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Subject	28 MHz band plan: access FM-repeater		
Society	UBA	Country:	Belgium
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## 28 MHz band plan: access FM-repeaters.

### Background

In the coming years the range of 10 m FM-repeaters will be increasing due to higher solar activity. This will also lead to more activity and risk of mutual interference.

### Motivation

The 1750 Hz access system is obsolete and not selective. In case of good propagation one amateur sending a 1750 Hz on a repeater input-frequency will open several repeaters at the same time. We propose to ban the 1750 Hz tone burst system and to make CTCSS access mandatory. In addition, a plan should be made to geographically spread the CTCSS frequencies to be used.

### Current situation

See the HF-handbook V7.0, page 4.5-1.

### Proposal

To change the text of Chapter 4.5 as follows (changes in bold italics):

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#### GUIDELINES FOR COORDINATION

The distance between two repeaters using the same frequency pair should be at least 250 km.

If the distance of a repeater-location to the border of a neighbouring country is less than 250 km, the HF Committee or the neighbouring national society must be consulted for co-ordination.

***Access to the repeaters shall only be possible with a continuous sub tone (CTCSS). Other selective access methods (DTMF tones) may be allowed in parallel.***

If ***a*** radio link is used between the repeater's RX and TX, it is ***also*** advisable to use a sub tone system (CTCSS).

The holder of a 29 MHz repeater license is free to switch off the repeater when it is misused or if the repeater in normal conditions causes interference with another one.

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