



International Amateur Union – Region 1

Newsletter 67 – October 2012

Permanent HF Committee



To: Members of IARU R1 HF Committee, IARU R1 Executive Committee, Chairman of R1 VHF/UHF/MW Committee, RRWG Coordinator, IARUMS Region 1 Coordinator, Region 1 Beacon Coordinator, the President of IARU and the Secretary of IARU.

67.1 2013 INTERIM MEETING IN VIENNA

The next Interim Meetings of the IARU Region 1 VHF/UHF/MW Committee C5 and the HF Committee C4 will take place (in parallel) on **20 and 21 April 2013** at the InterCity Hotel in Vienna.

Any contribution for the meeting should be received by the Chairman of the HF Committee C4 (DK4VW), respectively the Chairman of the VHF/UHF/MW Committee C5 (OE1MCU), not later than 20 January 2013.

The contributions and the draft of the meeting agenda will be distributed to the member societies before 30 January 2013.

The Austrian society, OEVSV, has again kindly invited us to Vienna.

OEVSV has drafted the following schedule:

Friday, 19 April 2013:

2000 - 2030 hrs: Welcome drink at the hotel
2030 - 2200 hrs: Dinner

Saturday, 20 April 2013:

0800 - 0900 hrs: Breakfast
0900 - 1200 hrs: Committee meeting
1200 - 1400 hrs: Lunch
1400 - 1800 hrs: Committee meeting
20:00 hrs: Dinner

Sunday, 21 April 2013:

0800 - 0900 hrs: Breakfast
0900 - 1200 hrs: Committee meeting
1200 - 1400 hrs: Lunch

HOTEL:

InterCityHotelWien (<http://www.intercityhotel.com>)

The hotel is a 4 star hotel, located within easy reach (three minutes walk) of a main line railway station (Westbahnhof) and an underground station, from where the city centre (St. Stephan's Cathedral) can be reached in a few minutes.

The hotel offers comfortable and quiet meeting rooms and good catering.

The headquarter of OEVSV lies within an eight minutes' walk from the hotel.

Costs of Conference package:

The Conference package of EUR 302 includes:

- Accommodation in single room (EUR 190) from Friday to Sunday with breakfast.
- Conference fee (EUR 112) including refreshments during breaks.
- Meals (1x dinner, 2x lunch)

Detailed Prices payable directly to the Intercity hotel:

- Price single room EUR 95
- Price double room EUR 115
- Conference fee EUR 112

Additional information:

- Welcome drinks on Friday and dinner Saturday evening are sponsored by OEVSV.
- The transfer from / to the Airport is not included. Please see www.cityairporttrain.com or www.airportservices-vie.com for further information.
- Additional night in a single room with breakfast: EUR 95,--
- Please mail your reservations and any other questions about the meeting to: oe1mcu@oevsv.at

DEADLINES:

- 20 January 2013** for **contributions**.
- 20 February 2013** binding **registration** for the Sub Working Group.
- 10 March 2013** for all **payments**.

Please support the organizing committee by observing the given deadlines!

67.2 SWEDEN: 160m-frequency gap closed

Swedish amateurs are now allowed to use the full band 1850 kHz – 2000 kHz with secondary status, beside the primary amateur radio allocation 1810 kHz – 1850 kHz.

For many years Swedish amateurs were not allowed to use the segment 1850 kHz – 1930 kHz.

67.3 160m band in Region 1

The change in Sweden leads me to the following comment:

Unfortunately the Amateur Service allocations are quite different in the ITU Regions 1, 2 and 3.

Allocation to services		
Region 1	Region 2	Region 3
1 800-1 810 RADIOLOCATION 5.93	1 800-1 850 AMATEUR	1 800-2 000 AMATEUR FIXED MOBILE except aeronautical mobile RADIONAVIGATION Radiolocation
1 810-1 850 AMATEUR 5.98 5.99 5.100 5.101		
1 850-2 000 FIXED MOBILE except aeronautical mobile 5.92 5.96 5.103	1 850-2 000 AMATEUR FIXED MOBILE except aeronautical mobile RADIOLOCATION RADIONAVIGATION 5.102	

Note: A service shown in capital letters has primary status (e.g. AMATEUR), when shown in small letters it has secondary status (e.g. Radiolocation).

In Region 1 only the band 1810 kHz – 1850 kHz is allocated to the Amateur Service on a primary basis.

The segment 1850 kHz - 2000 kHz may be used in some countries by amateurs with certain power limits only on a non interference secondary basis, based on ITU Radio Regulation (RR) footnote 5.96.

5.96 In Germany, Armenia, Austria, Azerbaijan, Belarus, Denmark, Estonia, the Russian Federation, Finland, Georgia, Hungary, Ireland, Iceland, Israel, Kazakhstan, Latvia, Liechtenstein, Lithuania, Malta, Moldova, Norway, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., the United Kingdom, Sweden, Switzerland, Tajikistan, Turkmenistan and Ukraine, administrations may allocate up to 200 kHz to their amateur service in the bands 1 715-1 800 kHz and 1 850-2 000 kHz. However, when allocating the bands within this range to their amateur service, administrations shall, after prior consultation with administrations of neighbouring countries, take such steps as may be necessary to prevent harmful interference from their amateur service to the fixed and mobile services of other countries. The mean power of any amateur station shall not exceed 10 W. (WRC-03)

The use of the segment 1850 kHz – 2000 kHz by amateurs in other countries not listed in 5.96 is based on Article 4 of the ITU Radio Regulations, which gives an administration the right to allow other services than those indicated in the RR to use a frequency or frequency band, but with an obligation to cause no interference to the regular services in other countries.

