

NEWSLETTER

Edition 26 Spring 2021

Uzbekistan Arrives on 5 MHz

INFORMATION comes from Fedor, UK9AA, of the [Radio Amateurs of Uzbekistan](#), to tell us that permission has been received for Category 1 Uzbek licensees to operate in the new WRC-15 Amateur 60m Secondary Allocation of 5351.5 – 5366.5 kHz with a Maximum Power of 100W. Prior to this, Fedor was able

to obtain a special individual permit from the regulator in 2014, making his first 5 MHz QSO in 2015. He believes he was the first in the CIS region to have received a licence for 60m.

(Tnx: UK9AA, RAU)



5 MHz for Austria



CLAUS, OE6CLD, the HF Manager of the Austrian National Amateur Radio Society, OeVSV, informs us that the Austrian regulator, BMVIT, has granted access to the 60m (and 630m) band for all CEPT Class 1

licensees in December 2020. *"It took some time (three years) but we just got a nice Christmas present from the Austrian BMVIT. Please check the official document page 6 for further details"* said Claus.

The frequency range is the WRC-15 Amateur Secondary Allocation of 5351.5 – 5366.5 kHz at 15W EIRP (5.133B) Max. bandwidth is per the provisions of the Austrian Amateur Licence - AFV. (Tnx: OE6CLD, BMVIT)

5 MHz in South Africa

IN terms of the outcome of the World Radio Conference 2015 where radio amateurs gained access to the 60 m band, regulator ICASA published on 25 May 2018 in the National Radio Frequency Plan an allocation of 100 kHz of spectrum to South African Amateurs. There are two separate footnotes in the plan, splitting access to the 60 m band into three segments. In footnote 5.133B there is an allocation of 5 351.5 - 5 366.5 kHz with a power limit of only 15 W EIRP. This is the most common allocation in countries where 60 m is permitted.

In footnote NP 0, ICASA has allocated a full 100 kHz. The footnote reads, "The 5 350 - 5 450 kHz segment and the channel 5 290 kHz are allocated on a secondary basis to radio amateurs under Article 4.4 of the ITU regulations. The entire allocation is on a secondary basis which means radio amateurs may not cause interference. ICASA has however not yet updated Annexure I of the Frequency Spectrum Regulations which stipulates power limits and modulation types. However, in the SARL's motivation to have 100 kHz of 5 MHz spectrum allocated, the SARL

requested a power limit of 26 dBW (400 Watts PEP) for ZS and ZR licence holders and 20 dBW (100 watt PEP) for ZU licence holders. These power limits are common in South Africa for all bands that are allocated on a secondary basis. On bands where amateur radio has a primary allocation, the power limit for ZS and ZR licensees is 30 dBW. The current situation is that these power limits for secondary allocations apply on 5 MHz except for the segment 5 351.5 to 5 366.5 kHz where only 15 Watt EIRP is permitted.

(Tnx: SARL)



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Worth the Wait ?

5 MHz Allocation Change for Israel



WHILST WRC-15 has brought about many new allocations, it has also brought about some changes in allocations - not always quite as welcome.

Israel, which previously had nine 3 kHz-wide channels between 5288.5 and 5407.0 kHz at 100W PEP has now been changed to the new 15 kHz-wide WRC-15 Amateur

Secondary allocation of 5351.5 to 5366.5 kHz at 25W measured at the transmitter output.

(Tnx: 4X1LT, IMOC)

MARS on 5 MHz !

WOW ! The ultimate DX ! As you 've probably guessed, MARS doesn't mean the red planet. MARS in fact stands for the **Military Auxiliary Radio System**. It is a United States Department of Defense sponsored programme, established as a separately managed and operated programme by the United States Army & the United States Air Force. The programme is a civilian auxiliary consisting primarily of licensed amateur radio operators who are interested in assisting the military with communications on a regional and national level when access to traditional forms of communication

may no longer be available. The MARS programmes also include active duty, reserve, and National Guard units.

