



# International Amateur Radio Union Region 1 2011 Regional Conference – Sun City, South Africa 12 to 19 August 2011



|            |  |               |                    |
|------------|--|---------------|--------------------|
| Subject    | Minutes of the Final Plenary, 17 August 2011 |               |                    |
| Society    |  | Country:      |                    |
| Committee: |  | Paper number: | SC11_Plenary Final |
| Author:    | Dennis Green, ZS4BS                          |               |                    |

## Present:

Hans Blondeel Timmerman, PB2T, President IARU Region 1 (Chairman)  
Dennis Green, ZS4BS (Secretary)

Delegates from AARA, ARA, ARAC, ARAI, ARAS, ARBF, ARM, ARTJ, BFRA, CRAM, CRC, DARC, EARS, EDR, ERASD, HRS, IARC, IRTS, MRASZ, NARL, NRRL, OeVSV, REF, ROARS, RSGB, SARL, SRAL, SRR, SSA, UARS, UBA, USKA and VERON.

## By Proxy:

FRR, URE, URAC, ARSK, MRSF, AGRA, RAAG, PZK, FRA, IARS, ARABiH, RSM, RSS, IRA, MARS, URA, ARRSM, ZARS, ERAU, TRAC, AFVL

IARU Region 1 EC Members, IARU Region 1 WG Chairmen, IARU Officers, IARU Region 2 Officers and IARU Region 3 Officers.

The chairman welcomed delegates and observers to the Final Plenary of the 22<sup>nd</sup> General Conference of IARU Region 1

The agenda for the meeting is approved.

The Election and Ballot Committee collect the voting papers for the EC elections, the 2014 venue election and the election for the ARDF WG Chairman.

## **Recommendations of Committee C2 – Finance and Credentials**

The meeting approves the minutes of Committee C2.

**SC11\_C2\_Rec\_02**– Document SC11\_C2\_04a, SC11\_C2\_04b and SC11\_C2\_04c

**That the Region 1 audited financial statements for 2008, 2009 and 2010 be accepted.**

Proposed by DARC, seconded by CRAM. Approved unanimously

**SC11\_C2\_Rec\_03** – Document SC11\_C2\_05 V5

**That the Region 1 Outline Budget for 2012, 2013 and 2014 be accepted**

Proposed by NRRL, seconded by ARTJ. Carried with one abstention.

## SC11\_C2\_Rec\_04 – Change to Byelaws

**B.4.6 Member Societies who wish to appoint another Member Society to vote by proxy on their behalf, must notify the Secretary at least 24 hours before the opening of the General Conference, which Member Society has been appointed as proxy holder.**

**B.4.9 The delegation of a Member Society acting as proxy must hold a "Letter of Appointment" signed by an officer of the Member Society concerned. Provided that the letter and its signatures can be clearly identified and verified by the Secretary; electronic scan and transmission of this letter is acceptable.**

The Current byelaws

B.4.6 Member Societies who wish to appoint another Member Society to vote by proxy on their behalf, must notify the Secretary at least 30 days before the opening of the General Conference, which Member Society has been appointed as proxy holder

B.4.9 The delegation of a Member Society acting as proxy must hold a "Letter of Appointment" signed by an officer of the Member Society concerned.

Proposed by REF, seconded by HRS. Carried with one abstention.

This concluded the discussion of matters from Committee C2

## **Recommendations of Committee C3 - Administration and Organisational**

The meeting approves the Minutes of Committee C3.

### SC11\_C3\_Rec\_01 - Document SC11\_C3\_34

**To change Rule 9.2 as follows:**

**9.2 The Chairman of the Jury at an IARU World Championship shall be a member of the Regional Executive Committee or an ARDF International Class Referee designated by the Regional EC. The Chairman of the Jury at an IARU Regional Championship shall be an ARDF International Class Referee authorised by the relevant regional IARU organisation. The designation/authorisation shall be made at least nine months prior the Championship.**

Proposed by CRC, seconded by BFRA. Approved unanimously.

### SC11\_C3\_Rec\_02 – Document SC11\_C3\_37a

**To add to the constitution**

**A.1.3.11 Protection of the fundamental, natural and finite resource “frequency spectrum,” to keep it clean and undisturbed from man-made electromagnetic**

**disturbances causing harmful interference to the amateur service and the amateur satellite service.**

Proposed by USKA, seconded by RSGB. Approved unanimously

**SC11\_C3\_Rec\_03** - Document SC11\_C3\_35b

**1. That IARU Region 1 creates a permanent Political Relations Committee (PRC) consisting of members of the executive committee and Region-1 experts selected by the EC.**

**2. The PRC deals with relations with political and governmental entities and related matters, with the following Terms of Reference:**

**i. The Region 1 Political Relations Committee, hereinafter referred to as "PRC", is an advisory body to the Executive Committee, formed according to Art. A.5 of the Constitution and Section B.3 of the Bye-Laws, It is a permanent body in the sense of B.3.10.**

**ii. PRC shall advise the EC on the matters relevant to monitoring of, or involvement in, works of political entities affecting the interests of the amateur radio services in any matter.**