Although a last change to footnote 5.96 was made by WRC-03, the reasons to protect the primary users by a low limit of 10 watts mean power are now historical:

- a) After the WW2 a lot of mines hindered seafaring in Baltic Sea, North Sea, and Mediterranean etc. Ships had to use those certain ways which were cleared from mines. So it was necessary to know the exact momentary location of a ship. Today one can use GPS, but about 60 years ago the only method was direction finding (onboard from ship to some coast stations or by DF stations ashore to a ship).
- b) LORAN A – **LORAN (LOng RAnge Navigation)** is a terrestrial radio navigation system which enables ships and aircraft to determine their position and speed from low frequency radio signals transmitted by fixed land based radio beacons using a receiver unit. These beacons operated within 1750 kHz – 2000 kHz, but have been decommissioned already many years ago and have been replaced by LORAN C (operating near 100 kHz). The Loran C system is also going to be decommissioned in certain areas of the world.
- c) Maritime Mobile – For many decades there has been a lot of communication by fishermen on 160m. It seems that they are now using other possibilities to communicate with each other or to shore (VHF, Mobile Phone).

Based on much lower usage now by the primary services, it is reasonable to put at least the strict power limit in question. Some countries allow in parts of the secondary allocation a peak power of 75 watts, which is roughly equal to 10 watts mean power. Other countries give permission - based on ITU Article 4 - to use higher power levels during certain weekends for contesting.

As a first step Member Societies are encouraged to discuss with their administration the actual situation on 160m in their country with the intention to relax the power limit in the future.

Modifying the ITU Allocation Table (Article 5) by a future WRC to get a real secondary or primary allocation to the Amateur Service in Region 1 will be a long term issue.

Another issue to discuss with a national administration is footnote 5.98 and 5.99. The listed countries claim to have the frequency range 1810 kHz – 1830 kHz - which is within our primary allocation - as an alternative or additional allocation to the fixed and mobile service.

5.98 *Alternative allocation:* in Angola, Armenia, Azerbaijan, Belarus, Belgium, Cameroon, Congo (Rep. of the), Denmark, Egypt, Eritrea, Spain, Ethiopia, the Russian Federation, Georgia, Greece, Italy, Kazakhstan, Lebanon, Lithuania, Moldova, the Syrian Arab Republic, Kyrgyzstan, Somalia, Tajikistan, Tunisia, Turkmenistan, Turkey and Ukraine, the band 1 810-1 830 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-07)

5.99 *Additional allocation:* in Saudi Arabia, Austria, Iraq, the Libyan Arab Jamahiriya, Uzbekistan, Slovakia, Romania, Serbia, Slovenia, Chad, and Togo, the band 1 810-1 830 kHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-07)

Region 2 and 3 have a 160m band starting at 1800 kHz (Region 1: 1810 kHz).

It would be helpful if you can find out whether your country is actually using the band 1800 kHz - 1810 kHz. Please report your finding to me (DK4VW).

(In Region 1 this frequency segment is allocated to the Radiolocation Service.)

Again a footnote allows a different usage by certain countries:

5.93 *Additional allocation:* in Angola, Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Nigeria, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan, Chad, Turkmenistan and Ukraine, the bands 1 625-1 635 kHz, 1 800-1 810 kHz and 2 160-2 170 kHz are also allocated to the fixed and land mobile services on a primary basis, subject to agreement obtained under No. **9.21**. (WRC-07)

The question is whether these allocations by footnote are still needed in your country.

For some countries additional footnotes are relevant:

5.100 In Region 1, the authorization to use the band 1 810-1 830 kHz by the amateur service in countries situated totally or partially north of 40° N shall be given only after consultation with the countries mentioned in Nos. **5.98** and **5.99** to define the necessary steps to be taken to prevent harmful interference between amateur stations and stations of other services operating in accordance with Nos. **5.98** and **5.99**.

5.101 *Alternative allocation:* in Burundi and Lesotho, the band 1 810-1 850 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis.

5.102 *Alternative allocation:* in Bolivia, Chile, Mexico, Paraguay, Peru and Uruguay, the band 1 850-2 000 kHz is allocated to the fixed, mobile except aeronautical mobile, radiolocation and radionavigation services on a primary basis. (WRC-07)

5.103 In Region 1, in making assignments to stations in the fixed and mobile services in the bands 1 850-2 045 kHz, 2 194-2 498 kHz, 2 502-2 625 kHz and 2 650-2 850 kHz, administrations should bear in mind the special requirements of the maritime mobile service.

Deleting a country from a footnote can be done by the national administration without much paperwork by sending a simple note to a future WRC, announcing that its country doesn't need the allocation by footnote anymore and may be deleted.

73 Ulli

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