solved easily. All results were approved immediately with no objections.

There were no technical problems during the competitions and no protests. There were also no serious injuries, small bruises and one injured ankle were treated on the spot.

Start and finish areas at all competitions were very good, well arranged and very well organized.

The awarding ceremonies should have taken place in more dignified environment (especially the stages of winners).

#### **Remarks and recommendations:**

Software: The whole event was run on the FjwW software (by DL7VDB) which run very well with just one problem at drawing (two competitors from the same country starting one after the other). This was found and start lists were corrected manually. Problem was consulted with the author and (now already) fixed.

Registering devices: the EMIT system was used with no problems (proving that ARDF community is really easily adaptable to new ideas). However, next time I would recommend to use standard SportIdent (if there are no special reasons for using different system).

Sprint competition course: the F5 control was placed behind the finish (see the map) and the whole fast loop was concentrated in a narrow stripe of woods which allowed only poor choice of course variants. I would prefer to move the whole fast loop towards the start (despite the fact that the loops will overlap).

The finish corridor shall be easy to run, with no "surprises" (sharp bends, confusing marking etc.). At following competitions, there were perfect corridors, but here it was unnecessarily complicated (bent through vegetation and over the knoll).

144 MHz competition: no objections, excellent terrain and courses.

3,5 MHz competition: at this course M16 category had the "optimum first" control No 5. However (they started to the beginning of No 1), directions to all previous controls (1-4) led them to run towards the No2 and only after 4 minutes they found the No 5 direction. Then they could either continue to No2 (they were already half of the way towards it) or turn back and change to No5. This causes bad feelings because competitor is forced to make vital decisions while he has not all necessary information. The fastest competitor gets the greatest time loss, which is not fair.

Conclusion: competitors shall hear the "optimum first" control as the first or second after the start. This can be done by either renumbering the controls or starting different categories to different minutes (Rules allow this for 10 years already!).

Courses were a bit shorter, but well within the limits.

#### **Further recommendations:**

- according to my experience, it is advisable to concentrate the whole personnel and equipment at the event centre during the whole event. This avoids the risk of some important person or equipment being blocked somewhere away by traffic jam or car break (here this situation occurs, fortunately could be quickly solved with no influence to the programme)
- I would recommend to install transmitters in a much more "fortified" way to avoid the risk of damage caused by, for example, running-through competitor.

- transmitter operator must have a clear, direct view at the transmitter so that he can immediately fix any damage (fallen flag, antenna etc.)

The IARU Region 1 Child Protection Principles were followed throughout the whole event. Actually, there was no reason to apply "protection" as the event took place in a fun and friendly atmosphere.

It was a great pleasure to work with the small, but dedicated organizing team. Every organizer made a perfect job and thanks to them the whole event took place smoothly with no problems.

Jiří Mareček, OK2BWN

IARU R1 International Class Referee

EYAC 2016 International Jury Chairman



## Appendix D:

### Some considerations concerning the IARU involvement in the international sport and anti-doping structures

Jiří Mareček, OK2BWN, IARU Region 1 ARDF WG Chairman

Several societies proposed that IARU shall become involved in the international sport structures, for example SportAccord or ARISF. This should help recognizing ARDF and other radio amateur sports in a public and media and establish better conditions for raising funds from the government, sponsors and donors. Also it can help in promoting ARDF and other radio amateur sports as attractive sports for young people.

#### Some background facts and explanations:

**SportAccord** is the union for both Olympic and non-Olympic international sports federations as well as organisers of international sporting events. Its mission is to unite and support its members in the coordination and protection of their common aims and interests, while preserving and respecting their autonomy.

SportAccord encourages and facilitates knowledge sharing among members and provides resources and expertise in relevant areas such as anti-doping, integrity, good governance, social responsibility and digital media. As an organisation, it identifies with the key values of neutrality, transparency and accountability while promoting sport's ability to contribute to positive change in society.

