

INTERIM MEETING OF VHF & up Committee of IARU REGION 1  
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<b>Subject</b>	<b>Bandplan 70cm repeaters.</b>		
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## Introduction

In the 70cm bandplan there are several errors and incongruities concerning repeaters.

## Current situation

The Region 1 Standard Repeaters system is described to use 434.600 to 434.975 MHz as output frequencies with a -1.6 MHz input. In reality this system is not the standard and hardly used (any more) in the IARU region 1. The range 434.600 to 434.975 MHz as output frequencies is only used in Estonia and also in the Scandinavian countries but then with a -2.0 MHz shift, both because of government limitations (432 - 438 MHz).

The most widely used and by so the Standard Repeater system in IARU region 1 is the one with output frequencies 438.650 to 439.5875 MHz and a -7.6 MHz shift. This is used in Germany, Poland, Switzerland, Austria, Belgium, Bulgaria, Croatia, Czech Republic, Greece, Hungary, Israel, Lithuania, Luxembourg, Portugal, Morocco, Romania, South Africa, Namibia, Slovakia, Slovenia, Spain and Turkey (list not complete).

Also 12.5 kHz spacing is now the standard instead of 25 kHz spacing.

## Proposal

To change the bandplan as follows in the USAGE section:

- 431.050 - 431.9875 Repeater Input Region 1 STANDARD, 12.5 kHz spacing, 7.6 MHz shift.
- 438.650 - 439.5875 Repeater Output Region 1 STANDARD, 12.5 kHz spacing, 7.6 MHz shift.

To **delete** from the bandplan in the USAGE section:

- 433.000 - 433.375 *Repeater Input Region 1 STANDARD, 25 kHz spacing, 1.6 MHz shift.*
- 434.600 - 434.975 *Repeater Output Region 1 STANDARD, 25 kHz spacing, 1.6 MHz shift.*

To add to the bandplan in the USAGE section :

- 432.600 - 432.9875 Repeater Input Region 1 Alternative, 12.5 kHz spacing, 2.0 MHz shift.
- 433.000 - 433.3875 Repeater Input Region 1 Alternative, 12.5 kHz spacing, 1.6 MHz shift.
- 434.600 - 434.9875 Repeater Output Region 1 Alternative, 12.5 kHz spacing, 1.6 or 2.0 MHz shift.

To add to the bandplan in the USAGE section :

- 433.000 - 433.375 Repeater Output in the UK, 25 kHz spacing, 1.6 MHz shift.
- 434.600 - 434.975 Repeater Input in the UK, 25 kHz spacing, 1.6 MHz shift.