[A video demonstrates 60-meter interoperability between amateur and non-amateur stations.](#) The Ohio Section National Traffic System (NTS) Buckeye Net had check-ins from two non-amateur stations during the Military Auxiliary Radio System (MARS) COMEX-21 exercise on February 27. During the call-up, Steve Judd, WB8YLO, Department of Defense MARS, and Department of Homeland Security SHARES

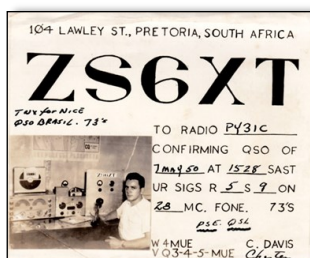
stations checked in on SSB and exchanged traffic using digital modes, supported by amateur operators.

The net session offers a clear demonstration of interoperability between amateur and non-amateur stations on 60 meters and would make an interesting club programme (the video runs just over 28 minutes). Ohio Assistant Section Emergency Coordinator Matthew Curtin, KD8TTE, said the Buckeye Net typically operates on 60 meters during Cycle Two, because that provides the best quality circuit for stations in Ohio.

(Tnx: KD8TTE, ARRL)



The Worked All ZS Challenge on 5 MHz



FIRST WAZS ON 60 M BAND
- The late Pieter Jacobs
ZS6XT was the first person on 14 July 2020 to be awarded WAZS on 5 MHz with 135 confirmed contacts. Pieter became a radio amateur in May 1997 when he obtained the callsign ZR6XT. In October 1997 he passed the Morse Code test and became ZS6XT. Pieter became a silent key on 20 November 2020.

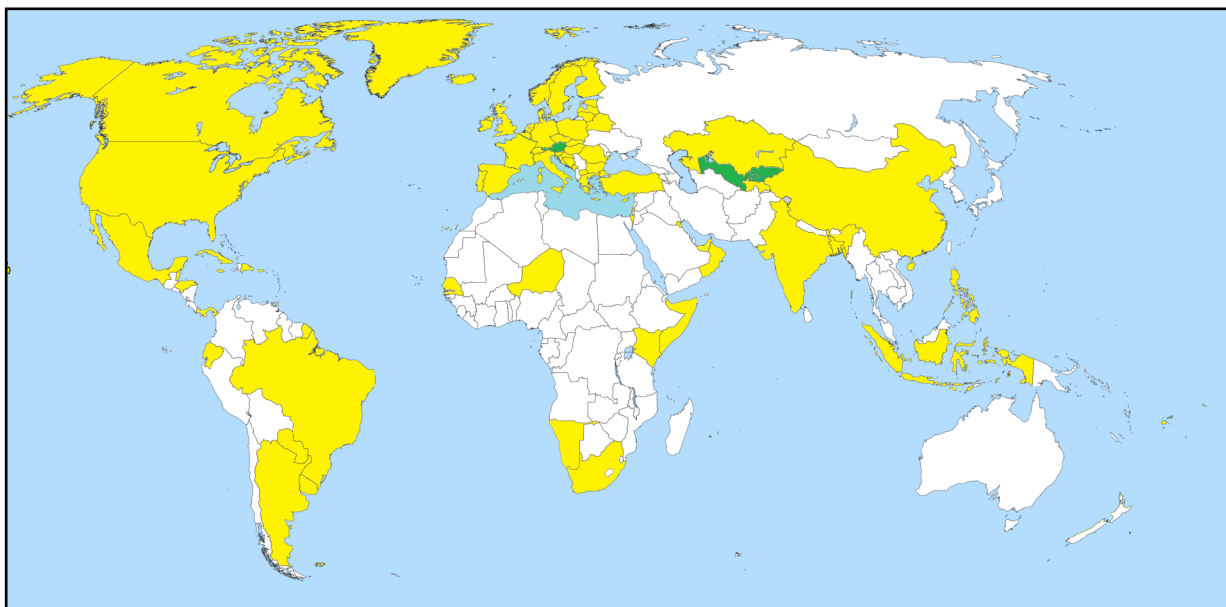
THE SARL is challenging radio amateurs to use the 60-metre band and work towards the SARL Worked All ZS award. The Worked All ZS series of awards is available to all radio amateurs and short-wave listeners. Applicants must prove two-way contacts (or SWL reports) with at least 100 South African callsigns. The 60 M WAZS award will carry a special "worked on 5 MHz" endorsement. The callsigns must represent the different call areas as per the WAZS rules as follows:

ZS1 16 contacts
ZS2 8 contacts
ZS3 1 contact
ZS4 6 contacts
ZS5 13 contacts
ZS6 56 contacts
Radio Amateurs are encouraged to give genuine signal reports as the data will be processed and will make part of a study of propagation of the 60-metre band. Each application must show the date, time, frequency, power used, both callsigns, and the given and received accurate signal reports.

For application details visit http://www.zs6p.com/SARL_Awards_Directory.pdf or [click here](#)



The World of 5 MHz - Spring 2021



THIS MAP shows all the countries that currently have an official Amateur Radio presence on 5 MHz, whether it be by WRC-15, RR 4.4, Trial Basis or Individual Special Permits. They are (latest in **Green**):

*Andorra, Argentina, **Austria**, Bahrain, Bangladesh, Barbados, Belarus, Belgium, Belize, Bosnia & Herzegovina, Brazil, Bulgaria, Canada, Caribbean Netherlands, Cayman Islands, China, Croatia, Cuba, Cyprus, Czech Republic, Denmark including the Faroe Islands, Dominica, Dominican Republic, Ecuador, Estonia, Finland, France & Territories, Germany, Greece, Greenland, Grenada, Honduras, Hong Kong, Hungary, Iceland, India, Indonesia, Israel, Italy, Jamaica, Kazakhstan, Kenya, Kuwait, Latvia, Lithuania, Luxembourg, North Macedonia, Malta, Mexico, Namibia, Netherlands, Niger, Norway, Oman, Panama, Paraguay, Philippines, Poland, Portugal including the Azores Islands, Republic of Ireland, Romania, Samoa, Senegal, Slovakia, Slovenia, Somalia, South Africa, Spain, St Kitts & Nevis, St. Lucia, Sweden, Switzerland including Liechtenstein, Tajikistan, Trinidad & Tobago, Turkey, United Arab Emirates, United Kingdom, United States of America & Dependencies, Uruguay and **Uzbekistan**.*

Given that there are reckoned to be 195 countries in the World (UN) and at the present time of Spring 2021 there is a total of 80 countries currently with a 5 MHz/60m Amateur Radio presence means that 41.02% - or well over one third of the World - is now active on 5 MHz/60m, with hopefully more to come as administrations gradually adopt the WRC-15 decision in whatever format they are able to.

Useful Websites for 5 MHz

60 m / 5 MHz Activity Spotting Sites:

- [DXSummit 5 MHz page](#)
- [Dxmaps.com - Real Time Activity Map 60m page](#)
- [Reverse Beacon Network 60 m page](#) (CW Skimmer system)
- [DXWatch 60 m page](#)

[WebSDR Project](#) - an on-line receiver resource, a number of which cover 5 MHz / 60 m

[KiwiSDR Public Portal](#) - on-line receivers with a facility for Direction-Finding (TDoA)

Modifications to commercial amateur HF Transceivers to enable 5 MHz / 60 m operation – see <http://www.mods.dk/>

[Interactive List of Ionosonde Stations](#)

60 m / 5 MHz Newsletters:

- [The 5 MHz Newsletter](#) (current edition) and its [Archive](#) page
- '60 Meters Online': – US 60 m Activity Information Website and Newsletters
- [Petr, OK1RP's 60m Blogspot Page](#)

