

**SUMMARY RECORD, ADMINISTRATIVE COUNCIL
INTERNATIONAL AMATEUR RADIO UNION
Meeting in Albena, Bulgaria
27 & 28 September 2014**

1. The Thirty-Seventh meeting of the Administrative Council of the International Amateur Radio Union was called to order at 0900 local time Saturday, 27 September 2014, at the Hotel Flamingo Grand, Albena, Bulgaria, by IARU President Tim Ellam, VE6SH/G4HUA. Also present were the following members: Ole Garpestad, LA2RR, Vice President; Rod Stafford, W6ROD, Secretary; Hans Blondeel Timmerman, PB2T, President and Dennis Green, ZS4BS, Secretary, IARU Region 1; Reinaldo Leandro, YV5AM, President and José Arturo Molina, YS1MS, Secretary, IARU Region 2; and Gopal Madhavan, VU2GMN, Chairman, and Wisnu Widjaja, YB0AZ, Director, IARU Region 3. At the invitation of the Council, also present were Ramón Santoyo, XE1KK, observer and Vice President from IARU Region 2 and Don Beattie, G3BJ, observer and President-elect of Region 1. David Sumner, K1ZZ, was present as Recording Secretary.
2. A moment of silence was observed for radio amateurs and friends who have died since the previous meeting of the Administrative Council, including John Huntoon, W1RW, Francisco Fischner, YS1FAF, R.J. "Tim" Hughes, G3GVV, Hubert Walcott Benjamin, Sr., EL2BA, Max de Henseler, HB9RS, and Wes Wysocki, SP2DX.
3. The following agenda was approved:

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1. Opening of meeting by the President
 2. Administrative Council Members, Meeting Arrangements and Moment of Silence
 - 2.1. Meeting Participants
 - 2.2. Meeting Arrangements
 - 2.3. Moment of Silence
 3. Approval of Agenda
 4. Reports of the officers
 - 4.1. Report of the President – Mr. Ellam
 - 4.2. Report of the Vice President – Mr. Garpestad
 - 4.3. Report of the Secretary – Mr. Stafford
 5. Reports from the regional organizations
 - 5.1. Region 1
 - 5.1.1. Youngsters on the Air 2014 Presentation
 - 5.1.2. Report on ATU Meeting – Harare, Zimbabwe
 - 5.1.3. Harare Declaration
 - 5.2. Region 2
 - 5.3. Region 3
 6. Review of written reports of International Coordinators and Advisers
 - 6.1. IARU Beacon Project Coordinator – Mr. Jennings
 - 6.2. IARU Satellite Adviser – Mr. van de Groenendaal
 - 6.2.1 ITU-R Director Rancy Letter re API Number
 - 6.3. IARU EMC Adviser – Mr. Verholt
 - 6.4. IARU Int'l Coord. for Emergency Communications – Mr. Zimmermann
 - 6.5. IARU EMC Coordinator - Mr. Kootz

7. ITU and related issues
 - 7.1. ITU Radiocommunication Sector (ITU-R)
 - 7.1.1. ITU-R SG and WP Meetings
 - 7.1.1.1. WP5A,B,C
 - 7.1.1.2. SG1/WP1A,B,C
 - 7.1.1.3. WP7B
 - 7.2. WRC-15 – 2-27 November 2015 – Geneva
 - 7.2.1. Preliminary CPM Text Concerning Amateur Agenda Items
 - 7.2.2. Review IARU Positions on WRC-15 Agenda Items
 - 7.2.3. WRC-15 Assistance from Member-Societies
 - 7.2.4. WRC-15 Team and Logistics
 - 7.2.5. Future WRC Agenda Items
 - 7.2.5.1. Region 1 Input Paper to CEPT
 - 7.3. ITU Development Sector (ITU-D)
 - 7.4. ITU Telecoms
 - 7.4.1. Telecom 2013
 - 7.4.2. Telecom 2014
 - 7.5. ITU Plenipotentiary Conference -2014
 - 7.6. ITU Council -2014
 - 7.7. ITU Academy/SMTP
 - 7.8. ITU-D SSDM (Smart Sustainable Development Model)
 - 7.9. ITU Fee Exemption
8. Strategic planning
 - 8.1. Review of Plan for Development and Support of Amateur Radio Frequency Allocations for 2012-2017
 - 8.2. Consideration of Action Plan for 2014-2015
 - 8.3. Future Spectrum Committee
9. ITU and regulatory/spectrum defense matters not previously discussed
 - 9.1. Review of spectrum requirements document
 - 9.1.1. Allocation for IPv6 for Amateur Radio
 - 9.2. Reported Interference to Galileo receivers by 23 cm ATV Repeaters
 - 9.3. Other spectrum defense matters
10. Operational and administrative matters
 - 10.1. Relations with Member Societies
 - 10.1.1. Tunisia - Member Society
 - 10.1.2. Applications for IARU Membership
 - 10.2. Expert Consultants and Technical Representatives
 - 10.2.1. IARU Contact List
 - 10.3. 2015-2017 budget and review of 2013 and 2014 budgets
 - 10.4. World Amateur Radio Day 2015
 - 10.4.1. Designation of Theme for 2015
 - 10.4.2. IS Support for WARD
 - 10.5. Handbook for Experts/Consultants attending meetings for IARU
 - 10.6. Administrative Council actions since last in-person meeting
 - 10.7. Emergency Communications
 - 10.7.1. IARU EMCOMM Guide
 - 10.7.2. IARU EMCOMM Strategy
 - 10.8. Second Society Issues
 - 10.9. Amateur Radio Administration Course – 2014/2015

- 10.10. VK3KI Award
 - 10.11. ITU SG and WP Meeting Monitoring
 - 10.12. Issues Arising from Region 1 Conference
 - 10.12.1. CW Procedure and Ethics Guide
 - 10.13. Worked All Continents Boundary Change
 - 10.14. Other operational and administrative matters
 11. Review of Resolutions and Policies
 12. Any other business
 13. Determination of place and dates of next meeting of Council
 14. Drafting and approval of news release covering meeting, and adjournment
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4. Reports of the officers

4.1. In his written report and in his oral remarks, President Ellam thanked each of the Council members for their support for his candidacy as President for a second term. He reviewed his activities over the past year and particularly his meetings with member-societies. He noted his attendance at the 2014 Dayton Hamvention, 2014 DARC HamRadio in Friedrichshafen, Germany and the Region 3 Directors meeting in Brisbane, Australia. He also noted his planned travel for the rest of 2014. In his written report, President Ellam set out a number of issues that need to be addressed in the near future by the Council including, ITU Financial Issues, IARU Finances, Succession Planning for IARU Experts and Technical Consultants, Second Society Issues, Future WRC Amateur Radio Related Agenda Items and Council meetings separate from regional conferences.

4.2. Vice President Garpestad in his written report and his oral remarks thanked the Council for nominating him and supporting him for a second term as Vice President. He reviewed his activities since the last Council meeting. He highlighted his trip to Poland to attend a PZK meeting where he presented the Michael Owen Award to Wojciech Nietyksza, SP5FM. He mentioned he was able to attend the 2014 Region 2 Executive Committee, the ARRL Centennial Celebration and the ARRL Board of Directors meeting, all of which took place in Connecticut in mid-July, 2014. He noted his attendance at the 2014 DARC HamRadio in Friedrichshafen where he was able to spend the time meeting and talking with member-society leaders in attendance. He attended the 17th ARDF World Championships in Kazakhstan just prior to the Council meeting. He noted that his main focus in the last year has been the issues that will arise at WRC-15. He attended both ITU-R WP5A meetings since the last Council meeting. He stressed the importance of obtaining support from administrations for the IARU positions on the WRC agenda items. He also mentioned his work with the Future Spectrum Committee and maintaining liaison with the Satellite Adviser and his panel on frequency management for satellites.