**iii. The PRC shall process material and undertake actions delegated to it by the EC. It is responsible to the EC. It is acting in consultation with other relevant Region 1 bodies, e.g. ERC, EMC Working Group, HF Committee, VHF/UHF Committee, Satellite Coordinator etc.**

**iv. The PRC shall consist of volunteers, persons of special knowledge from Region 1 Member Societies.**

**4. It is recommended that Member Societies of IARU Region 1 will inform the secretary of the EC of the names and addresses of qualified persons in their Society who could participate in this committee (PRC).**

**5. The PRC Chairman should be a member of the EC.**

**6. The PRC takes over the tasks of the EUROCOM WG. The latter is then discontinued.**

Proposed by DARC, seconded by ROARS. Approved unanimously.

**SC11\_C3\_Rec\_04** - Documents SC11\_C3\_11 and SC11\_C3\_11a and the minutes of the EUROCOM WG meeting held on 13 August 2011 at conference.

**To accept and approve the activity report of EUROCOM WG.**

Proposed by DARC, seconded by RSGB. Approved unanimously.

**SC11\_C3\_Rec\_05** - Documents SC11\_C3\_11 and SC11\_C3\_11a and the minutes

of the EUROCOM WG meeting held on 13 August 2011 at conference.

**To further monitor the situation on EMF exposure regulation and start to assess the consequences of getting a common European solution with ICNIRP limits.**

Proposed by UBA, seconded by REF. Approved with one against.

**SC11\_C3\_07** – Document SC11\_C3\_09 and HST WG Meeting Minutes 13 August 2011

**That the HST WG report and the changes to the rules will be accepted. That the HST WG will decide on the venues of future championships.**

Proposed by SRAL, seconded by BFRA. Approved unanimously.

**SC11\_C3\_Rec\_09** - Documents SC11\_C3\_14 and SC11\_C3\_14a

**That the activities of the Sponsoring WG will be put on hold until the Region has a Public Relations package.**

Proposed by CRAM, seconded by EDR. Approved unanimously.

**SC11\_C3\_Rec\_10** - Document SC11\_C3\_06

This recommendation was merged into Recommendation SC11\_C3\_Rec\_11

**SC11\_C3\_Rec\_11**

**To change the name of the Radio Regulatory Working Group to the Regulatory Affairs Co-ordinator and endorse the proposed goals and work programme for Regulatory Affairs WG for the next three years.**

Proposed by RSGB, seconded by MRASZ. Approved unanimously.

**SC11\_C3\_Rec\_13** - Documents SC11\_C3\_08 and Document SC11\_C3\_08a

**To promote activities for handicapped amateurs as part of the International Day of Persons with Disabilities on 3 December.**

Proposed by HRS, seconded by ARAI. Approved unanimously.

**SC11\_C3\_Rec\_16** - Document SC11\_C3\_32

**To safeguard Morse Code as an Intangible Heritage.**

DARC volunteered to take the necessary steps.

Proposed by DARC, seconded by NARL. Approved unanimously.

**SC11\_C3\_Rec \_17** - Document SC11\_C3\_33

**It is recommended implementing a Public Relation Coordinator within IARU Region 1, ensuring an appropriate funding and producing material that helps societies dealing with public relations topics. The Coordinator should operate under the Terms of Reference as reflected in Document SC11\_C3\_33b.**

Proposed by USKA, seconded by ROARS. Approved unanimously.

**SC11\_C3\_Rec \_19** - Document SC11\_C3\_07

**To accept and approve the activity report of the EMC WG, with the exception that PLT should not be treated as a radio service.**

Proposed by NRRL, seconded by SRAL. Approved with one against.

**SC11\_C3\_Rec \_21**- Document SC11\_C3\_30

This recommendation has been duplicated, refer SC11\_C3\_Rec\_25

**SC11\_C3\_Rec \_22** – Document SC11\_C3\_26. Approved unanimously.

**That Member Societies propose candidates for an IARU Region 1 Youth Co-ordinator before 30 September 2011 and that the EC selects and appoints this Youth Co-ordinator.**

**Each Member Societies appoints a youth co-ordinator and/or establishes a youth working group in order to ensure the growth of amateur radio.**

**Youth related information and material will be shared amongst societies through the Region 1 web site**

**To establish an annual youth recognition award**

Proposed by UBA, seconded by ARA. Approved unanimously.

**SC11\_C3\_Rec \_23** – Document SC11\_C3\_24

**To establish a study group to further investigate interest, feasibility, possible business models, legal aspects, transition, cost and further consequences of a digital amateur radio library.**

**The study group will be lead by Willi Vollenweider, HB9AMC and to report to the EC by 31 December 2011.**

Proposed by USKA, seconded by AARA. Approved unanimously.

**SC11\_C3\_Rec \_24** – Document SC11\_C3\_25

**To support the Documentary Archives Radio Communications with an annual**

**amount of CHF 3000 in order to archive the available IARU Region 1 and Member Societies documents and to use them for research.**

**OeVSV will act as interface between Docufunk and IARU Region 1 and will report on the work at our General Conference(s).**

Proposed by SSA, seconded by VERON. Approved unanimously.