**ARISF - Association of IOC Recognised International Sports Federations** is the world authority regrouping all IOC Recognised International Sport Federations. It is a non-governmental, non-profit, non-discriminatory organisation constituted through and recognised by the International Olympic Committee (IOC).

To be recognised by the International Olympic Committee (IOC), an International Sports Federation (IF) must comply with a stringent set of criteria. These criteria comprise universality, popularity, governance, athlete welfare and development.

**WADA - The World Anti-Doping Agency** was established in 1999 as an international independent agency composed and funded equally by the sport movement and governments of the world. Its key activities include scientific research, education, development of anti-doping capacities, and monitoring of the World Anti Doping Code (Code) – the document harmonizing anti-doping policies in all sports and all countries.

#### Some aspects of the practical realization:

1. All documents and bodies mentioned above consider only single International Federation with worldwide jurisdiction. In our case this means IARU worldwide. Therefore, **all three Regions** shall adopt the (equal) decision which makes the issue worldwide valid.

2. Following criteria must be performed:

- 40 active countries worldwide
  - we have to convince all other radio amateur sports – HST and Contesting – that even they should approve the idea,
- have an anti-doping policy which is compliant with the World Anti-Doping Agency;
  - for this, it is necessary to develop our own Anti-doping Rules, specific for each of radio amateur sports and let them get approved by WADA,
  - it means that at every IARU Championships, we are expected to conduct anti-doping (AD) tests (i.e., to invite national AD agency to provide it),
- stage regular world and continental championships;
  - this is already performed, at least in ARDF and HST
- be committed to youth development;

- already performed, at least in ARDF and in Region 1,
- have robust and independent governance structures;
- already performed.

3. The whole process is a really long distance run. First, we need approval of all three Regional General Conferences that negotiations should be started. And also approval of all radio amateur sports. Further, the development of the Anti-doping Rules and WADA approval will take some time. And finally, the membership process takes again several years.

4. The costs of the whole matter are not certain so far. There is some application fee for SportAccord / ARISF, then some annual membership fee. Anti doping tests are usually paid by national AD agency in the country of the organizer or by the organizer itself.

### **Further considerations:**

1. It is much easier (although not performing all initial demands) to connect the IOC and WADA along the line of the national sport structure. As the example I would present the model used in Czech Republic:

- Czech ARDF Association as the collective member of the Czech Radio Club (IARU R1 member society) complies the condition of IARU membership.
- Czech ARDF Association is also a member of the Czech Union of Sport. It ratified the Anti-Doping Charter. Via Czech Anti-Doping Committee it is connected to WADA and via the national Olympic Committee connected to the IOC. All this is practically cost-free and needs only a little administration.
- As such, Czech ARDF Association have full access to the government support of youth and the national team. ARDF is recognized as normal sport in Czech Republic.

Similar model works successfully in many countries and it is highly recommendable to establish it wherever possible.

2. Recently it becomes common practise that government authorities demands that also the International Federation shall be involved in IOC and AD activities. This is much more complicated matter but I believe that we should start to consider possibilities and consequences.

3. The Anti-Doping part (WADA) should be dealt with at the first place. The model AD Rules are available at the WADA website and can be adapted specifically for each particular sport.

Note: If the IARU Championship is organized in a country with WADA-connected local organisation, it automatically falls under the scope of the national AD-agency which may appear on the spot and ask for random AD tests.

### **Conclusion:**

The problematic is quite extensive and we are just at the stage of collecting information. For now, I would propose that:

- the ARDF WG in close cooperation with the IARU R1 Executive Committee continues in survey and looking for ways how to get involved in the international sport and Anti-Doping structures,
- Regions 2 and 3 are addressed and asked to consider the above possibilities,
- IARU Region 1 HST and Contesting Specialized Bodies are addressed and asked to consider the above possibilities,
- ARDF WG members consider the possibility (of course, where appropriate) to establish the connection along the line of the national sport structure in their countries.