



**INTERIM MEETING OF VHF & up Committee of IARU REGION 1  
VIENNA April 15th – 17th 2016**

<b>Subject</b>	<b>Committee C5 Minutes</b>	<b>Society</b>	<b>VHF/UHF/SHF Committee</b>
<b>Committee</b>	<b>C5</b>	<b>Chairman</b>	<b>ON4AVJ</b>
<b>Author</b>	<b>DJ3HW</b>	<b>Status</b>	<b>Final</b>

**1. Opening by the chairman (C5\_01\_1) (08:30, April 16<sup>th</sup>)**

1.1. Introduction of delegates

ON4AVJ welcomed the delegates from 18 Member Societies (MS)  
(see Annex 1)

Meeting rules (Bye-Laws)

ON4AVJ explained the rules for voting in accordance with the Bye-Laws:  
B 3.23.1, which demands a two thirds majority. (12 votes out of 18 MS present  
are required):

VERON, NRRL (temporarily until Item 6.), UBA, DARC, RSGB, USKA, SARA,  
CRC SRAL, OeVSV, ARI, HRS, REF, ZRS, SSA, URE, EDR and MRASZ

1.2. Appointment of meeting secretary

DJ3HW was appointed as secretary for the meeting.

1.3. Check on documentation

ON4AVJ presented agenda and documents to be discussed (See list attached)

**2. Varna 2014 (C5\_02)**

2.1. Report of Varna Meeting - ON4AVJ gave briefing.

2.2. Evaluation action points

ON4AVJ presented the progress report on the Varna Action Items with three  
remarks:

- VA14\_C5\_REC\_03: IARU web site and link to the RADAR project from SARL to be checked
- VA14\_C5\_REC\_10: Focus 24GHz activity in segment primary user to be checked for user acceptance

- VA14\_C5\_REC\_21: IPV6 allocation is an ongoing process with nothing to report yet

SM6EAN made a progress report on VA\_C5\_Rec\_02 (see Annex 2). This issue is to be discussed on EC level in accordance with the rebuilding the IARU Region Website. C5 chairman will be present on next EC meeting in May 2016.

### 3. Report of the chairman (C5\_03)

ON4AVJ presented the Chairman's report. ON4AVJ encourages MS to use the C5-Wiki for preparing for conferences by early discussions of proposals and documents.

### 4. Reports from the coordinators

#### 4.1. Report of satellite coordinator (C5\_04)

G3VZV presented the report of satellite coordinator. G3VZV emphasized that the frequency coordination between the three Regions has to be improved for avoiding interference incidents like PC-Sat and some of the Chinese XW2-Sats. Due to current reports from MS about some observations of harmful interference, RSGB is asked to prepare a statement for publishing to inform MS and members how to take care.

C5 chairman is asked to bring up the issue on EC meeting, because further AC action is required.

#### 4.2. Report of the beacon coordinator

No report was provided.

#### 4.3. Contest Robot (C5\_42)

ON4AVJ presented the report about the Contest Robot by DL5NAH.

### 5. Frequency allocations / Band Planning

#### 5.1. General matters:

a.) C5\_11: Safe Co-existence

**VIE16\_C5\_Rec\_01: The usage of a controlled cloud solution for collecting and providing relevant information for MS is encouraged.**

Unanimous

**VIE16\_C5\_AI\_01: OeVSV will set up a controlled cloud.**

b.) C5\_37: WSPR

Not agreed. A revised document C5\_37a was discussed under agenda item 10.

c.) C5\_40: Handbook Editorial Updates

**VIE16\_C5\_Rec\_01: To Update the VHF Handbook per proposal C5\_40.**

**The chairman will also prepare a new template/model of the Handbook**

**who will consider the actual matters without the loss of historical data. (see also point 8.2). In the meanwhile the actual handbook (7.x) will be the reference.**

Unanimous

## 5.2. Band Planning

### a.) 50 MHz:

1. C5\_32: (Changes to Meteorscatter & EME) The document was rejected:-

In favour: ARI and URE

Against: DARC, RSGB, USKA, SARA, EDR, SSA, VERON, MRASZ, ZRS, CRC and HRS

Abstention: UBA, REF, SRAL, OeVSV and NRRL

### b.) 144 MHz:

1. C5\_07: (Crossband repeaters) The document was rejected.

In favour: VERON, NRRL and UBA

Against: DARC, RSGB, USKA, SARA, CRC SRAL, OeVSV, ARI and HRS

Abstention: REF, ZRS, SSA, URE, EDR and MRASZ

2. C5\_08: (2m footnotes)

**VIE16\_C5\_Rec\_03: To remove footnote “III” in the VHF Managers Handbook.**

In favour : VERON, NRRL, UBA, DARC, RSGB, USKA, SARA, SRAL, OeVSV, ARI, HRS, REF, ZRS, SSA, URE, EDR and MRASZ

Abstention: CRC

**VIE16\_C5\_Rec\_04: To remove footnote “c”, 4<sup>th</sup> paragraph in the VHF Managers Handbook.**

Unanimous

The deletion of footnote “d” was rejected.

