

Minutes of the Informal Meeting of the IARU Region 1 ARDF Working Group

**(held at Hotel Omorika Tara/Zlatibor SCG, the venue of 15th IARU
Region 1 ARDF Championships)**

The agenda:

1. Opening by the Chairman
2. Welcome to the Guests
3. Introduction of the present Working Group Members and their attendants
4. Apologies for absence, accepting the proxies
5. To approve the agenda
6. To approve the program of the 15th IARU Region 1 ARDF Championships
7. To approve the composition of the International Jury to the 15th IARU Region 1 ARDF Championships
8. To receive the minutes of the 25th Plenary Meeting held in Brno/CZ
9. To receive the chairman 's report
10. To discuss the application of new International Class Referees
11. To discuss the preparations for the IARU General Conference and the 26th Plenary of the IARU Region 1 ARDF Working Group to be held in Davos/Switzerland in 2005
 - 11.1 To discuss ARDF related papers to the General Conference
 - 11.1.1 C3-38 Terms of Reference and Rev.1
 - 11.1.2 C3-30 ARDF Youth Championships (MRASz)
 - 11.1.3 C4-15 Bandplan
 - 11.1.4 C5-04 Bandplan
 - 11.2 To find a candidate for the elections to the chairman of IARU R1 ARDF WG to be held at the IARU General Conference 2005 in September 2005
 - 11.3 To discuss the necessity of having a Vice Chairman of IARU R1 ARDF WG
12. Youth ARDF Championships of IARU Region 1

12.1. To receive preliminary information of 7th Youth ARDF Championships of IARU Region 1 to be hosted by the Polish society PZK in 2006

12.2. To discuss the venue and to decide the hosting societies of the 8th Youth ARDF Championships of IARU Region 1 2007 and the 9th Youth ARDF Championships of IARU Region 1 2008

13. To receive preliminary information of 13th IARU ARDF World Championships to be hosted by the Bulgarian society BFRA in 2006

14. To discuss the venue and the hosting society of the 16th ARDF Championships of IARU Region 1 in 2007

15. To discuss the proposal of the Bulgarian Federation of Radio Amateurs (BFRA) to promote the annual Region 1 Youth ARDF Championships into World Championships (see Appendix)

16. To receive the report of the Sub Group Rules

17. Any other business, courtesies

18. To close the meeting

Ad 1. Opening by the Chairman

The meeting was opened at 21:15, September 3rd by the Chairman of IARU Region 1 ARDF Working Group.

Ad. 2. Welcome to the Guests

The chairman welcomed all guests, especially Panayot Danev, LZ1US, member of the EC of Region 1. Mr. Dusan Ceha, YU1EA, president of the organizing committee of the 15th Region 1 ARDF Championships, also welcomed the members of the ARDF WG.

Ad. 3. Introduction of the present Working Group Members and their attendants

All participants of the meeting introduced themselves.

Attendance

September

Name	Call	Society	eMail	3rd	4th	5th
Rainer Floesser	DL5NBZ	Chairman	dl5nbz@ardf-r1.org	X	X	X

Panayot Danev	LZ1US	R1EC / BFRA	panayotdanev@yahoo.com	X	X	X
Ludmila Hudeaev		ARM/FRRM	president@radiosport.org		X	
Jiri Marecek	OK2BWN	CRC	marecek@sky.cz	X	X	X
Kai Pastor	DG0YT	DARC	dg0yt@darcd.de	X	X	X
Miklos Venczel	HA0LZ	MRASz	mvenczel@cz.hu	X	X	X
Guillaume Vidal	F4DJO	REF	f4djo@ref-union.org		X	X
Dusan Kawasch	OM8AAA	SARA	dusanka@stonline.sk	X		
Chermen Guliev	UA3BL	SRR	ua3bl@dol.ru	X	X	X
Dusan Ceha	YU1EA	SRSCG	yu1ea@eurossalon.co.yu	X	X	X
Jan Palmquist	SM5FUG	SSA	sm5fug@ssa.se	X	X	X
Victor Bobrov	UT3UV	UARL	ut3uv@mail.kar.net	X	X	
Paul Rudolf	HB9AIR	USKA	paul.rudolf@ch.abb.com	X	X	X
Jan Hoek	PA0JNH	VERON	pa0jnh@cs.com		X	X
Franci Zankar	S57CT	ZRS	s57ct@hamradio.si	X	X	
Guests						
Giosho Vodenicharov	LZ1ZF	BFRA	lz1zf@abv.bg	X	X	
Zvonimir Makovec	9A4ZM	HRS	s54m@email.si	X	X	
Jozsef Fica	YU7AA	SRSCG	yu7aa@eunet.yu	X		