4.3. In his written report Secretary Stafford highlighted his work as secretary including handling routine correspondence and requests from member-societies and individuals. He attended the 2014 ARRL Annual Meeting in January and had the opportunity to discuss various IARU issues with several of the directors and officers of the ARRL. He stressed the importance of attending the ARRL meetings since the ARRL serves as the International Secretariat. He noted participation in the DARC

HamRadio in Friedrichshafen and the 2014 Dayton Hamvention and in the ITU-D World Telecommunication Development Conference (WTDC) in Dubai in early 2014.

5. Reports from regional organizations

5.1. Region 1. Hans Blondeel Timmerman, PB2T, Region 1 President, presented the IARU Region 1 written report. The written report detailed the annual meeting of the R1 Executive Committee in Ponta Delgado, The Azores. He noted two new applications for IARU membership from Kosovo and Rwanda. The Region 1 Executive Committee also reviewed the member-society status of Tunisia. Planning for the R1 Conference was progressing well. The report mentioned that a very successful Youth meeting was held at the DARC HamRadio in Friedrichshafen. The Council studied the presentation entitled “Youngsters On The Air – Finland 2014” and reviewed the activities related to this event going back to 2011. The Council reviewed the Hamsphere Initiative and postponed taking any action until further information was received from the project leaders. The Council also reviewed the report and the accompanying documents by Dennis Green regarding his attendance at the African Telecommunications Union meeting in Zimbabwe in July, 2014. In his oral remarks, Mr. Blondeel Timmerman noted the work of the Region 1 Political Relations Committee and work with the ATU, the regional telecommunications organization for Africa.

5.2. Region 2. Reinaldo Leandro, YV5AM, Region 2 President, presented the Region 2 written report. The report noted the successful 2013 Region 2 General Assembly in Cancun, Mexico. The officers and area directors were elected at the Cancun General Assembly. The report mentioned the Region 2 Executive Committee meeting in Connecticut in conjunction with the ARRL Centennial Celebration. The report stated that the Region 2 Area Directors are committed to maintaining close contact with the member-societies within their area. The written report detailed the various areas within the region and the status of the member-societies within each area. The report mentions that the financial status of the region is very good and that yearly audited statements are received by the Region 2 EC each year. The next R2EC meeting will take place in Bogota, Colombia in 2015 and the next triennial conference will be held in Chile in 2016. Mr. Leandro mentioned Region 2 set up a Paypal account to make it easier for member-societies to pay dues. He mentioned that for the most part the Region 2 member-societies were doing well in their activities and their financial matters. He commented on Region 2 participation in CITEL and on the likelihood that CITEL would have an Inter-American Proposal for WRC-15 Agenda Item 1.4 dealing with a secondary amateur allocation near 5 MHz. He stated that IARU Vice President Garpestad attended the Region 2 Executive Meeting in July 2014 and gave a presentation on the WRC process and the need for member-societies to contact their administrations for support for the amateur radio items on the WRC-15 agenda.

5.3. Region 3. Gopal Madhavan, VU2GMN, Chairman of Region 3, presented the Region 3 report to the Council. The report detailed the R3 Directors’ meeting in Brisbane, Australia in June, 2014. The report mentions that the next R3 triennial conference will be held in Yogyakarta, Indonesia 12-16 October, 2015. The

report details the actions of the Asia Pacific Telecommunity Preparatory Group regarding preparations for WRC-15, especially regarding Agenda Item 1.4. There is a draft MOU between Region 3 and the APT that will likely be voted on at the APT General Assembly in November, 2014. The report contained comments from the R3 Disaster Communications Committee Chairman about amateur involvement in the Pakistan earthquake in September, 2013, the cyclone in India in October 2013, the Philippine earthquake in October, 2013 and the typhoon in the Philippines in November, 2013. The written report also notes the relocation of the Region 3 Secretariat.

6. Review of Written Reports of International Coordinators and Advisers

6.1. The extensive written report of IARU International Beacon Project (IBP) Coordinator Peter Jennings, AB6WM/VE3SUN, on the status and plans for the IBP was reviewed by the Council, including a progress report on the implementation of the IBP 2.0 Project. The Council approved a contribution of \$1,000.00 for the beacon project for maintaining the project. The Council thanked the IBP Coordinator and volunteers involved in the beacon project. The Council noted the report included some thoughts on the operation of the beacon system in the future and especially the section of the report detailing the Automated Beacon Monitoring Project and the Reverse Beacon Network. The Council will follow up with some further questions to the IBP Coordinator and the volunteers working in the project dealing with future IARU support for the project. The report detailed the current status of all the beacons operating in the IBP.

6.2. IARU Satellite Adviser Hans van de Groenendaal, ZS6AKV, provided a written report on satellite matters. His written report asks the Council for guidance regarding additional spectrum for satellites in the two-meter band. The Council observed that all three IARU regions approved the two-meter satellite frequencies and that the Council will encourage Region 3 to seek regulatory changes in Region 3 countries that do not allow satellite usage within the two-meter band segment approved by the regions. The status of the QB50 project was set out in the report. ZS6AKV noted some problems regarding the understanding of administrations about the amateur satellite service and the problem of administrations directing frequency applications for satellites with scientific payloads to the amateur service. He suggested that IARU intervention is needed to motivate member-societies to engage their administrations where these concerns can be addressed. The advisory panel process continues to work well. The Council also reviewed a letter from the Director of the ITU-R expressing his thanks for the IARU attempts to gain compliance with satellite registration requirements by administrations to supply ITU Advance Publication Information (API) numbers as a part of the IARU frequency coordination process. Vice President Garpestad commented about the satellite registration process and stated it was very important that the ITU requirements for notification of satellite projects through the API (Advanced Publication Information) procedure be complied with. Mr. Blondeel Timmerman will work with administrations attending the ITU-R WP7B meetings on an overview of necessary notification procedures including the IARU frequency coordination process. Mr. Sumner indicated that the ARRL is working with the FCC to arrive at a common understanding of how to deal with experimental satellites in the amateur bands. Council will encourage the member-

societies to work with their administrations to make regulators aware of the amateur radio satellite regulations.

6.3. The report of EMC Adviser Christian M. Verholt, OZ8CY was received and reviewed. The report set out the activities of the EMC Adviser related to the various CISPR committees since the last Council meeting. The next CISPR meeting will take place in Frankfurt, Germany in October, 2014.

6.4. The Administrative Council reviewed the report of IARU International Coordinator for Emergency Communications Hans Zimmermann, F5VKP/HB9AQS. He noted that the ITU-D Handbook on Emergency Telecommunications rewrite was completed but he is disappointed that the 2005 version is still being sold and promoted by the ITU. He also noted disappointment that the "online toolkit" that was supposed to be developed by ITU-D has had no follow-up. The report also set out Mr. Zimmermann's activities in his IARU capacity, including attendance at the DARC HamRadio in Friedrichshafen, Germany and his assistance in the preparations for GAREC 2014 in Huntsville, Alabama USA as part of the Huntsville ARRL Convention. He again suggests the Council give serious consideration to the appointment of an IARU PR or media advisor or coordinator particularly for promoting the role of amateur radio in disaster response and mitigation. The Council will further consider the need for a PR person as Mr. Zimmermann suggested. He notes that the operational aspects of emergency communications are becoming more of a national and regional nature.