In favour: UBA and RSGB,

Against: USKA, CRC, EDR, SSA, MRS AZ, ARI, ZRS, SRAL, NRRL, OeVSV, HRS and DARC ,

Abstention: REF, SARA, SRAL, URE.

The deletion of footnote “h” was rejected.

In favour: UBA, DARC, REF, CRC, VERON and OeVSV

Against: RSGB, USKA, EDR, MRASZ, ARI, ZRS, NRRL and HRS

Abstention: URE, SSA; SRAL, SARA.

3. C5\_38: 144 MHz Narrowband Modernisation

**VIE16\_C5\_Rec\_05: Adopt paper for 144 MHz and to review the band planning in the VHF Managers Handbook and preparing a common document for the General Conference (GC) in 2017. The objective is to create more flexibility in order to provide more opportunities for future experiments (MS to prepare this by using the Wiki).**

Unanimous

**c.) 432 MHz:**

1. C5\_09: This document was covered by VIE16\_C5\_Rec\_05. RSGB and IRTS(EI3IO) highlighted that the 70cm band plan was particularly complex and greater use of national footnotes may be helpful

**d.) 5 GHz:**

1. C5\_10:

**VIE16\_C5\_Rec\_06: To correct the satellite segment the table in chapter 4.9 by deleting “5790”, inserting “5830” and adding the footnote: “Any wideband system shall protect narrowband applications”.**

**5.3. YOTA 2016**

PA2LS and OE3ZMC presented the YOTA 2016 activity in Austria 16<sup>th</sup> – 23<sup>rd</sup> July 2016.

**5.4. WRC-19 +**

a.) PB2T presented Agenda Item 1.1 for WRC-19 for a possible frequency allocation for the Amateur Radio Service from 50 – 54 MHz. (see **Annex...**)

b.) C5\_06: EI3IO presented the document and encouraged the MS to consider future spectrum requirements to bring them into the WRC process within the scope of WRC-23 and WRC-27. The chairman is asked to bring it in the next Newsletter.

**6. Contesting**

**6.1. General matters:**

a.) C5\_26: (Several items related Contest rules)

**VIE16\_C5\_Rec\_07: To review the contest rules in the Managers Handbook and preparing a common document for the General Conference (GC) in 2017 by using the Wiki. This includes the paragraph 5.2 for organizational aspects and the aspect of disqualification in paragraph 5.3.11, the usage of EDI-format and the missing Appendix 3B.**

Unanimous

**VIE16\_C5\_Rec\_08: To add in paragraph 5.2.2 that this is applicable for Phone/CW contests (ATV does not use the IARU-R1 contest robot).**

Unanimous

Paragraph 5.3.3 c will be kept unchanged. There was no two-thirds majority.

In favour: RSGB, VERON, EDR, UBA, SSA, MRS AZ and ARI

Against :DARC, ZRS, CRC, SARA and HRS

Abstention: REF, USKA, SRAL, OeVSV and URE.

**VIE16\_C5\_Rec\_09: To remove in paragraph 5.3.11 “but these stations may not take part in the contest”.**

In favour: DARC, RSGB, CRC, MRS AZ, VERON, UBA, EDR, SSA, ARI, ZRS, SARA and HRS

Abstention: REF, URE, USKA, OeVSV, SRAL abstaining.

**VIE16\_C5\_Rec\_10:** To add further information on the EDI-format in the next Newsletter.

Unanimous

**VIE16\_C5\_Rec\_11A:** To discuss an even more extended locator system that is used for ATV (including IARU ATV contest) and for other purposes by using the Wiki and prepares a document for GC 2017 if necessary.

(Note this will clarify the definition of 10 digit locators used for microwaves etc see example at <http://no.nonsense.ee/qth/map.html> )

Unanimous

b.) C5\_18:

**VIE16\_C5\_Rec\_11B:** To change paragraph 5.3.10 Entries to:

The entries must be set out in digital/electronic form fulfilling the requirements under rule 5.3.13. Logs shall be sent according to rule 5.2.3 not later than the second Monday following the contest weekend. Late entries will be accepted as check logs. By submitting the contest or check log, an entrant agrees that he / she has:

- understood the contest rules and agrees to be bound by them,
- operated according to all the rules and regulations that pertain to his and/or station license,
- agreed the cross-checked log may be made open to the public, except for the personal data in PAdr1, PAdr2, RName, RAdr1, RAdr2, RPoCo, RCity, RCoun, RPhon and RHBBS lines of EDI file format,
- accepted all decisions of the organising society (contest organiser) as final.