Ad. 4. Apologies for absence, accepting the proxies

Apologies for absence were received from
Karl Heinz Mols, DL9ME, chairman of sub-group rules
Hans Endras, HB9QH (proxy to Paul Rudolf, HB9AIR)
Krzystof Slomczynski, SP5HS (proxy to Panayot Danev, LZ1US)
Arne Jensen, OZ9VA (proxy to Rainer Floesser, DL5NBZ)

Rainer Floesser, DL5NBZ informed the meeting that DARC is represented by Kai

Pastor, DG0YT (proxy for the informal meeting) and Mr. Kai Pastor, DG0YT, is also representing DARC at the 26th Plenary Meeting in DAVOS.

UARL informed the meeting that Victor Bobrov, UT3UV, is now the representative of UARL to the ARDF WG

Ad. 5. To approve the agenda

The meeting approved unanimously the agenda.

Ad. 6. To approve the program of the 15th IARU Region 1 ARDF Championships

The meeting approved unanimously the program of the 15th IARU ARDF Region 1 Championships.

Ad. 7. To approve the composition of the International Jury to the 15th IARU Region 1 ARDF Championships

The meeting approved unanimously the composition of the International Jury to the 152th IARU Region 1 ARDF Championships as below:

Rainer Floesser	DL5NBZ	Chairman
Jozsef Fica	YU7AA	Start
Miklos Venczel	HA0LZ	Start
Dejan Grozdanovic	YZ1GD	Start
PA Nordwaeger	SM0BGU	TX 1
Peter Hanzl	DL1OHS	TX2
Jiri Pavlu	OK1CHE	TX 3
Georgi Vodenicharov	LZ1ZF	TX 4
Bozidar Zivanov	YT1ZB	TX 5
Victor Bobrov	UT3UV	Finish

Dusan Ceha	YU1EA	Finish / Secretary
Ivan Todorovic	YU1UA	Siting Referee
Dorde Negovanovic	YU1ND	Technical Referee

The meeting was adjourned at 23:50 h

The meeting was reopened at 11:00 on September 4th

Ad. 8. To receive the minutes of the 25th Plenary Meeting held in Brno/CZ

The meeting approved unanimously the minutes of the 25th Plenary Meeting held in Brno/CZ

Ad. 9. To receive the chairman´s report

The chairmans report was distributed earlier together with the papers to the Davos meeting.

At the Davos meeting there will be a revised version (see Appendix B)

Ad.10. To discuss the application of new International Class Referees

Certificates for new this International Class Referees were handed over. There were no applications for new International Class Referees for this meeting.

Ad. 11. To discuss the preparations for the IARU General Conference and the 26th Plenary of the IARU Region 1 ARDF Working Group to be held in Davos/Switzerland in 2005

Ad. 11.1 To discuss ARDF related papers to the General Conference

Ad. 11.1.1 C3-38 Terms of Reference and Rev.1

The new Terms of Reference were discussed and an excursion to Ad. 11.3 was made:

Ad. 11.3 To discuss the necessity of having a Vice Chairman of IARU R1 ARDF WG

The informal discussed the necessity of having a vice chairman and decided to have a vice chairman.

After considering the candidates for this position and after voting the meeting proposes Mr. Jiri Marecek, OK2BWN, to the Davos Meeting as vice chairman of ARDF WG.

Returning to C3-38 Terms of Reference and Rev.1

The meeting discussed small changes in the original version of the new Terms of Reference and proposes to the 26th Plenary Meeting to forward this version with changes to the Final Plenary. (see Appendix A)

Ad. 11.1.2 C3-30 ARDF Youth Championships (MRASz)

The chairman asked Mr. Miklos Venczel, HA0LZ, if he was informed about his paper from the Hungarian society MRASz. Miklos was not informed and there were no discussions within the ARDF office of MRASz about this paper.

The meeting proposes unanimously to the 26th plenary meeting to ask MRASz for withdrawing this paper. If MRASz will not withdraw the paper the meeting proposes to the 26th Plenary Meeting to vote against this paper. This paper is dealing with the Part B of the ARDF Rules and should be discussed and be voted on in the ARDF WG and not at a General Conference.

Ad. 11.1.3 C4-15 Bandplan

The ARDF WG proposes to C4 to forward this paper to the Final Plenary. ARDF WG is pointing out that operating ARDF transmitters is sporadic use only.

