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GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS

DEPARTMENT OF SCIENCE AND INNOVATION

NO. 316

6 April 2021

NOTICE OF THE REVISED EXEMPTED RADIO FREQUENCY SPECTRUM FOR THE KAROO CENTRAL ASTRONOMY ADVANTAGE AREA

I, Dr. Bonginkosi Emmanuel Nzimande, Minister of Higher Education, Science and Innovation published the exempted frequency spectrum as outlined in the Regulations for the Protection of the Karoo Central Astronomy Advantage Areas (herein after referred to as the "KCAAA Regulations") in Government Gazette No. 42531, under Notice No. 926 on 14 June 2019.

In accordance with Regulation 3(4) of Schedule B of the KCAAA Regulations and having received concurrence from the Independent Communications Authority of South Africa (ICASA), I hereby publish the revised radio frequency spectrum exempted for use within the KCAAAAs as set out in the attached schedule. As a result of the aforementioned I extended the period for compliance with the Regulations on the Protection of the Karoo Central Astronomy Advantage Areas, made under the Astronomy Geographic Advantage Act, 2007, to 15 December 2021 (Notice No. 1293, published in Government Gazette No. 43967, on 4 December 2020)

Interested and affected parties are invited to submit written representations on or objections to the intended revised exempted radio frequency spectrum for the Karoo Central Astronomy Advantage Area within 60 (sixty) days of publication of the said notice

In terms of Regulation 3(2) of Schedule A of the KCAAA Regulations (extended to 15 December 2021), the use of the radio frequency spectrum from 100MHz to 25 500 MHz (25.5 GHz) within the KCAAA will be prohibited. Only the radio frequency spectrum exempted from the prohibition as stated in the attached schedule may subsequently be used if a permit has been issued in terms of Regulation 4 of Schedule B of the KCAAA Regulations.

All licensees and licence exempt operators who conduct radio transmissions within the KCAAAAs, except for those who are exempted in terms of Regulation 5 of Schedule A of the KCAAA Regulations, are required to apply for a permit from the Astronomy Management Authority (AMA), a unit of the Department of Science and Innovation, in order to be able to continue to operate within the KCAAAAs.

The application forms for permits were published in Government Gazette No. 42085, under Notice No. 1337, on 05 December 2018. The application forms are available at the Department of Science and Innovation offices and online at <https://ama.dst.gov.za>.

Any enquiries regarding this notice may be addressed to Mr. Mere Kgampe at 012 348 6644 or email Mere.kgampe@dst.gov.za .



DR BE NZIMANDE, MP
MINISTER OF HIGHER EDUCATION, SCIENCE AND INNOVATION

DEPARTEMENT VAN WETENSKAP EN INNOVASIE

NO. 316

6 April 2021

KENNISGEWING VIR DIE HERSIENDE VRYSTELLING VAN RADIOFREKWENSIE SPEKTRUM VIR GEBRUIK BINNE DIE KAROO SENTRALE ASTRONOMIEVOORDEELGEBIEDE

Ek, Dr. Bonginkosi Emmanuel Nzimande, Minister van Wetenskap en Innovasie, het die vrygestelde radiofrekwensie, soos uiteengesit in die Regulasies vir die Beskerming van die Karoo Sentrale Astronomievoordeelgebiede (hierna genoem die KCAAA), gepubliseer in die Staatskoerant Nr. 42531 onder kennisgewing Nr. 926 op 14 Junie 2019.

In ooreenstemming met Regulasie 3(4) van Bylae B van die KCAAA Regulasies, en met instemming van die Onafhanklike Kommunikasie-owerheid van Suid-Afrika (ICASA), publiseer ek, hiermee die hersiende radio frekwensiespektrum wat vrygestel is vir gebruik binne die KCAAA's soos uiteengesit in die aangehegte bylaag.

As gevolg van die voorgenoemde het ek die periode om te voldoen aan die Regulasies vir die Beskerming van die Karoo Sentrale Astronomievoordeelgebiede, gemaak ingevolge die Wet op Geografiese Astronomievoordeelgebiede, 2007, verder verleng tot 15 Desember 2021 (Kennisgewing Nr. 1293, Staatskoerant Nr. 43967 op 4 Desember 2020).

Belangstellende en geaffekteerde partye word uitgenooi om binne 60 (sestig) dae, vanaf die publikasie van die kennisgewing skriftelike vertoë of besware teen die voorgenome hersiende radio frekwensiespektrum binne die Karoo Sentrale Astronomievoordeelgebiede te rig.

Ingevolge Regulasie 3(2) van Bylae A van die KCAAAA regulasies (verleng tot 15 Desember 2021), sal die gebruik van die radiofrekwensiespektrum tussen 100 MHz tot 25 500 MHz (25.5 GHz), binne die KCAAA's verbode wees. Slegs die radiofrekwensiespektrum wat vrygestel is van die verbod soos vermeld in die aangehegte bylaag, mag daarna gebruik word en slegs indien 'n permit uitgereik is ingevolge Regulasie 4 van die Bylae B van die regulasies.