In favour: VERON, NRRL, UBA, DARC, CRC, USKA, SARA, SRAL, OeVSV, ARI, HRS, REF, ZRS, SSA, URE, EDR and MRASZ

Against: RSGB

c.) C5\_19: Chapter 5.8.1

**VIE16\_C5\_Rec\_12:** The sub regional contest managers are encouraged to exchange the received contest logs for cross checking purposes on their decision.

Unanimous

d.) C5\_39: VHF Contest Guidance on Secondary Methods

**VIE16\_C5\_Rec\_13:** To update Section 5.3.6 by adding the acceptable/unacceptable examples of secondary methods as mentioned in the document. Remark: To add "and the QSO starts again" after: "Nothing received, please try again"

In favour: RSGB, CRC, USKA, MRSAZ, VERON, EDR, ARI, SRAL, ZRS, HRS, SSA, SARA

Against: DARC

Abstention: UBA, REF, URE and OeVSV

## 6.2. Contest rules:

### a.) 50-70 MHz:

#### 1. C5\_05:

**VIE16\_C5\_Rec\_14: To retain the 6-digit Locator system in 50 MHz contest. For stations outside Region 1, four digits can be accepted and such Locators would be assumed to be completed with “MM”.**

(ie a distant four digit locator would be treated as the middle of a square)

In favour: VERON, RSGB, DARC, CRC, USKA, SARA, SRAL, OeVSV, ARI, HRS, REF, ZRS, SSA, URE, EDR and MRASZ

Abstention: UBA.

### b.) 144 MHz:

#### 1. C5\_23: None of the proposals got the required majority.

### c.) 6H rule:

#### 1. C5\_20:

**VIE16\_C5\_Rec\_15: To add in paragraph 5.3.2 in the 6 HOURS section time rule: ”Participants are welcome to operate longer than 6 hours and in such case they shall send their complete log (the contest robot will automatically extract the 6 hours part from the log, while the rest of the log entries will be used for cross-checking purposes).”**

Unanimous

### d.) Contest sections:

#### 1. C5\_14:

**VIE16\_C5\_Rec\_16: To add to the paragraph 5.3.2 of the VHF Managers Handbook: “Section MULTI: stations operated by multiple operators”**

Unanimous

#### 2. C5\_13, C5\_15 and C5\_17:

New classes might be defined within the scope of VIE16\_C5\_Rec\_07 if necessary, in future.

### e.) Others:

#### 1. C5\_30:

Document was withdrawn by ARI.

#### 2. C5\_33:

The IARU Region 1 Contest Robot is modified to provide certificates for all participants.

**VIE16\_C5\_Rec\_17: To hold a prize-giving ceremony for the first three of each category during Ham Radio in Friedrichshafen, starting with the 2016 contest. DARC to support the ceremony itself, C5 to conduct the ceremony and to organise the prizes.**

In favour: RSGB, DARC, CRC, USKA, SARA, OeVSV, ARI, HRS, REF, ZRS, SSA, URE and MRASZ

Against: VERON

Abstention :UBA, EDR, SRAL

### 6.3. EDI standard:

a.) C5\_12: Adding QSO Frequencies - The document was rejected

In favour: ZRS and ARI

Against: RSGB, DARC, CRC, USKA, SARA, OeVSV, HRS, REF, SSA, MRASZ, VERON, UBA, EDR

Abstention: URE, SRAL

b.) C5\_21: Abbreviations

**VIE16\_C5\_Rec\_18: To encourage contesters as well as logging SW programmers to use one of the contest section abbreviations in their submitted contest log (EDI entry line: PSect=):**

- Section SINGLE (SO, SINGLE, SINGLE-OP)
- Section MULTI (MO, MULTI, MULTI-OP)
- Section 6 HOURS SINGLE (SO-6H, SINGLE-OP-6H)
- Section 6 HOURS MULTI (MO-6H, MULTI-OP-6H)
- Section SINGLE with MGM (SO-MGM, SINGLE-OP-MGM)
- Section MULTI with MGM (MO-MGM, MULTI-OP-MGM)