6.5. The Council reviewed the written report from Thilo Kootz, DL9KCE, the IARU EMC Coordinator. His report outlines his activities since the last Council meeting and details some aspects of the CISPR work including standards for LED lamps and Plasma TVs. Based on Mr. Kootz's recommendations, the Council will take steps to encourage the member-societies to keep abreast of EMC developments and recognize the importance of having a person within the member-society that is knowledgeable about EMC matters. The Council will also encourage Regions 2 and 3 to adopt EMC standards similar to those adopted by Region 1. The Council adopted IARU Resolution 14-1 ("concerning the protection of the radio spectrum as a natural resource") dealing with EMC issues related to the radio spectrum and which encourages IARU member-societies and regional organizations to pursue implementation of this resolution as a matter of high priority, requests standard-setting bodies and regulators to fully support this objective and implores designers and manufacturers to make every reasonable effort to minimize radio spectrum pollution emanating from their products. The resolution is attached hereto as Attachment 1.

7. ITU and related issues

7.1. ITU Radiocommunication Sector (ITU-R)

7.1.1. ITU-R SG and WP Meetings

7.1.1.1. WP5ABC and SG5. Vice President Garpestad's written report details the work of ITU-R Working Parties 5 A, B and C (WP5ABC)

and specifically the work of WP5A Working Group 1, which deals with issues of relevance to the amateur and amateur satellite services. His written report discussed the two WP5ABC meetings since the last Council meeting and the progress of Agenda Item 1.4 (5 MHz) and other amateur related agenda items. Agenda item 1.4 proposes a secondary allocation to the amateur radio service in the range of 5.250-5.450 MHz to better serve the needs of Public Protection and Disaster-Relief communications. Progress has been made on the working document towards a Preliminary New Draft Report (PNDR) on the compatibility studies undertaken to assess sharing and compatibility issues between the proposed amateur allocation around 5.300 MHz and the incumbent users and services in the adjacent bands. He reported that it was agreed among the IARU representatives to support a proposal from the USA and Canada to omit the 5.250-5.275 MHz segment from the proposed allocation due to the action taken at WRC-12 designating an allocation to oceanographic radars within that band segment. The report outlines efforts to obtain favorable CPM text for this agenda item. The written report also discusses the other agenda items that may impact amateur radio including 1.18 (automotive radiolocation allocation 77.5-78 GHz) as well as 6.1.1 and 1.12 related to the 10 GHz amateur allocation. Mr. Garpestad also made the Council aware that the revised ITU Handbook on the Amateur and Amateur Satellite service is now available from ITU for free download.

7.1.1.2. WP1ABC and SG1. The Council reviewed the report of Ian Greenshields, G4FSU, IARU Expert Consultant. His report discussed the activities of ITU-R SG1 and WP1ABC since the last Council meeting. The report notes that the main priority in covering the meetings was WP1A, specifically WG 1A1 (Coexistence of wired telecommunication with radiocommunication systems, including PLT systems) and WG1A2 (Wireless Power Transfer, radio service protection and unwanted emissions) as these are currently seen as having the most important implications to the amateur service. The report sets out a number of recommendations that IARU should consider including documenting increased HF noise floor levels, a PDNR on technology trends in the bands above 275 GHz, increased monitoring of Wireless Power Transfer technologies and continued opposition to PLT.

7.1.1.3. ITU-R WP7B. The Council reviewed the report of Hans Blondeel Timmerman, PB2T, related to ITU-R WP7B. His report mentions that the current view is that small satellites must operate in their own part of the spectrum and following the rules related to satellites. He recommends that efforts should be undertaken to help increase knowledge and raise awareness about the applicable regulatory procedures for satellites networks among those entities involved in the development and launch of nano-satellites and pico-satellites. In his oral remarks, Mr. Blondeel Timmerman mentioned that satellite project leaders expressed concern about the long time that frequency coordination takes. He stated that in many cases the lengthy delay is due to the project leaders not making themselves aware of the process and the regulations related to satellite registration and the frequency coordination process.

7.2. WRC-15

7.2.1. Preliminary CPM Text for WRC-15. Vice President Garpestad presented his written report on efforts to obtain favorable text in the CPM report. His report notes that by the end of July, 2014, all ITU working parties had finished their CPM text in preparation for WRC-15. The CPM text gives all possible methods to satisfy the various WRC agenda items. The last chance for changes in the text will be during the CPM meeting at the end of March, 2015. Possible changes are expected to be more related to the text justifying the methods and not so much to the methods themselves. The written report sets out the various CPM methods for all the agenda items that may impact amateur radio. The report suggests certain actions be taken to achieve a favorable outcome from the WRC, especially regarding agenda item 1.4, including involving the member-societies in lobbying their administrations to take action in support of the IARU positions at WRC-15.

7.2.2. IARU Positions on WRC-15 Agenda Items. The Council reviewed the IARU paper that sets out positions on each of the WRC-15 agenda items that relate to amateur radio or may have an impact on amateur radio. These positions were adopted by the Council in 2013. The Council made modifications to the positions paper related to justifications for the IARU positions. The IARU positions on WRC-15 agenda items that are related in some way to amateur radio are attached hereto as Attachment 2.

7.2.3. WRC-15 Assistance from Member-Societies. President Ellam presented a paper suggesting that the IARU member-societies be contacted and requested to contact their telecommunications administrations to promote the IARU positions on WRC-15 agenda items. A position paper will be provided to the member-societies to use in contacting their administrations.

7.2.4. IARU WRC-15 Team and Logistics. The President announced the members of the IARU WRC-15 Team including President Ellam, Vice President Garpestad and Reinaldo Leandro (Region 2). Additional team members may be named later. The President noted that amateurs who are named to national delegations on behalf of their IARU member-societies are considered to be part of the team.

7.2.5. Future WRC Agenda Items. During the last two Council meetings possible future agenda items were discussed. The Council established a prioritized list of spectrum matters that might be addressed during post-WRC-15 conferences. It was noted that Region 1 is working within CEPT to gain support for increasing the Region 1 amateur allocations in the 160 meter, 6 meter and 3.4 GHz bands. The Council expressed support for Region 1 in its effort. It was noted that HF broadcasting is trending downward whereas there is renewed interest in HF in some other services. The Council agreed that a project team should be established to survey long-term trends in HF utilization in all radio services in order to identify future risks and opportunities.

7.3. ITU Development Sector (ITU-D). The Council reviewed the report of Secretary Stafford related to the activities of the ITU Development Sector. The Secretary's report outlined attendance at two ITU-D meetings since the last Council meeting, namely, the Telecommunication Development Advisory Group (TDAG) and the World Telecommunication Development Conference (WTDC). The report explains that the TDAG meets between the World Telecommunication Development Conferences (WTDC) to advise the Director of the Telecommunication Development Bureau (BDT) on the implementation of the WTDC Action Plan, including issues relating to the budget and the operational plan of the ITU-D. The TDAG is open to representatives of Member States, Sector Members and to chairmen and vice-chairmen of Study Groups. The December 2013 meeting of the TDAG took place in Geneva and was mainly concerned with the proposals that would be discussed at the WTDC in March 2014. Secretary Stafford explained that one of the main concerns for the IARU was to make sure that the study group question related to ICT and emergency telecommunication was carried over into the next 4-year study period. The report notes that the emergency telecommunication topic gives the IARU an opportunity to keep the topic of amateur radio's role in emergency telecommunications in the minds of the administrations when it comes to disaster planning, response and mitigation. The report explains that the objective of WTDC-14 was to establish work programs and guidelines for defining telecommunication development questions and priorities and to provide direction and guidance for the work program of the Telecommunication Development Sector (ITU-D) over the next four-year period. The Secretary noted that the question related to ICTs and disaster response and mitigation will continue for the next study period of 2014-2018. The Secretary also orally reported on his attendance at the ITU-D Study Group 2 meeting just prior to the Council meeting.