**SC11\_C3\_Rec\_25** – Document SC11\_C3\_30

**To add the following to the standing recommendations of IARU Region 1.**

**That member societies establish and maintain a close contact with their national standardization bodies with the aim of membership and active engagement.**

**Member Societies should appoint a point of contact, who can be contacted by the EMC WG, in case of comments on drafts, relevant to the amateur service or voting by national standardization organizations.**

Proposed by OeVSV, seconded by AARA. Approved unanimously.

**SC11\_C3\_Rec\_26** – Document SC11\_C3\_29

**In order to improve and modernize training material for common topics in the HAREC syllabus 3D audiovisual files are required. A centralised IARU Region 1 approach is recommended. OeVSV will submit a project plan. This will be funded from the future of amateur radio budget line**

Proposed by OeVSV, seconded by SRAL. Approved with one against.

**SC11\_C3\_Rec\_27** -

**That noise level measurements have to be performed. The most cost effective way seems to be the use of the already existing skimmer network.**

**SSA, OeVSV, DARC and CRC will develop a plan and report by 31 December 2011.**

Proposed by MARS, seconded by REF. Approved unanimously.

**SC11\_C3\_Rec\_28** – Reference document SC11\_C3\_28

**To accept and approve the minutes of the WG meeting and the WG's activity report. The work and activities of STARS continue for a further three-year period, and will be run as projects with a project plan and budget approved by the EC and proper reporting.**

Proposed by IRTS, seconded by SARL. Approved with one against.

This concluded the discussion of matters from Committee C3

## **Recommendations of Committee C4 – HF Committee**

The meeting approves the Minutes of Committee C4.

### **Recommendation SC11\_C4\_01:**

**That within the ‘Guidelines for HF Contests chapter of the IARU Region 1 HF Manager’s Handbook, the category MOST is reworded: ‘MOST – Multi Operator Single Transmitter’. A MOST station is a multi-operator station transmitting no more than one signal on not more than one running frequency on a band at any time.**

Proposed by DARC, seconded by VERON. Approved unanimously.

### **Recommendation SC11\_C4\_02:**

**That the HF Committee encourage member societies to publish contest operating segments clearly in the rules of the contest and that those segments are considered with due respect to the IARU band plans.**

Proposed by UBA, seconded by IARC. Approved unanimously.

### **Recommendation SC11\_C4\_03:**

**That within the “Guidelines for HF Contests” chapter 7.1.2 of the IARU Region 1 HF Manager's Handbook, the category SO should be amended as follows: “An SO station is a station manned by one individual operator transmitting not more than one signal on one running frequency at any time”.**

Proposed by URA, seconded by CRC. Approved unanimously.

### **Recommendation SC11\_C4\_04:**

**That IARU Region 1 modifies the 10 metre band plan in the segment 29.1 to 29.7 MHz to allow 8 FM repeater channels as described in SC11\_C4\_09 rev1.**

Recommend by NRRL, seconded by USKA. Approved unanimously.

### **Recommendation SC11\_C4\_05:**

**That the CW contest-preferred segment from 7000 – 7025 kHz is withdrawn from the Region 1 band plan. Societies should encourage contest organisers to include a rule that restricts contest activity to a limited frequency range within the CW allocation. The choice of frequency segment is left to the discretion of the contest organisers, but should take into account expected activity levels and show consideration for non-contest operation.**

Proposed by MRASZ, seconded by EDR. Approved with one against.

**Recommendation SC11\_C4\_06:**

**In respect of deliberate interference, that:**

- a) De Haan 1993 – C4.5, is suppressed as much of the material is covered in Cavtat 2008 CT-8\_C3\_Rec\_44 or in the HF Manager’s Handbook**
- b) IARU Region 1 endorses the “DX Code of Conduct” and urges its member societies to publicise and recommend it to their members.**

Proposed by IARC, seconded by SRAL. Approved unanimously.

**Recommendation SC11\_C4\_07:**

**That member societies bring to their members attention that the T/R 61-01 agreement only applies to people using their own call sign, with the appropriate country prefix, when the operator is actually visiting that country, not for remote operation.**

Proposed by REF, seconded by EDR. Approved with four against.

**Recommendation SC11\_C4\_08:**

**That the C4 Chairman is mandated to set up a sub-group to examine the question of transnational remote-controlled operation and to establish under what conditions such operation might, if ever, be regulated and to issue its findings in due course.**

Proposed by SRAL, seconded by DARC. Approved with one against.

**Recommendation SC11\_C4\_09:**

**Voice Internet Gateways linking 2 stations should be restricted to experimentation and operation for emergency communication purposes on frequencies below 28 MHz.**

Proposed by RSM, seconded by EDR. Approved with four against and 1 abstention.

**Recommendation SC11\_C4\_10:**

**Expansion of the 10 MHz band shall be given high priority when talking with administrations and by IARU when negotiating with authorities.**

Proposed by VERON, seconded by SRAL. Approved unanimously.

