



INTERIM MEETING OF VHF & up Committee of IARU REGION 1  
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|------------------------|---|----------------|-------------|
| <b>Document N°</b>     | <b>VIE16_C5_38</b>                      | <b>Society</b> | <b>RSGB</b> |
| <b>Subject</b>         | <b>144 MHz Narrowband Modernisation</b> |                |             |
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## Introduction

The narrowband section of the 144 MHz band plan would benefit from a more logical and flexible structure that reflects current usage and can also accommodate the growth in MGM.

## Background

Whilst C5 has gradually improved other parts of the 144 MHz band plan, the narrowband section has not had any change for many years.

- For example 144.100 (CW MS) and 144.200 (SSB MS) calling is used far less
- There is a conflict between EME and 144.138 PSK usage
- Flexibility is needed to accommodate interference (eg from Ethernet spurii)

RSGB Committees have considered a number of options including moving MGM centres of activity to provide a more uniform space and methods for resolving Voice vs MGM conflicts (mainly for peaks during contests). This paper aims to start the discussion more formally.

## Proposal

Whilst we acknowledge there may be other options worthy of consideration, we suggest the following as the basis of discussion

Realign and replace the five current segments at 144.025 - 144.400 to become:-

| <b>Frequency, MHz</b> | <b>Max Bandwidth</b> | <b>Mode / Usage</b>  |
|-----------------------|----------------------|----------------------|
| 144.025 - 144.100     | 500 Hz               | Telegraphy           |
| 144.100 - 144.150     | 500 Hz               | Telegraphy & MGM     |
| 144.150 - 144.200     | 2700 Hz              | Telegraphy, SSB, MGM |
| 144.200 - 144.400     | 2700 Hz              | Telegraphy & SSB     |

Once the basic structure is agreed, further considerations can then be given to:-

- Updates/deletions of activity centres
- Guidance regarding usage during contests

## Recommendations

- Commit to the principle of reform/change at Vienna and to resolve it at the 2017 General Conference
- Consider the proposal above as a possible option and develop the full solution in the C5 Wiki