G4MWO's [Worldwide Amateur 5 MHz Allocation Chart](#)

[Radio Society of Great Britain 5 MHz pages](#)

[South African Radio League 60 m Countries List](#)

[UK NVIS PowerPoint Presentation](#) (G4MWO)

[ITU Regional Map](#)

[DL8WX's Interactive Worldwide HF Beacon List](#)

[5 MHz Channel ALE Frequencies](#) - HFLink

Reader's Feedback - G4UDU 60/60 Antenna

Hi Paul

Many thanks for an interesting 5MHz Newsletter No.25 as usual. The G4UDU 60/60 Antenna for 5 MHz article caught my attention. Because I am in the midst of completing an 80m end fed kit I acquired from a Dutch company called 'HF kits' which not only supplies an excellent range of parts it also gives a great deal of information in English as well as Dutch. According to the accompanying documentation he is right about the counterpoise but the placing of the 1:1 choke balun is different.

Kind regards

Ken Thompson G1PJO

Ken provided these two URLs to explain his correspondence:

<https://www.hfkits.com/end-fed-antennas-a-critical-view/>

<http://nuke.ik0ixi.it/Antenne/L'Olandesina/tabid/606/language/en-US/Default.aspx>

5 MHz Supporter on AM Shortwave Broadcasting

Listen to Southgate News on Shortwave Radio



Click here for programme times

LONGTIME 5 MHz supporter Southgate ARC News now has a 1 hr-long SW BC programme 'C Q Serenade' featuring Amateur Radio news from around the world on Shortwaveradio.de. This AM broadcast station is run

by shortwave radio enthusiasts on a non-political and non-commercial basis. The transmitting location is in Lower Saxony / Germany in accordance with a licence issued by the German Federal Network Agency on 6160 and 3975 kHz at 1 kW. Contributors are from Australia, New Zealand, USA, Europe and the UK - in fact the callsign of one of the UK presenters may be vaguely familiar.....

shortwaveradio.de		3975 kHz 6160 kHz
Broadcasting in AM to the UK, Ireland and the Benelux		Inside the 75 and 49 meter international shortwave bands
'CQ Serenade' carrying Southgate Amateur Radio News and Amateur Radio Newswire New schedule for Southgate Amateur Radio News / Amateur Radio Newswire: (effective October 25th, 2020)		
Saturday:	14:00 UTC (15:00 CET) on 3975 and 6160 kHz	
	20:00 UTC (21:00 CET) on 3975 kHz	
Sunday:	10:00 UTC (11:00 CET) on 3975 and 6160 kHz	
	14:00 UTC (15:00 CET) on 3975 and 6160 kHz	
	16:00 UTC (17:00 CET) on 3975 kHz	
	20:00 UTC (21:00 CET) on 3975 kHz	
Monday:	07:00 UTC (08:00 CET) on 3975 kHz	
	17:00 UTC (18:00 CET) on 3975 kHz	
Tuesday:	22:00 UTC (23:00 CET) on 3975 kHz	
Wednesday:	07:00 UTC (08:00 CET) on 3975 kHz	
	13:00 UTC (14:00 CET) on 6160 kHz	

Postscript.....



Hi All,

Well it 's nice to be able to welcome two newcomers to 5 MHz on the front page compared to that of the last edition. One thing you notice is that they 've both had to wait. It 's amazing how bureaucracy varies from country-to-country ; some can release spectrum far more quickly than others, it all depends on how amateur radio is written into a country 's legislation.

That didn 't stop Fedor asking for a trial period, as can be seen from our first story....and it eventually bore fruit. One thing we have to bear in mind in the present situation of course with lockdowns and working from home is that things can inevitably take longer. Better safe than sorry, though. Take care,

Paul Gaskell, G4MWO,
Editor, The 5 MHz Newsletter

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