**Recommendation SC11\_C4\_11:**

**That IARU at further ITU World Radio Conferences should seek to expand the international amateur radio 160 metre band from its present lower end of 1 810 kHz to 1 800 kHz in ITU Region 1. IARU should also try to obtain an international secondary allocation for amateur radio between 1 850 and 2 000 kHz in**



## **ITU Region 1.**

Proposed by NRRL, seconded by SARL. Approved unanimously.

### **Recommendation SC11\_C4\_12:**

**That the following definition of a QSO be added to the HF Manager's Handbook:**

**A definition for a valid QSO is:**

**A valid contact is one where both operators during the contact have**

- 1. mutually identified each other**
- 2. received a report, and**
- 3. received a confirmation of the successful identification and the reception of the report.**

**It is emphasized that the responsibility always lies with the operator for the integrity of the contact.**

Proposed by SRAL, seconded by CRAM. Approved with four against.

### **Recommendation SC11\_C4\_13:**

**That:**

**a/ San Marino 2002 - REC/02/SM/C4.11 can be suppressed as the matter is in hand via the ITU and CEPT preparation processes**

**b/ Davos 2005 – DV05\_C4\_Rec\_01 and Cavtat 2008 – CT08\_C4\_Rec\_01 could also be suppressed along with the closure of the 500 kHz Working Group.**

Proposed by ARABiH, seconded by EDR. Approved unanimously.

This concluded the discussion of matters from Committee C4.

## **Recommendations of Committee C5 – VHF/UHF/Microwave Committee**

**SC11\_C5\_Rec\_01 – Document SC11\_C5\_05**

**Ratification of paper VIE10\_C3\_B08 - Tone Reports**

Proposed by OeVSV, seconded by HRS. Approved unanimously.

**SC11\_C5\_Rec\_02 - SC11\_C5\_06**

**Ratification of paper VIE10\_C3\_B12 – Beacon Message**

Proposed by AARA, seconded by REF. Approved unanimously.

**SC11\_C3\_Rec\_03 - SC11\_C5\_07**

**Ratification of paper VIE10\_C3\_B04 50 MHz Meteor Scatter Usage**

Proposed by SARL, seconded by UBA. Approved unanimously.

**SC11\_C3\_Rec\_04 - SC11\_C5\_08**

## **Ratification of paper VIE10\_C3\_B21 Unmanned stations in the 70 cm band**

Proposed by VERON, seconded by SARL. Approved with three against.

**SC11\_C5\_Rec\_05 - SC11\_C5\_09**

## **Ratification of paper VIE10\_C3\_B16 Organising IARU Region 1 Contest**

Proposed by CRC, seconded by HRS. Approved with two against.

**SC11\_C5\_Rec\_06 - SC11\_C5\_10**

## **Ratification of paper VIE10\_C3\_B13 VHF Contest Rules 5.3.6**

Proposed by OeVSV, seconded by ARABiH. Approved unanimously.

**SC11\_C5\_Rec\_07 - SC11\_C5\_11**

## **Ratification of paper VIE10\_C3\_B18 Introducing a Rover class**

Proposed by EDR, seconded by NRRL. Approved with five against and one abstention.

**SC11\_C5\_Rec\_08 - SC11\_C5\_12**

## **Ratification of paper VIE10\_C3\_B24 10 minute rule**

Proposed by UBA, seconded by HRS. Approved with one abstention.

**SC11\_C5\_Rec\_09 - SC11\_C5\_13**

## **Ratification of paper VIE10\_C3\_B01 Threatening Developments at 2300 – 2400 MHz**

Proposed by AARA, seconded ARAI. Approved unanimously.

**SC11\_C5\_Rec\_10 - SC11\_C5\_16**

## **D-Star in Italy using SAT-Band**

### **Escalation Procedure:**

- 1. Write the repeater operator to remove out of satellite segment.**
- 2. Inform the trust server operator of the IARU bandplan breach made by the use of the repeater.**
- 3. Inform the government about the repeater and request them to remove the repeater.**

Proposed by OeVSV, seconded by REF. Approved unanimously.

**SC11\_C5\_Rec\_11 - SC11\_C5\_22**

## **EDI standard**

The IARU R1 is giving a quality label to those programs that support 100% the EDI standard. This quality label is given after an approval from a working group of three VHF contest managers. These managers will look of all the EDI-specifications (as described in the Handbook) are correct. Those programs will be listed in the VHF Manager's handbook. The editors of the program are allowed to mention this quality label on their software and on their publicity. VERON's PA1TK will be responsible for this.

Proposed by VERON, seconded by USKA. Approved unanimously.

#### **SC11\_C5\_Rec\_12 - SC11\_C5\_24**

##### **ATV Contest**

**“The contest will compromise two sections on each UHF/microwave band on which ATV transmissions are authorised:”**

- **Section 1 (no changes)**
- **Section 2 (no changes)**

**"A station operating under section 1 on any single band will automatically be classified also as such on the other bands where ATV is allowed."**

Proposed by SARL, seconded by VERON. Approved with two against.

