



# International Amateur Radio Union Region 1

2017 General Conference – Landshut, Germany

16 – 23 September 2017



Subject	Band plan 70 cm repeaters		
Society	UBA	Country:	Belgium
Committee	C5	Paper Number	LA17_C5_26
Author	Stefan Dombrowski, ON6TI		

## 1. Introduction

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

## 2. Background

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.

### Key points and proposal:

- **To change the band plan 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 band plan 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 band plan 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 band plan in the USAGE section:**

- 433,000 - 433,375 Repeater Output only in the UK, 25 kHz spacing, 1,6 MHz shift
- 434,600 - 434,975 Repeater Input only in the UK, 25 kHz spacing, 1,6 MHz shift