Ad. 11.1.4 C5-04 Bandplan

The ARDF WG proposes to C5 to forward this paper to the Final Plenary.
ARDF WG is pointing out that operating ARDF transmitters is sporadic use only.

Ad. 11.2 To find a candidate for the elections to the chairman of IARU R1 ARDF WG to be held at the General Conference 2005 in September 2005

The ARDF WG proposed unanimously Mr. Rainer Floesser, DL5NBZ, to be the candidate for the elections to the chairman.

The meeting was adjourned at 13:10 h

The meeting was reopened at 21:45 h on September 5th

Ad. 12. Youth ARDF Championships of IARU Region 1

Ad. 12.1. To receive preliminary information of 7th Youth ARDF Championships of IARU Region 1 to be hosted by the Polish society PZK in 2006

POLISH AMATEUR RADIO UNION - PZK POLISH ARDF CLUB

PRELIMINARY INFORMATION ON THE 7-th IARU REGION 1 YOUTH ARDF CHAMPIONSHIP 2006

1. According to the IARU Region 1 ARDF Working Group schedule, Polish Amateur Radio Union (PZK) and Polish ARDF Club have pleasure to invite all IARU Member Societies to participate in the 7-th IARU Region 1 Youth Championship to be held in 2006 in Poland.
2. Proposed venue of the Championship: city of GRUDZIADZ, located in northern Poland, 18° 45'17" East, 53° 28'37" North.
3. Accommodation and board: in the youth hostel of the local school, to minimize the participation costs.
4. Proposed date of the Championship: 13 to 16 July 2006.
5. Age categories: according to the IARU Region 1 ARDF Rules (W15, M15) plus proposed new categories if accepted by the ARDF Working Group at the meeting

held during IARU Region 1 General Conference in Davos.

6. Scope of the Championship: IARU Region 1 event, with the possibility to extend the scope of the event into First World IARU ARDF Youth Championships (depending on the decision of IARU Region 1 ARDF Working Group and agreement of the ARDF Committees of IARU Regions 2 and 3).

7. Excursion at first day to the famous Teutonic Order Castle in Malbork.

Piotr Skrzypczak, SP2JMR President, PZK Club	Krzysztof Stomczyński, SP5HS PZK ARDF Manager	Jacek Czerwiński, SP2LQ President, SP ARDF Club
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The total cost per competitor are 110 - 120 EUR

These costs were approved by the WG unanimously.

Ad. 12.2. To discuss the venue and to decide the hosting societies of the 8th Youth ARDF Championships of IARU Region 1 2007 and the 9th Youth ARDF Championships of IARU Region 1 2008

DARC offered to host the 7th IARU Region 1 ARDF Youth Championships in 2007. The venue will be south of Chemnitz/Germany in an Youth Hostel located in two orienteering maps.

ARM/FRRM offered to host the 8th IARU Region 1 ARDF Youth Championships in 2008. The venue will be near Chisinau/Moldova.

Ad. 13. To receive preliminary information of 13th IARU ARDF World Championships to be hosted by the Bulgarian society BFRA in 2006

Mr. Panayot Danev, LZ1US, reported the continuing preparations and that BFRA had already signed the contract with brand new 3 stars hotels which are located about 50m from the beach. All preparations are within the schedule.

Ad. 14. To discuss the venue and the hosting society of the 16th ARDF

Championships of IARU Region 1 in 2007

Mr. Jacek Czerwinski, SP2LQC, informed the chairman and the WG, that PZK (Poland) is ready to host the 16th IARU Region 1 Championships in 2007.

The WG accepted the kind offer with thanks.

Ad. 15. To discuss the proposal of the Bulgarian Federation of Radio Amateurs (BFRA) to promote the annual Region 1 Youth ARDF Championships into World Championships

The WG discussed the paper of BFRA and came to the conclusion to keep Region 1 Youth Championships, but to invite also societies from Region 2 and 3. If societies from the other Regions will participate the Region 1 Youth Championships will become Youth World Championships. The ARDF Committees in Region 2 and 3 will be informed and this issue will be discussed.

Ad. 16. To receive the report of the Sub Group Rules

The report of the sub group rules was presented by Mr. Jiri Marecek, OK2BWN. This report is an appendix to the minutes. (Appendix C)

Ad. 17. Any other business, courtesies

Ad. 17.1. An application to become an International Referee was received for Mr. Lucien Vidal, F4DKA.

This application was discussed and approved unanimously by the WG. The certificate will be prepared for signing.