#### **SC11\_C5\_Rec\_13 - SC11\_C5\_25 and SC11\_C5\_28**

##### **Contest rules**

**Any error in the exchanged information logged by a station is liable to result in the loss of all points for that contact for both correspondents (receiving and transmitting station); subject to review and confirmation by the contest organiser.**

Proposed by UBA, seconded by CRC. Approved with one abstention.

#### **SC11\_C5\_Rec\_14 - SC11\_C5\_26**

##### **Contest rules**

**Current rule in chapter 5.3.11 should be changed to:**

**The 144,500 – 144,700 MHz segment may also be used for contest QSOs during the Sub-regional contests on the coordinated dates and during IARU Region I VHF contest as the extension to the currently used segment 144,000 – 144,399 MHz.**

- **The use of this extension or part thereof must be clearly specified and published in the contest rules.**
- **The extension is time limited from 1 January 2012 to 31 December 2014 unless renewed by a future conference decision.**

**Thus C5 recommends that the 144 all-mode segment may be utilised for the contests. The bandplan is already clear on the allocations.**

Proposed by VERON, seconded by AARA. Approved unanimously.

#### **SC11\_C5\_Rec\_15 - SC11\_C5\_27**

##### **Frequency coordination process**

- 1. Coordination with the national society first.**
- 2. For cross-border disputes to co-ordinate with the neighbouring societies relevant coordinators.**
- 3. In the event of escalating to the national regulator; that all the affected societies to be informed. This should only be the last resort if steps one and two fail.**

Proposed by SARL, seconded by ROARS. Approved unanimously.

**SC11\_C5\_Rec\_16 - SC11\_C5\_30 and SC11\_C5\_43**

**1 minute mixed beacon mode (CW and MGM) and Beacon Guidance. Based on the information and original proposals in Papers SC11\_C5\_30 and 43, that the existing guidance on beacons in the VHF Managers handbook be updated as follows:-**

**Simple 30 and 60 second Messages**

|       |         |
|-------|---------|
| CW ID | Carrier |
| 0s    | 30s     |

|       |         |     |       |
|-------|---------|-----|-------|
| CW ID | Carrier | 'S' | Other |
| 0s    | 30      |     | 60s   |

**MGM Mixed Mode**

|     |       |         |     |       |       |
|-----|-------|---------|-----|-------|-------|
| MGM | CW-ID | Carrier | 'X' | Other | CW-ID |
| 0s  | 30    | 60s     | 90  |       | 120s  |

**MGM Mixed Mode**

|     |       |         |
|-----|-------|---------|
| MGM | CW-ID | Carrier |
| 0s  |       | 60s     |

**MGM Mixed Mode**

|     |       |         |       |
|-----|-------|---------|-------|
| MGM | CW-ID | Carrier | CW-ID |
| 0s  |       |         | 60s   |

**MGM**

|     |       |
|-----|-------|
| MGM | CW-ID |
| 0s  | 60s   |

**Add the following extra guidance to 11.1.6 on Operation:**

- IARU Region-1 encourages best practice for both timing/frequency accuracy and phase noise to enhance general performance for the benefit of all.
- That development of new modes optimised for beacons are encouraged, which may either enhance DX reception or permit more efficient equipment (and thus lower electricity costs) to enhance sustainability
- That National Societies and IARU-R1 coordinators be kept updated on such developments.

**Add to 11.1.4 on Frequency:**

- Should MGM also be used by a beacon, the nominal MGM tone (e.g. for sync, JT4 tone-0 etc), should be exactly as per the nominal carrier frequency

Recommended by MARS, seconded by USKA. Approved unanimously.

**SC11\_C5\_Rec\_17 - SC11\_C5\_17 and SC11\_C5\_29**

**23 cm Band plan was taken to a sub-working group and summarised:**

**Recommendation is that the 1 298 -1 300 MHz part of 23 cm band plan be updated as follows to -**

| Frequency, MHz | Max BW | Mode      | Usage   |
|----------------|--------|-----------|---|
| 1298.000       | 20 kHz | All modes | General mixed analogue or digital use in channels |

| Frequency, MHz       | Max BW  | Mode      | Usage  |
|----------------------|---------|-----------|--|
| 1299.000             |         |           | 1298.025 MHz (RS1)<br>1298.975 MHz (RS39)  |
| 1299.000<br>1299.750 | 150 kHz | All modes | Arranged as 5 x 150 kHz channels for high speed Digital Data (DD) usage:-<br>Centres : 1299.075, 1299.225, 1299.375, 1299.525, 1299.675 MHz (+/- 75 kHz) |
| 1299.750<br>1300.000 | 20 kHz  | All modes | 8 x 25 kHz Channels (available for FM/DV use) : Centres: 1299.775 - 1299.975   |

Proposed by HRS, seconded by EDR. Approved unanimously.

