International Amateur Radio Union Region 1

2017 General Conference – Landshut, Germany
16 – 23 September 2017

Subject	**Alternative Narrow-Band working frequencies in the 2 300/2 400 – 2 450 MHz band**		
Society	**EDR**	Country:	**Denmark**
Committee:	**C5**	Paper number:	**LA17_C5_29**
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On several previous occasions the future of the 2 300 – 2 400 MHz band has been raised during working group meetings or conferences. (i.e. Doc. 90/TS/C5.47 – Torremolinos, Doc. B 01, Newsletter 51, Vienna 2010 and Vienna 2013 - and more recently: Doc VA14_C5_13)

The wording from the latter document: "Now reality is catching up fast. The segment 2 300 – 2 400 will be occupied by commercial services in many European countries within the next few years (WGFM-PT52)."

In Denmark, we will have to evacuate that part of the band by the end of 2018. In Sweden access is only granted on a six-month basis to individual amateurs! Several other societies have now been warned about changes in their status in the band within the next few years!

It seems like we will need to establish an alternative narrow-band segment for terrestrial traffic and possibly find a solution to co-exist with amateur satellite traffic and WLAN, microwave ovens, etc., within the 2 400 – 2 450 MHz (ISM) segment?

As it has happened in the past when changes were necessary e.g. 2 304 to 2 320 GHz and 24 192 to 24 048 GHz.

We hope a suitable solution can be found for countries not able to stay below 2 400 MHz, and thus suggest the C5 committee to establish a narrow band segment within the 2 400 - 2 450 MHz segment.

From the C5 minutes in 2014:
"Document VA14_C5_13 from EDR - Narrow Band Working Frequencies 2300/2400 – 2450 MHz EDR notes that it is likely that current uses in the band 2300 – 2400 MHz will need to be transferred to spectrum in the range 2 400 – 2 450 MHz (ISM) segment and will be required to co-exist with amateur satellite traffic, WiFi and WLAN, microwave ovens, blue tooth devices and other ISM and SRD applications.

Actions Arising:

* G6JYB to continue addressing the 2,3 GHz issue
* Continue discussions on this matter in the Wiki
* Liaise with IARU Region 2 and IARU Region 3 concerning a solution for the implementation of IMT systems in the 2,3 GHz band.