Ad. 17.2 One candidate for the position of the vice chairman of WG was proposed. Mr. Jiri Marecek, OK2BWN, was accepted unanimously by the WG. This proposal will be forwarded to the General Conference.

Ad. 17.3 Mr. Panayot Danev, LZ1US, proposed to change paragraph A 8.3 of the rules. This was discussed by the WG and it was decided leave this paragraph as it is.

Ad. 17.4 Mr. Karl Heinz Mols, DL9ME, was proposed and accepted by the WG for another 3 years term to chair the sub group rules.

Ad. 17.5 To promote ARDF to young people Mr. Jiri Marecek, OK2BWN, offered a youth training camp in central Moravia. Detailed information will follow soon.

Ad. 17.6 Mr. Jiri Marecek, OK2BWN, reported, that he is working on rules for special kinds of ARDF like sprint ARDF and relay ARDF. These kinds of ARDF will be attractive to the media. He will report at meeting in 2006.

Ad. 18. To close the meeting

The chairman expressed his thanks to the working group members for their effective work during the three sessions of this informal meeting.

The chairman reminded those members of the working group not able to attend the 26th Plenary Meeting in Davos to inform their delegations about the results of this informal meeting.

The meeting was closed at 23:45 h

Rainer Floesser, DL5NBZ
Chairman IARU Region 1 ARDF Working Group

Appendix A

Terms of Reference for each Committee/Working Group

ARDF - Amateur Radio Direction Finding Working Group (revised version)

Tasks

1. to exchange information related to ARDF;
2. to develop ARDF materials and answer question from other IARU bodies;
3. to provide ARDF advice and help to IARU Member Societies, to prepare bulletins and educational material, to assist the IARU Region 1 Member Societies in ARDF activities;
4. to submit ARDF advice, proposals and recommendations to the Executive Committee;
5. to participate in the organisation of IARU ARDF events;
6. to undertake ARDF activities on behalf of IARU Region 1;
7. to organise the IARU international events and championships;
8. to support sport and technical progress in ARDF;
9. to prepare the ARDF competition rules;
10. to care for skilled referees serving at International, Regional and World

Championships

11. to cooperate with the similar bodies in IARU Region 2 and Region 3.

Procedures

12. Each member of the Working Group should be licensed radio amateur.

13. Each Society willing to be member of the Working Group nominates/substitutes its representative in ARDF WG by official letter addressed to WG Chairman and signed by the Society's president or secretary. The WG Chairman introduces the new WG members in appropriate way.

14. The ARDF WG holds its official plenary meetings normally once per year during General Conferences or otherwise during World/Regional championships

15. At least one month before the meeting the Chairman notifies the members for the time and venue of the meeting and distributes preliminary agenda. The Chairman presides at the meeting and is responsible for the meeting minutes and their approval by the members present at the meeting. In case the Chairman is unable to attend any meeting he/she appoints the vice chairman or a WG member to chair that meeting.

16. Each ARDF WG member has the right to attend plenary meetings and to vote. In case a member is unable to attend the meeting he/she is permitted to give a proxy to other WG member or other representative of his/her Society.

17. Ten (10) WG members present in particular plenary meeting constitute a quorum and the meeting is entitled to take official decisions. Unless otherwise noted in the Rules any decision should be taken with more than half of members present voting „aye“.

18. Between the meetings the WG Chairman may require voting on urgent decisions by e-mail or other appropriate way. Such a decision is valid if at least ten (10) WG members have voted and more than half of them have voted "aye".

19. The WG Chairman is entitled to summon informal meeting when a majority of the WG members are expected to attend particular Amateur Radio competition, exhibition, hamfest etc. The informal meeting can only discuss matters of interest and forward eventual propositions to the next coming official meeting for approval. Informal meetings during Region 1 or World Championships are entitled to approve the program of the event and the International Jury.

Appendix B

ARDF Report

The General Conference 2002 in San Marino was a milestone in the development of ARDF in Region 1.

The Final Plenary approved the new Rule for Championships in ARDF which gives more fairness to the competitors and more flexibility to the Working Group.

2003

In 2003 the 4th IARU Region 1 Youth Championships were hosted by the German Society DARC in Bastheim in northern Bavaria. Six member societies from Region 1 took part in this championships Czech Republic (CRC), Hungary (MRSAz), Russia (SRR), Slovakia (SARA), Serbia (Yugoslavia SRJ) and Germany (DARC). In total 42 youngsters up to 15 years of age competed in this event.