#### SC11\_C5\_Rec\_18 - SC11\_C5\_32

70 MHz Band plan was taken to a sub working group and summarised:  
The 70 MHz band is increasingly recognised as being appropriate for amateur allocations. In the CEPT area this progress is now recognised in the European Common Allocation table by footnote EU9 which states:

EU9: "In a growing number of CEPT countries, parts of the band 70.0 - 70.5 MHz is also allocated to the Amateur service on a secondary basis."

In addition, it is worth noting that there is some experimental access on a national basis in the range 69.9 - 70.0 MHz in cases where 70.0 - 70.5 MHz is not available.

#### 70 MHz Band plan

| Frequency        | Bandwidth | Mode                               |  | Usage  |
|------------------|-----------|------------------------------------|--|--|
| 70.000<br>70.090 | 1000 Hz   | Telegraphy<br>MGM                  |  | Coordinated Beacons  |
| 70.090<br>70.100 | 1000 Hz   | Telegraphy<br>MGM                  |  | Personal beacons<br>70.091 MHz +/- 500 Hz<br>WSPR beacons                                |
| 70.100<br>70.250 | 2700 Hz   | Telegraphy,<br>SSB,<br>MGM         | 70.200<br>70.250                       | CW/SSB Calling<br>MS calling   |
| 70.250<br>70.300 | 12 kHz    | All modes                          | 70.260<br>70.270                       | AM/FM calling<br>MGM activity centre   |
| 70.300           | 12 kHz    | All modes                          | 70.300                                 | RTTY/FAX   |
| 70.300<br>70.500 | 12 kHz    | FM channels<br>12.5 kHz<br>spacing | 70.3125<br>70.325<br>70.450<br>70.4875 | Digital communications<br>Digital communications<br>FM calling<br>Digital communications |

Proposed by AARA, seconded by USKA. Approved with five abstentions.

#### SC11\_C5\_Rec\_19 - SC11\_C5\_36

##### Additional 2 m Digital Voice Channels

For 2 new repeater frequencies as follows (analogue and digital):

- 144,9750 MHz and 144,9875 MHz as inputs

- **145,5750 MHz and 145,5875 MHz as outputs**

Proposed by SARL, seconded by HRS. Approved with twenty seven in favour, fourteen against and seven abstentions.

**SC11\_C5\_Rec\_20 - SC11\_C5\_38**

**Addition of the CTCSS frequency 67 Hz in table FM.2.1**

**Add tone 67Hz – but remove letter designations**

Proposed by UBA, seconded by USKA. Approved unanimously.

**SC11\_C5\_Rec\_21 - SC11\_C5\_39**

**CTCSS Sub Audio Tones for Analogue Repeater Control**

**To minimise mutual unwanted interference, all FM repeaters will incorporate CTCSS tones on receivers as well as on transmitters. The transition period ends by the end of 2014.**

Proposed by OeVSV, seconded by VERON. Approved with two against.

**SC11\_C5\_Rec\_22 - SC11\_C5\_41**

**134 GHz Operation and Band Plan**

- **134 GHz Primary allocation is favoured relative to the 122 GHz and other adjacent secondary allocations**
- **134.001 GHz is no longer supported and be removed from the band plan**
- **The centre of narrowband activity in the band plan is 134.928 GHz to 134.930 GHz**

Proposed by EDR, seconded by AARA. Approved unanimously.

**SC11\_C5\_Rec\_23 - SC11\_C5\_44**

**VHF Handbook Satellite Chapter**

**Removal of the existing Satellite chapter and replace with the attachment of paper 44.**

Proposed by HRS, seconded by RSGB. Approved unanimously.

**SC11\_C5\_Rec\_24 - SC11\_C5\_45**

**Band plan Section-4 of the VHF Managers Handbook**

- **1240 MHz: Delete the FSK441 mode-specific designation at 1296.370 for meteor scatter as there is little evidence of usage**
- **1240 MHz: Change all instances of 12 kHz maximum bandwidth to 20 kHz to reflect the reality that almost all equipment is not narrowband-FM etc and the spacing is 25 kHz in any case**
- **2300 MHz: Amend the Mode column from specific Telegraphy or SSB modes to become more generic maximum bandwidths**  
**2320.000 – 2320.150: BW: 500 Hz**  
**2320.150 – 2320.800: BW: 2700 Hz**
- **3400 MHz: Delete digital communications designations at 3420-3430 and 3450-3455 MHz as very few countries have access to these frequencies.**

**Most allocations are based on the CEPT EU17 footnote, which only allocates 3400-3410 MHz.**

- **24 GHz: Correct a typographical error. Local beacons should be at 24048.750 – 24048.800 (the Handbook has the upper frequency as 24049.800 by mistake)**

Proposed by EDR, seconded by CRC. Approved unanimously.

**SC11\_C5\_Rec\_25 - SC11\_C5\_46**

**Microwave Contest Multipliers**

**To update and amend the Scoring Rules Multiplier table (to x 4 for 122 GHz and x 8 for 134 GHz)**

Proposed by UBA, seconded by SARL. Approved unanimously.

