



# International Amateur Radio Union Region 1 2014 General Conference – Varna-Albena, Bulgaria

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<b>Subject</b>	HF Band Planning		
<b>Society</b>	DARC	<b>Country:</b>	Germany
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## HF Band Planning

### Introduction

Over the years the interest in operation with Digimodes has increased very much leading to congestion in those parts of the bands which are indicated for preferred mode 'Digimodes' in the IARU Region 1 band plan.

### Background

The IARU Region 1 Conference Davos 2005 adopted a new band plan philosophy based on bandwidth. A band plan working group made proposals for the width of different segments based on usage in the years before the Davos Conference.

Since then a lot of innovation in digital communication technique has taken place and is still going on. One major role of amateur radio is experimenting and this justifies particularly the right to require bands allocated by ITU to the amateur service.

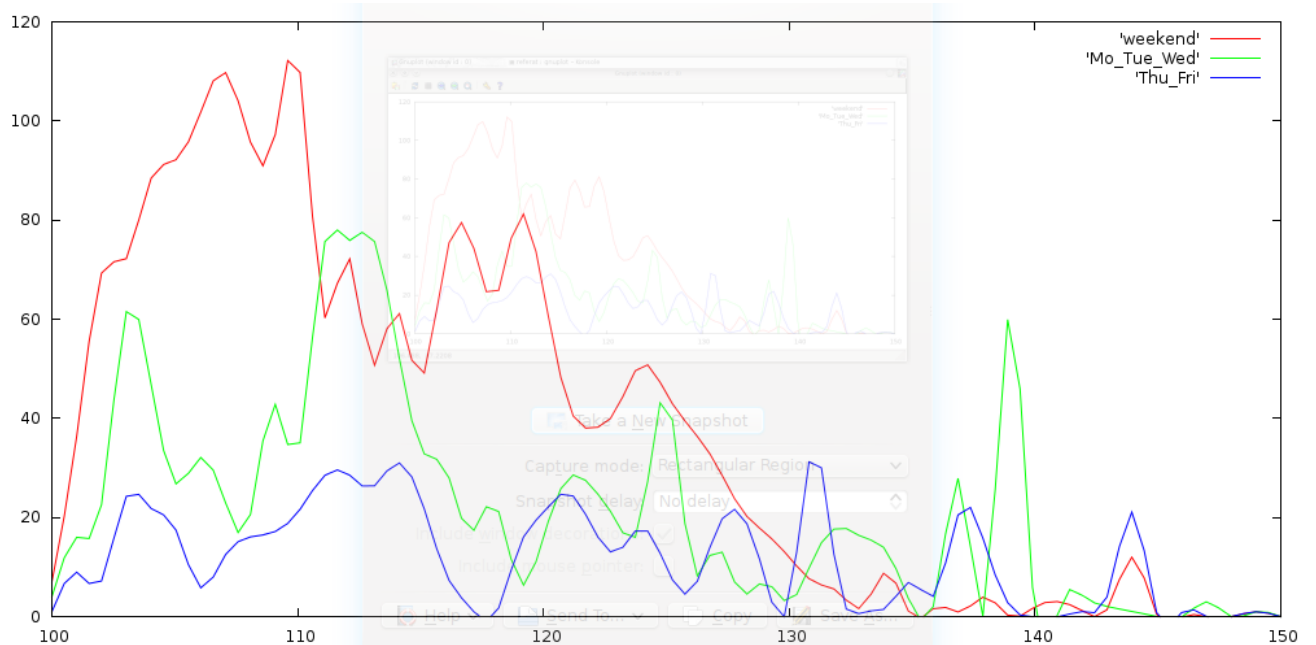
Not on all HF bands the width of Digimode preferred segments seems to be sufficient now to allow experiments and usage with digital modes without congestion. This can be observed especially on the 30 m band, where the band plan shows 10 kHz for Digimodes and 40 kHz for CW. Operations in CW do concentrate in the lower 30 kHz wide part of the band.

Taking into account the desirable worldwide harmonisation of band plans is another reason to discuss this matter at the Varna Conference.

### Recommendation

It is recommended that the IARU Region 1 HF Committee C4 at the Varna conference is discussing the congestion in the segments for preferred usage by digital modes and eventually take appropriate modification to the IARU Region 1 band plan.

## Annex 1



Registered activity by RBN stations in CW mode between 10 100 kHz and 10 150 kHz.

Number of registered activity per 1 kHz wide channel, beacons included (e.g. DK0WCY on 10 144 kHz plus others not coordinated by IARU Region 1 below 10 140 kHz).

Quoted from Website G3RNW:

### 30 m Band Utilization Chart (G3RNW)

[http://homepage.ntlworld.com/wadei/30m\\_band\\_utilization.htm](http://homepage.ntlworld.com/wadei/30m_band_utilization.htm)

The "30 m Band Utilization Chart" is exactly that. It is not a "band plan", nor even an "unofficial band plan". Rather, it is an attempt to graphically portray the many modes that are actually in use on 30 m today. There is a clear distinction between dial frequencies and emitted frequencies, helping you to accurately set the correct frequency and to identify signals as they appear on the waterfall.

Note, however, that the three IARU Region band plans specify the following bandwidth limits in the 30 m band:

- Region I: 10,100 - 10,140: max 200 Hz
- Region I: 10,140 - 10,150: max 500 Hz
  
- Region II: 10,100 - 10,130: max 200 Hz
- Region II: 10,130 - 10,140: max 500 Hz
- Region II: 10,140 - 10,150: max 2 700 Hz

Region III: No maximum bandwidth