INTERIM MEETING OF THE IARU REGION 1 VHF/UHF/MICROWAVE COMMITTEE VIENNA 19.- 21. April 2013

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Subject	Repeater Access Methods
Society	DARC
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Status	Proposal

Introduction

The technical recommendations in the VHF-Managers Handbook 6.0 given on Page 120, FM.2 Clause 10 and Clause 2 need to be reconsidered, because of contradictory requirements in the text.

Background

Clause 2

2. Operation: Without a new selective call the operating time for a repeater shall be between 3 – 10 minutes. The frequency of the selective call shall be 1750 Hz. **As an alternative the CTCSS and/or DTMF as described in below can be used.** When the signal to be relayed has disappeared or the operating time has come to an end the repeater station shall send its own call, and 15 seconds thereafter the transmission shall be interrupted. It should not be possible to interrupt the automatic identification transmission by a selective call. For the station identification F2A modulation shall be used.

When working through a repeater station the lowest usable power consistent with good communication is recommended.

ITEM 10

10 CTCSS: The use of CTCSS as an alternative or an addition to 1750Hz tone access shall be encouraged for VHF and UHF repeaters in Region 1 with the aim of reducing inadvertent interference by users to repeaters sharing the same input channel. To minimise mutual unwanted interference, all FM repeaters will incorporate CTCSS tones on receivers as well as on transmitters. The transition period ends by the end of 2014.

11. DTMF: The DTMF system as specified below can be used as an alternative to the control of repeaters, voice mail boxes etc.

Key points and proposal

In Clause 2 (Operation) 1750 Hz or CTCSS can be used as <u>alternative</u> but in Clause 10 <u>only</u> CTCSS shall be used after 2014. These items are conflicting. The texts of both items need to be harmonised for doubtless understanding.

Recommendation

Clarify the objection in the VHF-Managers Handbook. To point out, that both CTCSS and 1750 Hz Repeater Access Tone are appropriate methods. To delete the "end of transition period" in Clause 10. To add a recommendation in Clause 10 to use CTCSS in densely populated areas in order to avoid interferences.