**SC11\_C5\_Rec\_26 - SC11\_C5\_48**

**IARU satellite coordinator co-worker**

**Willi Vollenweider, HB9AMC, prepared the paper. Stefan L. Streif, HB9TTQ, introduced the paper. Graham, G3VZV, confirmed the need for this support. It would be best to involve Hans van de Groenendaal, ZS6AKV (the current coordinator) in this regard. Then ask Willi, HB9AMC, to contact Hans directly to work together in developing the youth satellite programme. Stefan Dombrowski, ON6TI, can also be involved.**

**Hans, ZS6AKV, will be asked to include Willi and Stefan as co-workers into the Satellite ground station network for university satellite projects.**

Proposed by USKA, seconded by SARL. Approved unanimously.

**SC11\_C5\_Rec\_27 - SC11\_C5\_49**

**Contest Robot**

**It is herewith proposed that the already existing evaluation tool be put into operation with immediate effect (as of January 2012), and be improved on in a systematic process. It is better to use a very fast, but not yet perfect tool, so that an immediate ranking can be established within minutes after four weeks.**

**There will be two ways to upload the logs.**

- a) the restricted input gate for contest and VHF managers who already checked the logs,**
- b) the open individual gate for individual amateurs not able to use (a). These logs are to be checked manually before processing.**

**The final evaluation is the responsibility of the organizing society.**

Proposed by OeVSV, seconded by SSA. Approved unanimously.

**SC11\_C5\_Rec\_28 - Papers SC11\_C5\_14 and 15 and 33 and 40 and 47 (50 MHz band plan and footnotes) was taken to a sub working group and summarised**

- **The revised 6 m band plan shall be implemented after final approval.**

- Band plan is active immediately after the final plenary meeting of this conference Sun City 2011, the beacons shall be allowed 3 years for implementation.

### 50 - 52 MHz BAND PLAN

| Frequency          | Maximum Bandwidth | Mode  | Usage   |
|--------------------|-------------------|---|---|
| 50000<br><br>50100 | 500 Hz            | Telegraphy <b>exclusive (except Beacon Project)</b> | 50.000 - 010 Region-1 *<br>50.010 - 020 Region-2 *<br>50.020 - 030 Region-3 *<br>* Reserved for future Synchronised Beacon Project (b)<br>50.050 CW future International calling<br>50.090 CW Intercontinental calling (c)  |
| 50100<br><br>50200 | 2700 Hz           | SSB<br>Telegraphy                                   | International preferred<br>50.100 - 130 Intercontinental section<br>50.110 Intercontinental calling (c)<br>50.130 - 200 General international<br>50.150 International centre of activity  |
| 50200<br><br>50300 | 2700 Hz           | SSB<br>Telegraphy                                   | General usage<br>50.285 for crossband   |
| 50300<br><br>50400 | 2700 Hz           | MGM<br>Narrowband<br>Telegraphy                     | 50.305 PSK Centre of activity<br><br>50.310 - 320 EME<br>50.320 - 380 MS  |
| 50400<br><br>50500 | 1000 Hz           | MGM<br>Telegraphy                                   | Beacons exclusive<br>50.401 MHz +/- 500 Hz WSPR Beacons   |
| 50500<br><br>52000 | 12 kHz            | All Modes   | 50.510 SSTV<br>50.540 - 580 Simplex FM Internet Voice Gateways<br>50.550 Image frequency<br>50.600 RTTY<br>50.620 - 750 Digital communications<br>50.630 DV calling<br>51.210 - 390 FM/DV Repeater Inputs,<br>20 kHz spacing (e)<br>51.410 - 590 FM/DV Simplex (f)<br>51.510 FM calling frequency<br>51.810 - 990 FM repeaters output channels,<br>20 kHz spacing (e) |

#### DV = Digital Voice

Proposed by ARA, seconded by SSA. Approved unanimously.

SC11\_C5\_Rec\_29 - Papers SC11\_C5\_19, SC11\_C5\_20 and SC11\_C5\_42 (23 cm Band) was taken to a sub working group and summarised:

That the 1 298 – 1 300 MHz part of 23 cm band plan be updated as follows to -

| Frequency, MHz           | Max BW  | Mode      | Usage  |
|--------------------------|---------|-----------|--|
| 1298.000<br><br>1299.000 | 20 kHz  | All modes | General mixed analogue or digital use in 25 kHz channels<br>1298.025 MHz (RS1)<br>1298.975 MHz (RS39)                |
| 1299.000<br>1299.750     | 150 kHz | All modes | Arranged as 5 x 150 kHz channels for high speed Digital Data (DD) usage:-<br>Centres : 1299.075, 1299.225, 1299.375, |



|                      |       |           |  |
|----------------------|-------|-----------|--|
|                      |       |           | 1299.525, 1299.675 MHz (+/- 75kHz)   |
| 1299.750<br>1300.000 | 20kHz | All modes | 8x25kHz channels (available for FM/DV use) :<br>Centres: 1299.775-1299.975 |

Proposed by AARA, seconded by UBA. Approved unanimously.