7.4. ITU Telecoms

7.4.1. Telecom 2013. The Council reviewed the participation of Region 3 in ITU Telecom World 2013 held in Bangkok, Thailand in November, 2013. The Council expressed appreciation for Region 3 and the Radio Amateur Society of Thailand in arranging and staffing the IARU booth at the telecom.

7.4.2. Telecom 2014. The ITU Telecom World 2014 will be held in Doha, Qatar, in December, 2014. The Council discussed the advisability of having an IARU booth at the Telecom. No action was taken at this time.

7.5. ITU Plenipotentiary Conference. The "Plenipot" is the key event at which ITU Member States decide on the future role of the organization, thereby determining the organization's ability to influence and affect the development of information and communication technologies (ICTs) worldwide. The Plenipotentiary Conference is the top policy-making body of the ITU. Held every four years, the Conference sets the Union's general policies, adopts four-year strategic and financial plans, and elects the senior management team of the organization (including the Sec.General, Deputy SG and the three Bureau Directors), the members of Council, and the members of the Radio Regulations Board. The Plenipotentiary Conference takes place in Busan, South Korea 20 October through 7 November 2014. Secretary Stafford will attend on behalf of IARU.

7.6. ITU Council. The ITU is governed by the Plenipotentiary Conference and the Council. The Plenipotentiary Conference is the supreme organ of the Union. It is the decision making body which determines the direction of the Union and its activities. The "Plenipot" meets every 4 years. The Council, on the other hand, meets annually and acts as the Union's governing body in the interval between Plenipotentiary Conferences. The ITU Council met 6-15 May 2014.

7.7. ITU Academy/SMTP. In May 2013 ITU invited IARU to participate in the new Spectrum Management Training Program (SMTP) initiative. Once completed, the SMTP will cover a full range of topics and a formal evaluation and attainment certification procedures at completion. President Ellam reported that IARU contributed material to the portion of the course titled: "Spectrum Management for HF Systems, Science, Maritime and Amateur Services". President Ellam noted in his report that while it is not clear how the program will develop, our participation in the SMTP is a worthwhile initiative given that ITU is placing its full resources behind the program. He reported that IARU has received the gratitude of the BDT Director for our participation. The President noted that in the future more success may be achieved in reaching administrators through the SMTP rather than directly with IARU sponsored ARACs.

7.8. ITU-D Smart Sustainable Development Model Initiative (SSDM). President Ellam reported that in 2013, ITU-D Director Sanou established the Smart Sustainable Development Model (SSDM). The Initiative aims to create actions necessary to deploy the crucial telecommunications infrastructure that contribute to giving rapid assistance in case of natural disasters, and could also be used as a working tool to foster economic and social development, providing community telecommunication services where people can have access to education, health or best practices in any particular field. President Ellam was selected by Director Sanou to participate in the initiative on behalf of IARU. There have been 2 meetings of the SSDM. The first meeting was in December, 2013. Secretary Stafford attended the organizational meeting on behalf of President Ellam and President Ellam attended the second meeting of the advisory board in June, 2014 just prior to the Friedrichshafen HamRadio. President Ellam commented in his report that the SSDM Initiative will provide a platform for information exchange and it will also seek solutions to common problems, convince policy makers and will provide an important opportunity for partnerships. Mr. Ellam mentioned that the next SSDM meeting will take place in Qatar in December, 2014.

7.9. ITU Fee Exemption. Secretary Stafford reported that on 3 April 2014, the IS received an email message from Mr. Christopher Clark, Head of Partnership and Resource Mobilization Division for the ITU indicating the ITU wished all fee exempt member organizations to complete a survey regarding the continued exemption from ITU fees. The survey was completed in a timely fashion and the fee exemption issue will be on the agenda for the Plenipotentiary Conference in October, 2014.

8. Strategic planning

8.1. The Plan for the Development of Support for Amateur Radio Frequency Allocations 2012-2017 was reviewed by the Council. Council members were invited to submit any updates or changes that should be added to the Plan.

8.2. The IARU Action Plan for the Development of Support for Amateur Radio Frequency Allocations 2014-2015 was reviewed and revised. The individuals attending some of the ITU meetings during 2015 will be determined at a later date. IARU participation may be needed for additional ITU related meetings during 2015 as circumstances may determine.

8.3. Mr. Garpestad presented the written report of the Future Spectrum Committee (FSC). In the report Mr. Garpestad reminded the Council that the FSC completed its work by delivering a final report at the 2013 Council meeting. However, the Council saw the importance of maintaining up-to-date information on how amateur and amateur satellite allocations are being used in each region. Each region designated a person to serve as a contact person in spectrum matters and that Mr. Garpestad should remain the liaison between the Council and the regional contact persons. The Council reviewed the report related to the amateur spectrum in certain regions which are in danger of being lost to the amateur and amateur satellite services. The Council also reviewed the updated FSC report which has been revised to reflect comments and information since the original report. The work to keep this important report up-to-date will continue with Mr. Garpestad as the focal point.

9. ITU and regulatory/spectrum defense matters not previously discussed

9.1. The September, 2013 version of the IARU Spectrum Requirements was reviewed, discussed and updated. Additional information or changes should be submitted to the Secretary as soon as possible to be included in the next version of the document.

9.1.1. Gaining an Allocation for IPv6. The Council asked the International Secretariat to investigate the procedure to obtain an allocation of IPv6 address space for amateur usage.

9.2. 23 cm Band ATV Interference with Galileo GPS System. The Vice President brought to the Council's attention an instance of amateur TV interference to the Galileo GPS System. The Galileo Control Centre in Germany received interference from an ATV (amateur television) repeater at 1276.5 MHz and 1291 MHz. As initially modifications of the ATV station did not reduce the interference sufficiently the German authorities prohibited the further operation of this ATV repeater in the Galileo GPS band where the radionavigation-satellite service is primary and amateurs are secondary. Mr. Garpestad in his oral remarks mentioned that if this situation becomes widespread then administrations may remove amateur access to a portion of the 23 cm amateur band. As a follow-up after the meeting, it is noted that the CEPT WGFm has published the following status: "With a document input by IARU Region 1, WGFm was requested to note that shortly after the original interference incident to a GNSS (Galileo) receiver by an ATV repeater in Germany,

IARU Region 1 and DARC had a meeting which resulted in a good mutual understanding of the issues and developed plans for further compatibility tests by the EU at the JRC. The liaison and test plans are ongoing, and no further action is believed to be necessary at the CEPT level at this time. At the recent IARU Region 1 General Conference in Albena, Bulgaria, the matter was also discussed and IARU Region 1 has already updated its advice to its member societies regarding ATV repeater outputs.” The mentioned advice regarding ATV repeaters in order to reduce potential interference, being a recommendation to minimize overall transmissions, especially continuous beacons and test cards, in favor of short regular transmissions or transmit on demand. Region 1 will keep the Administrative Council informed of further development of this issue.

