



<b>SUBJECT</b>	<b>Segment Expansion – 40m</b>		
<b>Society</b>	<b>DARC</b>	<b>Country:</b>	<b>Germany</b>
<b>Committee:</b>	<b>C4</b>	<b>Paper number:</b>	<b>CT08_C4_10v2</b>
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## Introduction

In 2009 we will get an additional primary allocation of 100 kHz for the 40m band within IARU Region 1. This allows us to adapt the 40m bandplan to the needs of daily usage and for some but not all contests.

## Background

In the actual bandplan it is said, that after the full primary access to the new part of the 40m band is effective, the segments for maximum bandwidth of 200 Hz and 500 Hz will be extended.

A bandplan is a compromise which incorporates various interests under many circumstances. The main objective of a bandplan is to have a guide for the daily usage and contest activities should be considered as well but should not determine the bandplan alone.

With this in mind it is obvious, that a proportional expansion of the 200 Hz and 500 Hz segments would be not appropriate, since the observation of the daily use and for most contests in these parts of the band is showing that a conservative increase in segment width would meet the needs.

With the conformable interpretation of the bandplan an extreme need during a big contest is covered by

- a) CW allowed all over the band – for CW contests,
- b) all narrow band modes – for Digimode contests with bandwidth up to 500 Hz,
- c) all modes - for Digimode contests with bandwidth up to 2700 Hz, which includes even conventional RTTY with 170 Hz shift,

and makes a “spillover” possible if the maximum bandwidth is observed and unless the contest rules itself are setting certain band limits.

It is unlikely that all broadcasters will follow the new allocation immediately and therefore an additional argument not to make proportional expansions.

## Proposal

It is proposed to extend the segment

200 Hz, CW by 5 kHz

500Hz, all narrow band modes, Digimode by 5 kHz

2700 Hz, all modes, Digimode by 7 kHz

3 kHz of the 500 Hz and 2700 Hz segment, Digimode, are preferable to be used by automatically controlled data stations (unattended).

## Recommendation

The Bandplan Working Group is requested to modify the 40m bandplan in consideration of the arguments for the proposed extension by 5 kHz for 200Hz, CW) by 5 kHz for 500 Hz, all narrow band modes and by 7 kHz for the 2700 Hz, all modes segment.

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Attachment (which is including for clarity reason other DARC proposals or recommendations)

**7000 – 7040 kHz** 200 Hz CW

**7040 – 7047 kHz** 500 Hz all narrow band modes, Digimode

**7047 – 7050 kHz** 500 Hz all narrow band modes, Digimode, automatically controlled data stations (unattended)

**7050 – 7053 kHz** 2700 Hz all modes, Digimode, automatically controlled data stations (unattended)

**7053 – 7060 kHz** 2700 Hz all modes, Digimode

**7060 – 7100 kHz** 2700 Hz all modes, SSB contest preferred

**7100 – 7150 kHz** 2700 Hz all modes

**7150 – 7200 kHz** 2700 Hz all modes, SSB contest preferred

### Centres of activity:

CW QRP : **7030 kHz**

Image: **7056 kHz** (was 7043) or **7165 kHz** (like Region 2)

SSB QRP: **7090 kHz**