This concluded the discussion of matters from Committee C5

### **Appointment of Committee and Working Group Chairmen and Coordinators**

#### **SC11\_C3\_Rec\_06**

**That Thilo Kootz, DL9KCE, be appointed as chairman of the Political Relations Committee.**

Proposed by IRTS, seconded by SSA. Approved unanimously.

#### **SC11\_C3\_Rec\_08**

**That Oliver Tabakovski, Z32TO, be appointed as chairman of the HST WG.**

Proposed by MRASZ, seconded by CRC. Approved unanimously.

#### **SC11\_C3\_Rec\_12**

**That Peter Frey, HB9MQM, be appointed as Regulatory Affairs co-ordinator.**

Proposed by USKA, seconded by AARA. Approved unanimously.

#### **SC11\_C3\_Rec\_14**

**That Rizkallah Azrak, OD5RI, be appointed IPHA Coordinator.**

Proposed by BFRA, seconded by EARS. Approved unanimously.

#### **SC11\_C3\_Rec\_15**

**That Wolfgang Hadel, DK2OM, be appointed chairman of the IARU MS WG**

Proposed by IRTS, seconded by VERON. Approved unanimously.

#### **SC11\_C3\_Rec\_18**

**That Dennis Tomiola, HB9EPA, be appointed as Public Relations Co-ordinator**

Proposed by OeVSV, seconded by IARC. Approved unanimously.

#### **SC11\_C3\_Rec\_20**

**That Christian Verholt, OZ8CY, be appointed as EMC WG Chairman for a further three year period.**

Proposed by NRRL, seconded by VERON. Approved unanimously.

**SC11\_C3\_Rec\_18**

**That Greg Mossop, G0DUB, be appointed IARU Region 1 Emergency Communications Coordinator for a further three-year period.**

Proposed by IRTS, seconded by AARA. Approved unanimously.

**SC11\_C3\_Rec 27**

**That Gaston Bertels, ON4WF, be appointed as chairman of the ARSPEX WG for a further three year period.**

Proposed by EARS, seconded by UBA. Approved unanimously.

**SC11\_C3\_Rec\_28**

**That, Jean-Jacques Niava, TU2OP be appointed as chairman of the STARS WG for the next three-year period.**

Proposed by ARTJ, seconded by ARAS. Approved unanimously.

**SC11\_C4\_Rec\_14**

**That Ulrich Mueller, DK4VW, be appointed as HF Chairman.**

Proposed by VERON, seconded by BFRA. Approved unanimously.

**Other Recommendations (not numbered from the Committee final reports)**

**That Michael Kastelic, OE1MCU, be appointed Chairman, VHF/UHF/Microwave Committee:**

Proposed by USKA, seconded by CRC. Approved unanimously.

**That Martin Harrison, G3USF, be appointed HF Beacon Coordinator**

Proposed by AARA, seconded by VERON. Approved unanimously.

This concluded the appointments agreed at Conference

Results of the election of the ARDF WG Chairman

|                         |          |
|-------------------------|----------|
| Rainer Floesser, DL5NBZ | 32 votes |
| Dusan Ceha, YU1EA       | 22 votes |

Rainer Floesser, DL5NBZ, is hereby appointed as chairman of the ARDF WG.

Results of the voting for the 2014 Conference venue

|                             |          |
|-----------------------------|----------|
| St Petersburg, Russia       | 5 votes  |
| Varna, Bulgaria             | 41 votes |
| Maastricht, the Netherlands | 8 votes  |

The 2014 General Conference of IARU Region 1 will be held in Varna, Bulgaria.

## **Results of the election for members of the Executive Committee**

The Chairman of the Election and Ballot Committee announced the voting for members of the Executive Committee, to serve for the next three-year period.

|  |          |
|--|----------|
| For the post of President: Hans Blondeel Timmerman, PB2T | 46 votes |
| For the post of Vice-President: Hani Raad, OD5TE         | 50 votes |
| For the post of Secretary: Dennis Green, ZS4BS           | 49 votes |
| For the post of Treasurer: Andreas Thiemann, HB9JOE      | 53 votes |

For ordinary members of the Executive Committee:

|                        |          |
|------------------------|----------|
| Panayot Danev, LZ1US   | 31 votes |
| Nicola Percin, 9A5W    | 35 votes |
| Betty Magnin, F6IOC    | 22 votes |
| Colin Thomas, G3PSM    | 39 votes |
| Thilo Kootz, DL9KCE    | 40 votes |
| Anders Larsson, SM6CNN | 34 votes |
| Afif Benlagha 7X2RO    | 21 votes |

The Executive Committee for the next three years will therefore comprise:

Hans Blondeel Timmerman, PB2T  
Hani Raad, OD5TE  
Dennis Green, ZS4BS  
Andreas Thiemann, HB9JOE  
Thilo Kootz, DL9KCE  
Nicola Percin, 9A5W  
Colin Thomas, G3PSM  
Anders Larsson, SM6CNN  
Panayot Danev, LZ1US

The Roy Stevans, G2BVN Memorial Trophy

The Roy Stevens, G2BVN, memorial Trophy is awarded to Tafa, Diop, 6W1KI.

The meeting was closed at 12:15