10. Operational and administrative matters

10.1. Relations with Member-Societies. The Council reviewed a written report outlining some of the factual background related to the status of the member-society in Tunisia. Mr. Blondeel Timmerman, Region 1 President, discussed the current situation in Tunisia. Region 1 has investigated the situation thoroughly and accepts Association des Radio Amateurs Tunisiens (ARAT) as the successor member-society for Tunisia. In other member-society matters, Secretary Stafford mentioned that voting is currently underway on the admission to membership in IARU for two Region 1 societies, one from Kosovo (SHRAK) and the other from Rwanda (RARU). The deadline for voting on these two admission proposals is 5 January 2015. The regions will review their membership admission requirements and exchange information about admission requirements and procedures so as to standardize the process among the regions. Upon request of Region 1 pursuant to Article II, section 12 of the IARU Constitution and IARU Bylaw 10, the Council voted to place the rights of Association Royale des Radio-Amateurs du Maroc (ARRAM) temporarily in abeyance.

10.2. IARU Expert Consultants and Technical Representatives. President Ellam presented a report that discussed the major roles in the ITU process by a number of the current IARU volunteers and stressed the need for succession planning for the IARU Consultants and Representatives. The Council reviewed the CV of Mr. Glenn MacDonnell, VE3XRA and approved him as an IARU Expert Consultant. Mr. Ellam urged the regional representatives to recommend individuals to the Council who have the background and capabilities to assist the IARU in its work with ITU and the regional telecommunication organizations.

10.3. Budgets. The 2013 and 2014 budgets were reviewed and discussed. The 2015-2017 budgets were reviewed, discussed and approved. As a part of the discussion Mr. Sumner outlined the reasons for budget adjustments among the three planning period years and the anticipated yearly contribution by the International Secretariat.

10.4. World Amateur Radio Day. In view of the year 2015 being the 150th anniversary of the International Telecommunication Union, the theme “ITU & IARU: Celebrating 150 years of Advancing the Telecommunications Art” was adopted for

the next World Amateur Radio Day, April 18, 2015. Secretary Stafford presented a report suggesting there may be a need for International Secretariat assistance to groups desiring the hold public demonstrations of amateur radio for WARD events. The Council asked the Secretary to work with IS staff to provide materials, including an annual logo, to such groups for WARD events and to make such materials available for download from the IARU web site.

10.5. IARU Handbook. Mr. Ellam reported on the status of the IARU Representative Handbook. The project has evolved into a web-based interactive document with internal and external links to relevant material. Work on the project continues. Input will be needed regarding the regional organizations as it pertains to work being conducted at the various regional telecommunication organizations such as CEPT, CITEL and APT.

10.6. Council Actions since last in person meeting. The Secretary reported there were no formal actions taken by the Council since the last in-person meeting.

10.7. Emergency Communications.

10.7.1. IARU Emergency Telecommunications Guide. Secretary Stafford presented the draft IARU Emergency Telecommunications Guide. Mr. Stafford noted that at the 2013 Council meeting, he was tasked with developing a document that would be useful as a guide for the member-societies and for radio amateurs who would like to become involved in emergency telecommunications but had little or no experience in that area. The consensus of the Council seemed to be that the document should be developed which could be placed on the IARU web site and be downloaded by IARU member-societies, or other interested emergency telecommunication volunteers, and could be used as a guide for instructing or training radio amateurs interested in becoming involved in the field of emergency telecommunications. The initial draft was completed in April 2014 and was circulated among the three regional Emergency Communications Coordinators and the International Coordinator for Emergency Communications for any comments, suggestions, modifications, etc. Region 1 Emergency Coordinator Greg Mossop, G0DUB, contributed Chapter 14 entitled, "Emergency Command Systems." He also offered a number of editorial changes to "internationalize" the text of the guide. The initial draft is a synthesis of several publications on emergency communications produced by the ARRL. One of the important aspects of the guide was to "internationalize" the material so that it can be used as a training tool in many parts of the world and not be country specific. The Council adopted the training and directed the Secretary to take steps to upload the guide to the IARU web site and to publicize its availability.

10.7.2. IARU Emergency Communication Strategy. IARU International Coordinator for Emergency Communications Hans Zimmermann, F5VKP/HB9AQS, has stressed the need for IARU to adopt a strategy related to emergency telecommunications. Mr. Zimmermann maintains that emergency communications capabilities of Amateur Radio are a key argument for maintaining and, where possible, enlarging the privileges accorded to this service in the national and international regulatory framework. In its work on the protection against

interference such as might result from certain new technologies and on the provision of spectrum adequate to its needs, the amateur radio service depends on the awareness of the national and international policy makers. He stressed that the need to create such awareness is a priority task for the organizations representing the amateur radio service at all levels. In order to justify the claims of the amateur radio service, the emergency communications capabilities of operators and networks need to be maintained and improved further. IARU has three tasks in respect to emergency communications: ensuring the readiness of the service, applying the emergency capabilities of the service to its promotional activities and to ensure the amateur radio service has the necessary frequency allocations and privileges. Emergency communications need the amateur radio service as a tool in times of need and the amateur radio service needs emergency communications as a key element in its promotional efforts. Secretary Stafford offered a draft emergency communications strategy to the Council based upon Mr. Zimmermann's ideas and the discussion that the Council undertook at the 2013 Council meeting. The Council adopted the draft and directed the Secretary to seek the advice of the IARU International Coordinator for Emergency Communications and the Regional Emergency Coordinators as to how the strategy may be implemented.

10.8. The Secretary presented a paper dealing with establishing a committee to study ways to improve the relationship between the IARU and its member-societies. After discussion the Council adopted the Terms of Reference for the ad hoc "IARU Member-Society Relations Project Team." This project arose from Minute 10.10 from the 2013 Council meeting Summary Record dealing with "Second Society Issues." President Ellam will chair the committee and may make any necessary amendments to the Terms of Reference.

10.9. Amateur Radio Administration Course (ARAC). The Council noted the possibility of an ARAC being held during 2015 with the dates and venue to be determined at a later date.

10.10. The Council reviewed the IARU Michael J. Owen VK3KI Award. A recipient of the award may be named from time to time and the award is restricted to those individuals who perform above and beyond their volunteer roles either for a specific task or for long standing involvement on behalf of IARU. The nominations process was discussed by the Council. Any nominations for the award, along with any written supporting information or material, should be sent to the IARU Secretary by 31 October 2014 and the nominations will be forwarded to the Council for consideration.

10.11. ITU Meeting Monitoring. The Secretary presented a paper suggesting a method to remotely monitor certain meetings of the ITU more effectively by using IARU Expert Consultants and Technical Representatives. There are a number of ITU meetings that do not justify IARU attendance but which may, on occasion, have agenda items that have amateur radio implications. At present we "monitor" those meetings, that is, the agendas for those meetings are checked periodically to determine whether any amateur radio related issues might be discussed at the meeting. There are a number of IARU Technical Representatives and Expert Consultants who

do not personally attend any ITU meetings but who have indicated their continued willingness to assist the IARU in its ITU work. The monitoring would involve checking for upcoming meetings, determining the content of any contributions that are submitted prior to the meeting and notifying the officers of any amateur radio related issues that are either on the agenda or are contained in the contributions for the meetings. After discussion the Council adopted the system set forth in the report and directed the Secretary and the International Secretariat to implement the monitoring system.

10.12. Issues Arising from Region 1 Conference. Responding to a request by the IARU Region 1 Conference, the Administrative Council asked the International Secretariat to delete the IARU HF World Championship rule that prohibits HQ stations from using different call signs on different modes in the same band, i.e. 20 meter CW and 20 meter SSB. The rule originally was intended to prevent confusion in calculating multipliers but with current software is no longer required.

10.12.1. CW Procedure and Ethics Guide. Based upon a letter from the Icelandic society and the Region 1 conference recommendation, the Council voted to revise the IARU Resolution 08-1. The amended resolution is attached hereto as Attachment 3.