The Polish Society PZK (SP ARDF Klub) hosted the 14th IARU Region 1 Championships. The venue was Cetniewo at the Baltic Sea coast which was also the venue of the first ARDF World Championships in 1980.

21 Societies from Region 1 sent their delegations to this event. In total there were more than 360 participants, 294 of them competitors. These figures are proving the very positive development of ARDF in Region 1.

Regional Championships nowadays are not only a challenge for the competitors but also for the organizing society. The organizing team from PZK did a very good job managing the event.

The 24th Plenary Meeting of the IARU Region 1 ARDF Working Group was held during the Regional Championships. The Minutes are attached to this report.

2004

The 5th IARU Region 1 Youth ARDF Championships were held in Chisinau, Moldova from 16 to 20 June 2004. Regrettably, due to different circumstances, only 5 Region 1 societies took part - CRC (Czech Republic), ARDM (Moldova), PZK (Poland), SRR (Russia) and UARL (Ukraine). But the number of competitors was biggest ever - 40 boys and 33 girls up to 15 years old.

At the 24th Plenary Meeting of the ARDF WG in Cetniewo/Poland no society applied for hosting this Youth Championships. In November 2003 the Moldovan society ARM/FRRM applied for an official membership in the WG. Fortunately Moldovan society took also the responsibility for hosting the 5th IARU Region 1 Youth Championships. Furthermore, the organizers, headed by Mrs. Ludmila Hudeaeva, R1 ARDF WG member, run a perfect competition .

The 12th ARDF World Championships were held in Brno/CZ hosted by the Czech society CRC/AROB.

Again there was a new record in the number of participants. 31 societies from all three Regions of IARU entered 445 participants, 345 of them were competitors.

These World Championships were not only an outstanding competition but also a big media event. Professional video equipment and radio links from the transmitters in the competition area to finish and two big video walls at the finish made unforgettable impressions. All ceremonies and competitions were live streamed in the internet. After the event there was a 20 minute report on Czech Television CT2.

During the 12th ARDF World Championships the 25th Plenary Meeting of the IARU Region 1 ARDF WG was held. At this meeting guests and officials from the ARDF bodies of Region 2 and 3 were present. The minutes of the 25th Plenary Meeting of the IARU Region 1 ARDF WG is attached to this report.

2005

The 6th IARU Region 1 Youth Championships were held in Karlovy Vary / CZ.

62 youngsters up to 15 years of age from 9 member societies competed in this event. The number of competitors is proofing the growing interest of member societies in this event. CRC/AROB did a great job in organizing this event.

At the 15th IARU Region 1 ARDF Championships about 260 competitors from 22 Region 1 member societies and one competitor from Region 2 participated. The Radio Societies of Serbia & Montenegro and Serbia chosed the beautiful region of Tara mountains for the competitions.

The opening ceremony and the awarding ceremony were attended by officials from the Ministry of Defense and the Ministry of Post and Telecommunicatings.

Also the secretary of IARU, Davis Sumner, K1ZZ, attended the opening ceremony and greeted organizers, officials, competitors and visitors.

During the 15th IARU Region 1 ARDF Championships an informal meeting of the IARU Region 1 ARDF Working Group was held, preparing the 26th Plenary Meeting of ARDF WG to be held in Davos / Switzerland (see the minutes).

Many thanks to the organzing committee for doing this outstanding event!

Conclusion

- ARDF is developing very well in Region 1. This is proved by the increasing number of participating societies and competitors in Regional and World Championships.
- The IARU Region 1 Youth Championships is now an accepted event within the Region 1.
- ARDF WG is working within the given budget.

In the last years the Working Group was working very hard in attracting more societies in ARDF. The future challenge will be to handle the big amount of competitors at international competitions.

Again changes in rules will be necessary and maybe a change in structure of the WG must be made to be prepared for a further increase of active societies. ARDF WG and their sub group rules is working already working on this.

Thanks

I like to thank all societies, referees, members of the Working Group and colleagues in Region 2 and 3 for their good cooperation and making big events a success.

Rainer Floesser, DL5NBZ

Chairman

IARU Region 1 ARDF WG

Appendix C

To: Mr. Rainer Floesser, Chairman of IARU R1 ARDF WG

From: ARDF Sub-Group Rules

Subject: Report from ARDF Sub-Group Rules

General remark: Every change of the Rules should improve their quality and also quality of ARDF itself. Therefore, every important change of the Rules shall be well tested at lower level competitions, results recorded and evaluated. We recommend for this purpose competitions at national level in countries with many competitors (Czech Republic, Germany, Russia, Ukraine etc.), which are comparable with IARU ARDF Championships (mainly by number of competitors and categories).

