



# 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>Amendment to the 28MHz Bandplan in relation to the Amateur Satellite Service</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/RSGB1</b>
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### Introduction

The Amateur Satellite Service has ITU allocations that it shares with the amateur service on the 7, 14, 18, 21, 24 and 28MHz bands. Only in the 28MHz does our HF band plan define any specific preferred section of the band for amateur satellite operation. This is the section 29.300-29.510MHz. It is denoted in the R1 bandplan as 'downlink only'.

It is uncertain why this restriction was ever placed in the bandplan as the ITU Radio Regs do not require it. It would actually make a very useful uplink band for small spacecraft as the path losses and Doppler shift are both very low and a reduced size receive antenna on the spacecraft could still provide a usable link budget with most HF transceivers.

### Background

It is understood that the 'downlink only' wording originated some 30+ years ago, when AO7, which is still operational, and some Soviet spacecraft used the band for downlinks. i.e. it reflected actual usage at the time rather than being intended as a sensible constraint.

It is noted that, whilst the Region 2 HF bandplan presently has the same wording, the recently published Region 3 bandplan does not.

### Recommendation

That the 'downlink only' constraint from the usage column of the 28MHz Band plan in the section 29.300-29.510MHz be removed.