10.13. Worked All Continents Boundary Change. Mr. Sumner presented a paper asking the Council to approve a minor continental boundary change between Africa and Asia in connection with the IARU Worked All Continents Award. The effect of the change is to recognize that the island of Socotra is on the African continental shelf. After discussion, the Council approved the requested change. Mr. Sumner indicated the International Secretariat would promulgate the boundary change.

10.14. Other operational and administrative matters

10.14.1. The Council discussed succession planning for IARU volunteers. The officers will study this issue and address the issue before the next in person meeting.

11. Review of IARU Resolutions and Policies. The Council voted to suppress IARU Resolutions 02-1 and 04-1 which have been superseded with the adoption of the new IARU Resolution 14-1.

12. Any other business. No other business was discussed.

13. Determination of place and dates of next meeting of Council. The next scheduled in-person meeting of the Council will be in the vicinity of Yogyakarta on 9-10 October 2015 with a short meeting on 17 October 2015 to discuss any matters arising from the Region 3 conference.

IARU Administrative Council

Albena, Bulgaria 2014

14. After closing comments by each participant the meeting was adjourned at 1245 local time Sunday, 28 September 2014. The news release prepared detailing actions taken at this meeting of the Council is attached hereto as Attachment 4.

Respectfully submitted,

Rod Stafford, W6ROD

IARU Secretary
15 October 2014

Attachment 1**RESOLUTION 14-1**

concerning the protection of the radio spectrum as a natural resource

The IARU Administrative Council, Albena, September 2014,

recognising that there is rapid and largely uncontrolled growth in the variety and number of man-made devices that generate radio frequency energy as an unnecessary and undesirable consequence of their operation,

noting that such devices now include but are not limited to switching power supplies, power inverters, plasma video displays, and wireline telecommunication systems utilizing various technologies such as Power Line Telecommunications (PLT), also called BPL (Broadband over Power Lines),

aware that new technologies such as wireless power transfer are likely to be deployed widely in the near future,

deeply concerned that present standards, regulations, and enforcement resources are inadequate to protect radiocommunication services, including the amateur and amateur-satellite services, against harmful interference from such devices,

fully aware that the radio frequency spectrum is an irreplaceable natural resource of inestimable value, providing humankind with the ability to communicate over any distance without having to rely on any infrastructure whatsoever, and

deeply committed to the protection of the radio frequency spectrum as a global communications medium for present and future generations,

calls upon the nation states who are signatories to the Constitution and Convention of the International Telecommunication Union to fulfill their responsibilities under Radio Regulation **15.12**, which states in relevant part:

Administrations shall take all practicable and necessary steps to ensure that the operation of electrical apparatus or installations of any kind, including power and telecommunication distribution networks ... does not cause harmful interference to a radiocommunication service ... operating in accordance with the provisions of these Regulations.

implores the designers and manufacturers of the devices described above to make every reasonable effort to minimize radio spectrum pollution emanating from their products,

earnestly requests that standards-setting bodies and regulators fully support this objective, including meaningful enforcement measures in each nation-state, and

strongly encourages the IARU member-societies and regional organisations to pursue the implementation of this resolution as a matter of the highest priority and to the best of their ability

Attachment 2**IARU Positions on WRC-15 Agenda Items
(Revised September 2014)**

The International Amateur Radio Union (IARU) is a federation of national amateur radio associations in more than 160 countries and is the international organization recognized by the ITU under **CV 231** to represent the interests of the more than three million licensees in amateur and amateur-satellite services. The IARU is a Sector Member of the ITU Radiocommunication and Telecommunication Development Sectors.

To facilitate experimentation and communication by amateurs, that is, by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest (**No. 1.56**), the amateur and amateur-satellite services have been afforded frequency allocations at intervals throughout the radio spectrum from as low as 135.7 kHz to as high as 250 GHz.

The IARU has reviewed the agenda for the 2015 World Radiocommunication Conference contained in Resolution **807 (WRC-12)**. Some of the existing amateur and amateur-satellite service allocations, and in particular most of those between 225 MHz and 24 GHz, are on a secondary basis to other existing services. In general, the amateur services have been able to make constructive use of these secondary allocations without causing harmful interference to primary services. When allocations to new services in a band that is presently allocated to the amateur services are being considered it is important that the existing and likely future uses of the band by the amateur services be taken into account, whether the amateur service allocation is on a primary or a secondary basis.

The IARU has adopted the following positions with regard to the agenda items that are relevant to the amateur and amateur-satellite services.

Agenda Item 1.1 – “to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC-12)**;”

IARU Position: The IARU recognizes that there is great pressure on the portion of the radio spectrum that is best suited for terrestrial mobile broadband applications. The amateur service allocations between 450 MHz and 6 GHz are all on a secondary basis to other existing services. The amateur-satellite service allocations in this frequency range are on either a secondary or a not-to-interfere basis.

The existing allocations to the amateur service in this frequency range are 902-928 MHz (in Region 2), 1240-1300 MHz, 2300-2450 MHz, 3300-3500 MHz (in Regions

2 and 3 along with 3400-3475 MHz in certain countries in Region 1), and 5650-5925 MHz (5650-5850 MHz in Regions 1 and 3).

The existing allocations to the amateur-satellite service in this frequency range are 1260-1270 MHz (Earth-to-space only), 2400-2450 MHz, 3400-3410 MHz (in Regions 2 and 3 only), 5650-5670 MHz (Earth-to-space only), and 5830-5850 MHz (space-to-Earth only).

The identification of 2300-2400 MHz for the possible implementation of IMT is already placing significant constraints on the use of this band by amateurs. The band 3400-3500 MHz is already identified for the possible implementation of IMT, subject to certain constraints, in a number of countries in Regions 1 and 3.

European Common Frequency Allocation Table Footnote EU17 provides: “In the sub-bands 3400-3410 MHz, 5660-5670 MHz, 10.36-10.37 GHz, 10.45-10.46 GHz the amateur service operates on a secondary basis. In making assignments to other services, CEPT administrations are requested wherever possible to maintain these sub-bands in such a way as to facilitate the reception of amateur emissions with minimal power flux densities.”

As consideration is given to the identification of additional frequency bands for IMT, or for the extension of bands already so identified to additional countries or regions, care must be taken to maintain useful access to the radio spectrum at suitable intervals by the amateur and amateur-satellite services.

Agenda Item 1.4 – “to consider possible new allocation to the amateur service on a secondary basis within the band 5 250 - 5 450 kHz in accordance with Resolution **649 (WRC-12)**;”

IARU Position: The addition of a new allocation within the band 5250 – 5450 kHz is a high priority for the amateur service. Resolution **649 (WRC-12)** explains why:

Communications in the HF bands allocated to the amateur service play a major role in work to mitigate catastrophes and in the delivery of communications in support of relief operations in areas where the telecommunication infrastructure is weak or has collapsed.

Radiocommunication in the HF bands is dependent on propagation factors, with the result that frequencies in different bands have to be used.

For amateur stations using typical antennas and power levels, it is important that the maximum usable frequency (MUF) not be excessively above the operating frequency.

In the current allocations to the amateur service in the HF bands there is a significant gap between 4000 kHz (3800 kHz in Region 1 and 3900 kHz in Region 3) and 7000 kHz, which causes problems in maintaining communications when the MUF falls below 7 MHz.

Resolution **649 (WRC-12)** invites WRC-15 to consider “the possibility of making an allocation of an appropriate amount of spectrum, not necessarily contiguous, to the amateur service on a secondary basis within the band 5 250-5 450 kHz” based on the results of ITU-R studies of spectrum requirements for the amateur service and the impact to other services currently allocated in this band and adjacent bands.