**by publishing in the next Newsletter.**

Unanimous

### 6.4. Contest robot:

a.) C5\_22: Adjudication

**VIE16\_C5\_Rec\_19: ZRS to lead a Sub Working Group to add paragraph “5.8 Automatic Contest Adjudication Software” to the VHF Managers Handbook by using the Wiki and prepare a document for GC 2017 if necessary.**

In favour: RSGB, VERON, CRC, USKA, SARA, OeVSV, ARI, HRS, REF, ZRS, SSA, URE, UBA, EDR and MRASZ

Against: DARC

Abstention: SRAL

b.) C5\_28: Templates

**VIE16\_C5\_Rec\_20: To use a common template for the final classifications of the IARU Region 1 contests taking the information for each field from the EDI Logs comparable to the table used for the Marconi Memorial Contest by ARI.**

In favour: RSGB, VERON, CRC, USKA, SARA, OeVSV, ARI, REF, ZRS, SSA, URE, DARC and MRASZ

Abstention: SRAL, HRS, EDR and UBA

c.) C5\_29: Export Results Data

**VIE16\_C5\_Rec\_21: To enable the Contest Robot to export the results in some other electronic format (e.g. xls, .csv, pdf) for publishing purposes.**

In favour: RSGB, VERON, CRC, USKA, SARA, OeVSV, ARI, HRS, REF, ZRS, SSA, URE, UBA, EDR, DARC and MRASZ

Abstention: SRAL

## 7. Operational matters

### 7.1. 50 MHz Beacon project:

a.) C5\_34: G6JYB gives a status report upon the 50 MHz beacons, covering frequency moves to 50.4xx and the new synchronised beacons.

**VIE16\_C5\_Rec\_22: To encourage MS and members to use the old beacon segment for CW (at 50.031-50.100 MHz)**

Unanimous

G6JYB and EI3IO will provide further information about 50 MHz issues for the next Newsletter.

### 7.2. APRS Harmonisation: C5\_41

a.) C5\_41: In the current 144 MHz band plans, Region 1, 2 and 3 have differing APRS frequency allocations that can give terrestrial and space-based conflicts. The Region 3 Conference had also asked Region 1 to consider usage of 144.390 MHz (which is narrowband). Usage in the 435MHz band and newer techniques also need to be considered

**VIE16\_C5\_Rec\_23: The C5 chairman to answer Regions 2 and 3 that:**

- **144.390 MHz is not suitable for Region 1 and that Region-3 should consider 144.800**
- **To consider an additional 144 MHz frequency (that might be compatible) with Region 2 and 3**
- **To also consider 435 MHz usage and newer APRS technologies (for the 2017 GC)**

In favour: RSGB, VERON, CRC, USKA, SARA, OeVSV, ARI, HRS, REF, ZRS, SSA, SRAL, UBA, EDR, DARC and MRASZ

Abstention: URE

RSGB will prepare a more detailed answer for the chairman.

### 7.3. Risk of losing data:

a.) C5\_25:

The C5 chairman will bring the intention and the ideas of this document to the EC at the next meeting in May. (*Use of more generic addresses etc*)

### 7.4. Mailing lists:

a.) C5\_31:

**VIE16\_C5\_Rec\_24: The C5 chairman to set up a new Mailing list on the IARU server for VHF-Managers and IARU-Liaison officers of the MS only.**

Unanimous

## 8. Technical matters

### 8.1. New techniques:

a.) C5\_27:

This document is covered by VIE16\_C5\_Rec\_05.

### 8.2. VHF Managers Handbook:



a.) C5\_24: The VHF Managers Handbook is the Handbook for VHF-Manager and not for user. It was also suggested that the spectrum/band plan/technical topics (which are also looked at by regulators and manufacturers) be split/separated from the contest/operating matters.

**VIE16\_C5\_Rec\_25: The C5 chairman to review the VHF Managers Handbook and prepare a document for GC 2017 in accordance with all relevant Recommendations of VIE16\_C5.**

Unanimous

**VIE16\_C5\_Rec\_26: The C5 chairman to remove the band plan web pages from the Region 1 Website and point to the VHF Managers Handbook as the master.**

In favour: RSGB, OeVSV, ARI, HRS, REF, ZRS, SRAL, UBA, URE, DARC and MRASZ

Abstention: VERON, USKA, CRC, SARA, EDR, SSA

## 9. Organising of contests

a.) C5\_35:

**VIE16\_C5\_Rec\_26: VERON will organise the IARU Region 1 ATV contests in 2016 and 2017. DARC will do the same for all other Region 1 contests in 2016 and 2017. MS are encouraged to apply for the following years in the GC 2017.**

Unanimous

a.) C5\_36:

