



# International Amateur Radio Union Region 1

Europe, Middle East, Africa and Northern Asia

Founded 1950

## Committee C4 (HF Matters) Interim Meeting 20-21 April 2013 InterCity Hotel, Vienna

<b>SUBJECT</b>	<b>Alignment of the 30M Digital Modes Bandplan</b>		
<b>Society</b>	<b>RSGB</b>	<b>Country:</b>	<b>UK</b>
<b>Committee:</b>	<b>C4</b>	<b>Paper number:</b>	<b>VIE13/C4/RSGB4</b>
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### Introduction

The 30 metre band from 10.100-10.150MHz is the smallest allocation in the HF spectrum. Although propagation in this band allows for 24 hours a day communication over many parts of the World, the band plans between Regions 1, 2 and 3 are different, notably in the digital mode segment, resulting in regular operation outside the published bandplans.

### Background

The bandplan at 30 metres for Regions 1, 2, and 3 is shown in the table below:

<b>Frequency</b>	<b>Region 1</b>	<b>Region 2</b>	<b>Region 3</b>
10.100 – 10.130 MHz	CW	CW	CW
10.130 – 10.140 MHz	CW	Narrow band digimodes <500Hz	CW
10.140 – 10.150 MHz	Narrow band modes - digimodes <500Hz	Digimodes <2700Hz	Digimodes (bandwidth not specified)

Increasing interest in digital modes in Region 1 has resulted in digital mode activity spreading down below 10.140MHz as the 10kHz allocation from 10.140-10.150MHz is overcrowded and significant Region 2 digital mode activity is anyway present in Region 1 for many hours of the day.

The popularity of the 30 metre band for DXpeditions and the propagation characteristics usually mean that the DX station operates on frequencies between 10.130 and 10.140MHz, which is outside the band plan except in Region 2.

Observation over a number of years has shown that CW activity on 30 metres is predominantly below 10.130MHz and only rarely extends above, usually when major DXpeditions are active.

Thus, it is believed that changing the Region 1 band plan in the segment from 10.130 - 10.140MHz to permit both CW and narrowband digimodes <500Hz would bring the bandplan into line with current activity and also be consistent with the Region 2 bandplan. It should be noted that the intention is not to exclude CW from the segment, but to provide a buffer for both modes to coexist whilst allowing some flexibility in the band plan at times of high occupancy in any particular mode.

It is additionally hoped that Region 3 would also consider a similar move so that the 30 metre bandplan is fully aligned worldwide with current operating practices.

### Recommendation

1. That the Region 1 bandplan at 30 metres be changed to allow both CW and narrowband digimodes of less than 500Hz bandwidth in the frequency range from 10.130-10.140MHz.
2. That Region 3 be encouraged to also adjust their band plan to harmonise the 30 metre band Worldwide.

In table form, the proposal for Region 1 is shown below with changes in italics:

Frequency	Region 1	Region 2	Region 3
10.100 – 10.130 MHz	CW	CW	CW
10.130 – 10.140 MHz	<i>Narrow band modes - digimodes &lt;500Hz</i>	Narrow band digimodes <500Hz	CW
10.140 – 10.150 MHz	Narrow band modes - digimodes <500Hz	Digimodes <2700Hz	Digimodes (bandwidth not specified)

Noting that CW QSOs are accepted across all bands, except within beacon segments (Recommendation DV05\_C4\_Rec\_13), CW is still accepted in the segment above 10.130MHz.