1. Competition at simultaneous bands

Details of a system as recommended by SGR: to hold two different courses at the same time on both bands. One course for younger categories with longer

length (and possibly higher climb) and another course for older categories with shorter length. In addition, there is necessary to define course lengths and recommended winning times more precisely for each category.

1. course at band A:

Category	No. of Tx	length	
W19	4	4 ... 8 km	(no change)
W21	4	6 ... 8 km	(no change)
M19	4	4 ... 8 km	(no change)
M21	5	6 ... 10 km	(no change)

2. course at band B:

Category	No. of Tx	length	
W35	4	5 ... 7 km	(no change)
W50	4	3 ... 5 km	
W60	3	2 ... 3 km	(possible new category)
M40	5	6 ... 8 km	
M50	4	5 ... 7 km	(no change)
M60	4	4 ... 5 km	
M70	3	2 ... 3 km	(possible new category)

Reasons:

Pros:

- | Siting referee can easily make proper courses for all categories, more physically demanding for younger and more technically demanding for older
- | Significantly decreased concentration of competitors around transmitters
- | Number of competitors and their density in the terrain at one race decreased to approximately one half
- | No principal change for competitors, no special training needed
- | Only small Rules changes needed (14, 19, 25)
- | The whole system is already well tested (WCH 2004)

Cons:

- | Doubles number of technical equipment in the field
- | Doubles number of referees at the transmitters

Recommendation: to use at „testing“ status at WCH 2006 (provided organizer is in favour). Adopt this point at WG plenary meeting in 2006. Consider establishing new categories, if at least 5 competitors apply to participate.

2. Using 10 transmitters at one band, two frequencies

Details of a system as recommended by the SGR:

I two sets of transmitters operate normally on two frequencies, the beacon is on the third one, preferably between those of transmitters. The two sets of transmitters are told apart by different keying speeds („slow“ and „fast“). – There is no problem at 3,5 MHz band, at 144 MHz there might be some problems with receivers selectivity.

I New starting procedure: Competitors will start at every minute. The sequence could be a fixed one to be followed at every competition or a flexible one as desired by the siting referee. A typical procedure could be: Min.1 : M21 (probably 2 competitors together according to the parallel start system); Min.2: M60 and W21 ; Min. 3: M50 and W35 ; Min. 4 : M40 and W19 ; Min. 5 : M 19 and W 50.

I Each category has to search first for a tx as indicated by the siting referee. This offers the siting referee chances to plan 9 very individual courses with route choices requiring high quality direction finding. For the competitors this system will reduce nervousness at the start as they know which tx they have to find first. On the way to this first tx they can take bearings of the other tx they have to find and decide on their further route. One start channel is adequate. If a corridor must be marked should be decided by the starting referee.

Reasons:

Pros:

I Siting referee will have much more transmitter combinations available and he will be able to build courses technically and physically appropriate to particular categories

I Significantly decreased concentration of competitors around transmitters

I Significantly decreased number of parallel course sections of particular categories, which will result in more uniform distribution of competitors over the competition area and will minimize the chance of „following“.

I Even „weaker“ categories will search for at least 4 –5 transmitters.

I System is already tested at national level in CZE.

Cons:

I Doubles number of technical equipment in the field

I Doubles number of referees at the transmitters

I 3 channels needed - need of modification of all 2m receivers

I This system differs from „normal“ competitions organized at local level (need of retuning, more transmitters to be searched for and, what is more difficult, to be considered at tactical decisions)

Recommendation: not to adopt this point for now, continue testing at national level

3. Some considerations on parallel starts system

Reason: Experience from using says that there is only small problem with following, but worse problem with many competitors in the terrain at the same time. which is even worse than the first. Also rules for qualifying and selecting competitors who start together are not very exact. At all competitions, where parallel starts were used, were not equal start intervals between competitors of the same category (for example, at 10:00 started two competitors, at 10:05 none, at 10:10 one.. etc, with no regularity). The resulting contribution was therefore only small (max. 1 hour) and not worth all complications and bad feelings of competitors. The system was very quickly pushed into life and not properly tested at lower level competitions.

Recommendation: Increase a limit for using a system to 50. Make further considerations about balloting procedure used at parallel starts.

4. Other Rules changes

Recommendation: to discuss and prepare the final wording for the WG Plenary Meeting 2006.