



# International Amateur Radio Union Region 1

Europe, Middle East, Africa and Northern Asia

Founded 1950



## General Conference, Davos, 11 to 16 September 2005

<b>SUBJECT</b>	<b>IARU Region 1 HF Bandplan Principles</b>		
<b>Society</b>	<b>NRRL</b>	<b>Country:</b>	<b>Norway</b>
<b>Committee:</b>	<b>C4</b>	<b>Paper number:</b>	<b>11</b>
<b>Contact:</b>	<b>Tom V. Segalstad, LA4LN</b>	<b>e-mail:</b>	<b>t.v.segalstad@nhm.uio.no</b>

### Introduction

It is recommended that the principles for HF bandplanning in IARU Region 1 is discussed and decided on before discussing and deciding on the new complete IARU Region 1 bandplan proposals at the Conference. Such principles are proposed.

### Background

The present IARU Region 1 bandplan was decided on at the IARU Region 1 Conference in 1993. Proposals for a new IARU Region 1 HF bandplan have been discussed at all IARU Region 1 conferences since then.

Some principles for the IARU Region 1 HF bandplan were proposed by NRRL at the IARU Region 1 HF Interim Meeting in Friedrichshafen last year (2004). The NRRL 2004 Position Paper is still available at [www.nrnl.no](http://www.nrnl.no) (go to English pages). The NRRL Position Paper proposals were supported by the majority of the societies present at the meeting.

These principles are proposed again by NRRL in this paper for the present conference.

It is of paramount importance that the bandplanning principles be discussed and decided on before discussing and deciding on the new complete IARU Region 1 bandplan proposals at the Conference.

### Key points and proposal

It is proposed that the IARU Region 1 HF Committee discusses and decides on the fundamental bandplanning principles before discussing and deciding on the new complete IARU Region 1 bandplan proposals at the Conference.

The HF bandplanning basis, on which the current IARU Region 1 HF bandplan is based, accepts CW QSOs across all bands, except within CW beacon segments.

Experience shows that telephony and digital modes cannot share the same segments, and should be assigned separate segments in the HF band plan. The sparse AM activity by users of old or antique radio sets should be accepted in all phone segments.

The establishment of all mode segments, mixing analog and digital modes, should be avoided because of mutual interference.

Digitized speech should be considered a digital mode in bandplan matters, because such a mode is transmitting digital signals determined by a digital protocol (recommendation by the IARU Region 1 Interim Meeting 2004). [For one such protocol, see G4GUO's web pages at [www.chbrain.dircon.co.uk/dvhf.html](http://www.chbrain.dircon.co.uk/dvhf.html) and [www.chbrain.dircon.co.uk/td.html](http://www.chbrain.dircon.co.uk/td.html)].

An IARU Region 1 band plan for 7.0 - 7.2 MHz should be decided on at the next conference in 2008; giving ample time for publication of a new 40 m band plan before 29 March 2009 (when most Region 1 countries are expected to make 7.1 - 7.2 MHz available to the radio amateurs).

The narrow 2.1 kHz wide LF band at 135.7 - 137.8 kHz needs not to be included in the IARU Region 1 HF bandplan. The IARU Region 1 Conference 2002 decided to include the RSGB recommendation for use in the IARU Region 1 HF Manager's Handbook.

The current IARU Region 1 bandplan is well known and receives a high degree of respect and adherence within the IARU Region 1; hence major changes to the bandplan is not necessary for the time being.

### **Recommendations**

It is recommended that the C4 decides on the following proposed principles for new IARU Region 1 HF bandplans, and that the principles be included in the IARU Region 1 HF Manager's Handbook.

1. CW QSOs are accepted across all bands, except within beacon segments.
2. Telephony is limited to certain telephony segments.
3. Digital modes are limited to certain digital segments.
4. AM is accepted in all phone segments.
5. Digitized speech is considered a digital mode regarding bandplan matters.
6. An IARU Region 1 band plan for 7.0 - 7.2 MHz should be decided on at the next conference in 2008.
7. The narrow 2.1 kHz wide LF band at 135.7 - 137.8 kHz needs not to be included in the IARU Region 1 HF bandplan.
8. The current IARU Region 1 bandplan is well known and receives a high degree of respect and adherence within the IARU Region 1; hence major changes to the bandplan is not necessary for the time being.