**VIE16\_C5\_Rec\_27: To remove paragraph 5.11 from the VHF-Managers Handbook and putting the winners table on the website.**

*Remark: The missing results can be found on the OK2KKW-Website or on <http://slovhf.net/mednarodni-uradni-rezultati/>*

Unanimous

## 10. AOB

a.) C5\_37a: Based on discussions at the meeting a new version of C5-37 regarding WSPR was presented

**VIE16\_C5\_Rec\_27: To remove all dedicated WSPR spot frequencies and footnotes from the VHF Managers Handbook.**

Unanimous

b.) The GC 2017 will take place from September 16<sup>th</sup> – 23<sup>rd</sup> 2017. The deadline for papers etc will confirmed by the EC meeting but is expected to be April 16<sup>th</sup> 2017

## 11. Closing the meeting

ON4AVJ closed the meeting at 11:47AM, April-17<sup>th</sup>.

## 1 List of documents

- **VIE16\_C5\_01:** Agenda and list of documents
- **VIE16\_C5\_02:** SitRep Varna 2014 and to-do list
- **VIE16\_C5\_03:** Report of the chairman
- **VIE16\_C5\_04:** Report of the satellite coordinator
- **VIE16\_C5\_05:** Rules modification on 50MHz contests (URE)
- **VIE16\_C5\_06:** Amateur Service Spectrum Requirements in ITU and R1 RTOs (IARU)
- **VIE16\_C5\_07:** Bandplan 2m and crossband (UBA)
- **VIE16\_C5\_08:** Bandplan 2m footnotes (UBA)
- **VIE16\_C5\_09:** Bandplan 70cm repeaters (UBA)
- **VIE16\_C5\_10:** 5650-5850 MHz Band plan update for HAMNET backbone and ATV coexistence(REF)
- **VIE16\_C5\_11:** Common set of technical arguments for “safe coexistence” (REF)
- **VIE16\_C5\_12:** Adding QSO frequency to EDI file
- **VIE16\_C5\_13:** New SO LP section in IARU R1 VHF contest
- **VIE16\_C5\_14:** Update of MO section definition in IARU R1 contests
- **VIE16\_C5\_15:** New MO SA section in IARU R1 VHF contest
- **VIE16\_C5\_16:** New MO SA section in IARU R1 VHF contest
- **VIE16\_C5\_17:** Align SO6H and MO6H with new SO LP section in IARU R1 VHF contest
- **VIE16\_C5\_18:** Amendment to the chapter 5.3.10 (“Entries”)
- **VIE16\_C5\_19:** Amendment to the chapter 5.8.1
- **VIE16\_C5\_20:** Clarification of 6H contest rule
- **VIE16\_C5\_21:** Contest Sections Abbreviations (chapter 5.3.2)
- **VIE16\_C5\_22:** new section in Chapter 5: “Rules for Automatic Contest Adjudication”
- **VIE16\_C5\_23:** Widening the 144 MHz SSB/CW segment for 24 hours only during IARU R1 VHF contest
- **VIE16\_C5\_24:** Intention VHF managers handbook / readability / document control
- **VIE16\_C5\_25:** Risk of losing data / information
- **VIE16\_C5\_26:** IARU Contest rules not in all cases realistic and could be improved to gain future activity
- **VIE16\_C5\_27:** New modulation techniques asks for adaptation of text and bandplans to prevent limitations of developments
- **VIE16\_C5\_28:** Unique Template for Contest Results
- **VIE16\_C5\_29:** Export Contest Results from the Contest Robot
- **VIE16\_C5\_30:** Modification of 5.3.6 paragraph
- **VIE16\_C5\_31:** Mailing list for VHF Managers
- **VIE16\_C5\_32:** Modification of 50 MHz Bandplan
- **VIE16\_C5\_33:** Modification to paragraph 5.3.12
- **VIE16\_C5\_34:** Discussion about the status of 50 MHz Beacon
- **VIE16\_C5\_35:** Discussion about the management of the IARU Contest
- **VIE16\_C5\_36:** Update paragraph 5.11
- **VIE16\_C5\_37:** Harmonisation of WSPR frequencies
- **VIE16\_C5\_38:** 144 MHz Narrowband Modernisation
- **VIE16\_C5\_39:** VHF Contest Guidance on Secondary Methods
- **VIE16\_C5\_40:** VHF Managers Handbook Updates
- **VIE16\_C5\_41:** 144 / 435 MHz APRS Harmonisation
- **VIE16\_C5\_42:** Progress report about the contest robot

NB: **VIE16\_C5\_37a: WSPR** was drafted in the meeting after discussion of C5\_37