WRC-12 created a new allocation of 5250-5275 kHz (among others) for the radiolocation service, limited to oceanographic radars operating in accordance with Resolution **612 (Rev.WRC-12)**. The CPM Report for WRC-12 concluded that sharing between the amateur service and oceanographic radars would be difficult. Therefore, the segment 5 250 to 5 275 kHz can be excluded from methods to satisfy the agenda item.

In considering the “appropriate amount of spectrum” to the amateur service it should be borne in mind that the administrations wishing to implement an amateur allocation domestically as well as the amateur operators desiring to utilize it will benefit from there being the greatest possible flexibility afforded by the international Table of Frequency Allocations.

An allocation to the amateur service within the band 5250-5450 kHz is envisioned to be on a secondary basis. Stations of a secondary service must operate so as to avoid causing harmful interference to stations of primary services. In the aftermath of a major natural disaster afflicting a region in which several languages are spoken the IARU estimates that there could be a need for amateur networks in the 5 MHz band to use approximately 16 separate frequencies simultaneously, each with a bandwidth of approximately 3 kHz, in order to provide voice and data communications. While this suggests that an “appropriate amount” of spectrum might be less than the 200 kHz suggested above, in such a situation the selection of operating frequencies by amateurs will be constrained by the need to avoid frequencies occupied by stations of primary services.

Further, as amateur communication increasingly uses digital modes of emission, inter-symbol distortion caused by multipath propagation requires choice of an operating frequency as near as possible to the MUF.

Accordingly, the IARU requests that consideration be given to a secondary allocation of as much spectrum as possible within the band 5250-5450 kHz.

Agenda Item 1.6.1 – “(to consider possible additional primary allocations) to the fixed-satellite service (Earth-to space and space-to-Earth) of 250 MHz in the range between 10 GHz and 17 GHz in Region 1;”

IARU Position: The band 10.0-10.5 GHz is allocated to the amateur service on a secondary basis. It is a popular band for amateur experimentation, investigation of propagation phenomena, and point-to-point communication between networked repeater stations.

The band 10.45-10.5 GHz is allocated to the amateur-satellite service on a secondary basis. Owing to the popularity of the 10.0-10.5 GHz band for terrestrial amateur

communication, increased use of this allocation for amateur satellite communication is anticipated.

European Common Frequency Allocation Table Footnote EU17 provides: “In the sub-bands 3400-3410 MHz, 5660-5670 MHz, 10.36-10.37 GHz, 10.45-10.46 GHz the amateur service operates on a secondary basis. In making assignments to other services, CEPT administrations are requested wherever possible to maintain these sub-bands in such a way as to facilitate the reception of amateur emissions with minimal power flux densities.”

The IARU requests that existing and future use of this band be taken into account and continue to be provided for.

Agenda Item 1.10 – “to consider spectrum requirements and possible additional spectrum allocations for the mobile-satellite service in the Earth-to-space and space-to-Earth directions, including the satellite component for broadband applications, including International Mobile Telecommunications (IMT), within the frequency range from 22 GHz to 26 GHz, in accordance with Resolution **234 (WRC-12)**;”

IARU Position: Above 440 MHz, the band 24.0-24.05 GHz is the lowest frequency primary allocation to the amateur and amateur-satellite services. The next lowest primary allocation is at 47.0-47.2 GHz. The 24.05-24.25 GHz band is allocated to the amateur service on a secondary basis. While the designation of the 24.0-24.25 GHz band for ISM applications and the high water vapor absorption at this order of frequency create challenges, amateurs are actively pursuing experimentation in this band. Maintaining the primary allocation and assuring that any new services introduced into the band are compatible with the amateur and amateur-satellite services is essential for the continuing contribution by radio amateurs to the body of experience and knowledge of microwave equipment construction, operation, and propagation research.

Agenda Item 1.12 – “to consider an extension of the current worldwide allocation to the Earth exploration-satellite (active) service in the frequency band 9 300 - 9 900 MHz by up to 600 MHz with the frequency bands 8 700 - 9 300 MHz and/or 9 900 - 10 500 MHz, in accordance with Resolution **652 (WRC-12)**;”

IARU Position: As noted under Agenda Item 1.6.1, the band 10.0-10.5 GHz is allocated to the amateur service on a secondary basis. It is a popular band for amateur experimentation, investigation of propagation phenomena, and point-to-point communication between networked repeater stations.

The band 10.45-10.5 GHz is allocated to the amateur-satellite service on a secondary basis. Owing to the popularity of the 10.0-10.5 GHz band for terrestrial amateur communication, increased use of this allocation for amateur satellite communication is anticipated.

The IARU requests that existing and future use of this band be taken into account and continue to be provided for. An illustration of how this can be accomplished is found in Recommendation ITU-R RS.1260-1; see No. **5.279A** which applies to the use of the band 432-438 MHz by the Earth exploration-satellite service (active).

Agenda Item 1.18 – “to consider a primary allocation to the radiolocation service for automotive applications in the 77.5 - 78.0 GHz frequency band in accordance with Resolution **654 (WRC-12)**,” and

IARU Position: Currently the only primary incumbent services in the band 77.5-78.0 GHz are the amateur and amateur-satellite services. These services also have secondary allocations in the adjacent bands of 76.0-77.5 GHz and 78.0-81.5 GHz. Amateur experimentation in the band is ongoing.

When allocations to services between 71 GHz and 84 GHz were made for the first time at WARC-79, the amateur and amateur-satellite services received a primary and exclusive allocation of 75.5-76.0 GHz and a secondary allocation of 76.0-81.0 GHz. The allocation of 75.5-76.0 GHz was withdrawn at WRC-2000 and as compensation the band 77.5-78.0 GHz was upgraded to primary and No. **5.561A** was added, creating a new secondary allocation to the amateur services at 81.0-81.5 GHz.

The IARU acknowledges that there are significant benefits to be gained from worldwide standards for technologies such as automotive radars. However, automotive radars are classic examples of short- range devices (SRDs) for which, in general, allocations are neither essential nor appropriate.

Should a primary allocation to the radiolocation service for automotive applications nonetheless be added to the 77.5 – 78.0 GHz frequency band, the IARU earnestly requests that the primary allocation to the amateur and amateur-satellite services be maintained; or, in the alternative, that a suitable replacement allocation be provided on a primary basis within the band 71 – 84 GHz.

Agenda Item 8 – “to consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution **26 (Rev.WRC-07)**,”

IARU Position: There are a number of country footnotes that apply to amateur service allocations, some of which appear to be obsolete. In particular, the IARU invites the administrations listed in Nos. **5.98, 5.99, 5.102, 5.119, and 5.122** relating to the bands 1810-1830 kHz, 1850-2000 kHz, 3500-3750 kHz, and 3750-4000 kHz to consider proposing the deletion of their country names from these footnotes.

Agenda Item 9.1.4 – Updating and rearrangement of the Radio Regulations (Resolution **67 (WRC-12)**)

IARU Position: The scope of ITU-R “studies for possible updating, review and possible revision of outdated information” in the Radio Regulations envisioned by Resolution **67 (WRC-12)** does not exclude Article **25, Amateur services**. Article **25** was last revised by WRC-03 and is not reviewed for possible revision on a regular basis.

Article **25** includes restrictions on communications by amateur stations on behalf of third parties that are clearly outdated in view of the vast array of telecommunications alternatives now available to individuals. Specifically, No. **25.3** states: “Amateur stations may be used for transmitting international communications on behalf of third parties only in case of emergencies or disaster relief. An administration may determine the applicability of this provision to amateur stations under its jurisdiction.”