Alle lisensiehouers en lisensie-vrygestelde operateurs wat radio-uitsendings binne die KCAAA's uitvoer, behalwe dié wat ingevolge Regulasie 5 van Skedule A van die regulasies vrygestel is, moet aansoek doen vir 'n permit van die Astronomie Bestuursgesag (AMA), 'n eenheid van die Departement van Wetenskap en Innovasie, om te kan voortgaan om binne die KCAAA's te funksioneer.

Die aansoekvorms vir permitte is gepubliseer in die Staatskoerant Nr. 42085 onder Kennisgewing Nr. 1337 op 05 Desember 2018. Die aansoekvorms is beskikbaar by die Departement van Wetenskap en Innovasie en aanlyn by die webadres: <https://ama.dst.gov.za>.

Enige navrae aangaande hierdie kennisgewing kan gerig word aan Mnr. Mere Kgampe by telefoonnommer: (012) 843 6644 of e-pos: mere.kgampe@dst.gov.za



DR BE NZIMANDE, LP

MINISTER VAN HOËR ONDERWYS, WETENSKAP EN INNOVASIE

SCHEDULE

REVISED RADIO FREQUENCY SPECTRUM BANDS PROPOSED TO BE EXEMPTED FROM THE PROHIBITION OF ITS USE IN THE KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS.

1. The band between 100 MHz to 200 MHz is exempted from the prohibition of its use, for all existing radio communication transmissions which were lawful immediately before the promulgation of the Regulations for the Protection of the Karoo Central Astronomy Advantage Areas (herein after referred to as the "KCAAA Regulations") as published in Government Gazette No. 41321, under Notice No. 1411, on 15 December 2017.
2. In the paired bands allocated to mobile services, all uplink frequency bands are exempted from the prohibition in terms of sub-regulation 5(3) of Schedule A of the KCAAA Regulations.
3. All space-to-earth frequency bands allocated in terms of Independent Communications Authority of South Africa's (ICASA) National Radio Frequency Plan 2018 as published in Government Gazette No. 41650, under Notice No. 266, on 25 May 2018 as amended, are exempted from the prohibition in sub-regulation 3(2) of Schedule A of the Regulations.
4. All allocations to operate in line with specifications in ICASA National Radio Frequency Plan and Radio Frequency Spectrum Regulations.

**TABLE OF FREQUENCY ALLOCATION FOR THE
DECLARED KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS**

Frequency band	Allocation to services	Proposed change
138 – 144 MHz	FIXED	none
	MOBILE	Include both links
144 – 146 MHz	AMATEUR	none
366 – 380 MHz	GOVERNMENT SERVICES AND PUBLIC SAFETY	none
440 – 441	FIXED	none
416.1 – 417.625	MOBILE	none
450 – 453 MHz	FIXED	none
460 – 463 MHz	FIXED	none
454 – 460 MHz	MOBILE	Swopped BTX and MTX
935.1 – 946.1 MHz	MOBILE	Extend the band by 100kHz on both sides to cover all licensed spectrum.
946.5 – 948.9 MHz	MOBILE	Extend the band by 100kHz on both sides to cover all licensed spectrum.
951.1 – 959.7 MHz	MOBILE	Extend the band by 100kHz on both sides to cover all licensed spectrum.

Frequency band	Allocation to services	Proposed change
1880 – 1900 MHz	FIXED	Allocated to FIXED service not MOBILE
2110 – 2125 MHz	MOBILE	none
2140 – 2155 MHz	MOBILE	Additional allocation for MTN
2307 – 2387 MHz	FIXED	none
2401 – 2481 MHz	FIXED	none
5470 – 5720 MHz	ISM	Should be removed to short range devices
7443 – 7583 MHz	FIXED	none
7611 – 7751 MHz	FIXED	none
8282 – 8297 MHz	FIXED	none
8408 – 8423 MHz	FIXED	none
10154 – 10294 MHz	FIXED	none
10450 – 10500 MHz	RADIOLOCATION	Consider the possibility of migrating or including secondary allocation in 10504 - 10644
10504 – 10644 MHz	FIXED.	none
13.75 – 14.5 GHz	FIXED SATELLITE (Earth-to-space)	Satellite earth stations

The following frequency bands are exempted in terms of sub-regulation 5(2) of SCHEDULE A of the Regulations for apparatus exempt from ICASA radio frequency spectrum licences that transmit EIRP of 250 mW or less and should also operate in accordance with the specifications in Annexure B of ICASA's Radio Frequency Spectrum Regulations 2015.

Revised Exempted Band	Apparatus
141 – 142 MHz	Remote control industrial apparatus.
148 – 152 MHz	Wild life telemetry tracking.
402 – 405 MHz	Medical Implants/ Doppler shift movement detectors, wireless microphones, garage door openers and motor car alarm systems.
433.05 – 434.79 MHz	Non-specific SRDs
863 – 865 MHz	Wireless Audio Systems / Wireless microphones
865 – 868 MHz	RFID
869.25 – 869.3 MHz	Alarms
915.1 – 915.2 MHz	Real time location system
2400 - 2483	WLAN / Non-specific SRDs/ FDDA / Low Power Video surveillance
5150 – 5350 MHz	WAS/RLAN (indoor)
1880 – 1900 MHz	DECT cordless phones

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