Restrictions on international communications by amateur stations on behalf of third parties date to the 1932 International Radiotelegraph Conference held in Madrid and originally were intended to protect the revenues of telecommunications monopolies and to discourage “uneconomic bypass” of common carriers. Such concerns are no longer relevant, and No. **25.2** is sufficient to protect the non-commercial nature of the amateur service. No. **25.2** reads: “Transmissions between amateur stations of different countries shall be limited to communications incidental to the purposes of the amateur service, as defined in No. **1.56** and to remarks of a personal character.”

In the absence of a determination by an administration that the limitation on international communications on behalf of third parties to cases of emergencies or disaster relief does not apply to amateur stations under its jurisdiction, amateurs under the jurisdiction of that administration as well as amateurs communicating with them from other jurisdictions are prohibited from conducting even the most mundane and routine communication on behalf of friends, family members and the general public. This has a chilling effect on demonstrations of the amateur service to the public as well as on training exercises to develop skills for use in emergencies and disaster relief.

Accordingly, the IARU supports the revision of No. **25.3** to read: “Amateur stations may be used for transmitting international communications on behalf of third parties consistent with No. **25.2** as well as in case of emergencies or disaster relief.”

Agenda Item 9.1.8 – Regulatory aspects for nanosatellites and picosatellites
(Resolution **757 (WRC-12)**)

Resolution **757** calls for the results of studies of the procedures for notifying space networks that presently apply to nanosatellites and picosatellites to be reported to WRC-15. Because of the possible implications of these studies for the amateur and amateur-satellite services, the IARU is following the progress of these studies attentively. Nanosatellites and picosatellites that are properly licensed in the amateur-satellite service and are operated consistent with the purposes of the amateur and amateur-satellite services as defined in Nos. **1.56** and **1.57** may utilize the provisions of Resolution **642**.

Attachment 3

RESOLUTION 08-1 (Revised 2014)

concerning operating standards

The IARU Administrative Council, Konstanz, June 2008,

noting that the Amateur Radio Services are services which rely on self-regulation for effective use of their spectrum allocation, and

further noting that poor operating behavior adversely affects the enjoyment of all radio amateurs and does not enhance the reputation of the Amateur Radio Services,

resolves

that all radio amateurs be encouraged to operate to the highest levels of proficiency, with proper consideration for others using the amateur radio bands;

that the necessary effort be made by member-societies to teach newcomers and others correct operating behavior;

that such ethical behavior is described in the booklet “Ethics and Operating Procedures for the Radio Amateur” by John Devoldere, ON4UN and Marc Demeuleneere, ON4WW (“booklet”) now available in many languages;

the Administrative Council further recognizes the detailed operating practices and procedures therein are subject to revision from time to time;

and the Administrative Council continues to endorse the ethical principles in the booklet;

and therefore

endorses and recommends the ethical principles set out in the booklet “Ethics and Operating Procedures for the Radio Amateur” by John Devoldere, ON4UN and Marc Demeuleneere, ON4WW, and not necessarily the detailed operating practices and procedures set out therein, and

encourages each IARU Region to consider this booklet, with a view to adopting the ethical principles therein, including any Regional variations that might be felt appropriate.

Attachment 4

NEWS RELEASE
International Amateur Radio Union
P.O. Box 310905
Newington, CT 06131-0905 USA
FAX: +1 860 594 0259
E-Mail: secretary @ iaru.org

29 September 2014

For immediate release

IARU Administrative Council Plans for WRC-15

The Administrative Council (AC) of the International Amateur Radio Union (IARU) held its annual meeting on 27 & 28 September 2014 in Albena, Bulgaria. The AC is responsible for the policy and management of the IARU and consists of the three IARU international officers and two representatives from each of the three IARU regional organizations.

Here is a summary of the discussions and actions.

The Council reviewed the IARU positions on each of the WRC-15 agenda items that relate to amateur radio or may have an impact on amateur radio. The Council made a number of modifications to the paper related to justifications for the IARU positions. This information will be forwarded to all IARU member-societies.

The Council expressed support for Region 1 in its effort to obtain a CEPT proposal for post-WRC-15 conference agenda items for worldwide harmonization of 160 meters, harmonization of 6 meters and an allocation at 3.4 GHz.

The Council reviewed the participation of IARU at the upcoming WRC-15 and the President announced the members of the team who will represent IARU.

Upon the recommendation of the IARU EMC Coordinator, the Council adopted IARU Resolution 14-1 ("concerning the protection of the radio spectrum as a natural resource") dealing with EMC issues related to the radio spectrum and which encourages IARU member-societies and regional organizations to pursue implementation of this resolution as a matter of high priority, requests standard-setting bodies and regulators to fully support this objective and implores designers and manufacturers to make every reasonable effort to minimize radio spectrum pollution emanating from their products.

The Council expressed the importance of obtaining the ITU Advance Publication Information (API) numbers from administrations for satellite projects operating in the amateur and amateur satellite bands so that information about the number of operating satellites can be maintained, for frequency coordination and for resolving interference

issues. IARU will work with administrations to establish protocols for satellite frequency coordination and to raise awareness of the satellite regulations.

The Council adopted the IARU Emergency Telecommunications Guide for use by the IARU member-societies to strengthen amateur radio disaster preparedness, response and mitigation.

The Council also adopted various strategies related to improving amateur radio disaster preparedness, response and mitigation and to promote the role of amateur radio in such activities to the general public and to government and non-government organizations.

The Council created the ad hoc "IARU Member-Society Relations Project Team" and adopted Terms of Reference for the project. This action arose from Minute 10.10 from the 2013 Council meeting Summary Record dealing with "Second Society Issues."

The Council adopted a system to provide more efficient remote monitoring of certain ITU meetings that may impact amateur radio.

The Plan for the Development of Support for Amateur Radio Frequency Allocations 2012-2017 was reviewed by the Council. The September, 2013 version of the IARU Spectrum Requirements which is the working document that sets out the spectrum requirements of the amateur and amateur-satellite services, was reviewed, discussed and updated.

The International Telecommunication Union (ITU) meetings at which IARU representation will be required for the remainder of 2014 and for 2015 were identified, and plans for representation at these meetings were reviewed.

In view of the year 2015 being the 150th anniversary of the International Telecommunication Union, the theme "ITU & IARU: Celebrating 150 years of Advancing the Telecommunication Art" was adopted for the next World Amateur Radio Day, April 18, 2015.

The budget for the years 2015-2017 as presented by the IS was reviewed and adopted. The budget is based upon anticipated financial contributions from the three regional organizations to defray a portion of the expenses, in accordance with previously adopted policy.

The Council received information about the Hamsphere Initiative from Martti Laine, OH2BH. The Council will review the initiative and seek further information from the project leaders.

The Council was made aware of an ATV interference incident on the 23 cm band in which the German administration prohibited operation of an ATV repeater because of interference to the Galileo GPS system.

Attending the meeting were IARU President Tim Ellam, VE6SH/G4HUA; Vice President Ole Garpestad, LA2RR; Secretary Rod Stafford, W6ROD; regional representatives Hans Blondeel Timmerman, PB2T, Dennis Green, ZS4BS, Reinaldo Leandro, YV5AM, José Arturo Molina, YS1MS, Gopal Madhavan, VU2GMN, Wisnu Widjaja, YB0AZ and recording secretary David Sumner, K1ZZ. Also present as observers were Ramón Santoyo, XE1KK, observer from Region 2 and Don Beattie, G3BJ, observer and President-elect from Region 1.

The next scheduled in-person meeting of the AC will be held in the vicinity of Yogyakarta, Indonesia, in October, 2015 in conjunction with the IARU Region 3 Conference.

-end-