



# Government Gazette Staatskoerant

REPUBLIC OF SOUTH AFRICA  
REPUBLIEK VAN SUID AFRIKA

Vol. 642

5 December 2018  
Desember

No. 42085

N.B. The Government Printing Works will not be held responsible for the quality of "Hard Copies" or "Electronic Files" submitted for publication purposes

ISSN 1682-5843



**AIDS HELPLINE: 0800-0123-22 Prevention is the cure**



**IMPORTANT NOTICE:**

**THE GOVERNMENT PRINTING WORKS WILL NOT BE HELD RESPONSIBLE FOR ANY ERRORS THAT MIGHT OCCUR DUE TO THE SUBMISSION OF INCOMPLETE / INCORRECT / ILLEGIBLE COPY.**

**No FUTURE QUERIES WILL BE HANDLED IN CONNECTION WITH THE ABOVE.**

**Contents**

		<i>Gazette</i>	<i>Page</i>
<i>No.</i>		<i>No.</i>	<i>No.</i>
GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS			
Science and Technology, Department of/ Wetenskap en Tegnologie, Departement van			
1337	Astronomy Geographic Advantage Act (21/2007): Publication of the forms required to implement the Karoo Central Astronomy advantage areas regulations, in terms of the Act.....	42085	4

---

**GOVERNMENT NOTICES • GOEWERMENTSKENNISGEWINGS**

---

**DEPARTMENT OF SCIENCE AND TECHNOLOGY****NO. 1337****05 DECEMBER 2018****PUBLICATION OF THE FORMS REQUIRED TO IMPLEMENT THE KAROO CENTRAL ASTRONOMY ADVANTAGE AREAS REGULATIONS, IN TERMS OF THE ASTRONOMY GEOGRAPHIC ADVANTAGE ACT, 2007**

I, Mmamoloko Kubayi-Ngubane, Minister of Science and Technology, published the effective date of the Regulations for the protection of the Karoo Central Astronomy Advantage Areas in terms of sections 50 and 51 of the Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) on 5 September 2018, in *Government Gazette* No. 41891, under Notice No. 939, to be 15 December 2018. I hereby publish the forms required to be used in terms of the said Regulations. The forms as included in the attached Schedules are the following:

FORM 1: Application for competent person accreditation;

FORM 2: Karoo Central Astronomy Advantage Areas (AAAs) Permit Application required in terms of Schedules A and B of the Regulations in connection with radio communications with Astronomy Management Authority assessment;

FORM 3: Karoo Central AAAs Permit Application required in terms of Schedules A and B of the Regulations in connection with radio communications with applicant/competent person assessment;

FORM 4: Karoo Central AAAs Financial Compensation Application in terms of Schedule C of the Regulations; and

FORM 5: Karoo Central AAA1 Permit Application required in terms Regulation 3 of Schedule D of the Regulations in connection with electrical activities.

The application forms are available online and at the Astronomy Management Authority Office, within the Department of Science and Technology:

Website address: <https://ama.dst.gov.za>

Or


Mr Mere Kgampe  
Dept of Science and Technology  
Building 53, CSIR Campus  
Meiring Naude Road  
Brummeria  
Pretoria  
0184

Or Dept of Science and Technology  
Private Bag X894  
Pretoria  
0001

Enquiries can be made at telephone number 012 843 6644 or E-mail address [mere.kgampe@dst.gov.za](mailto:mere.kgampe@dst.gov.za)



**MS MT KUBAYI-NGUBANE, MP**  
**MINISTER OF SCIENCE AND TECHNOLOGY**  
**DATE:** 30/11/2018

 <p><b>science &amp; technology</b> Department: Science and Technology REPUBLIC OF SOUTH AFRICA</p>	<p><b>Karoo Central Astronomy Advantage Areas</b></p> <p><b>FORM 1: Application for competent person accreditation</b></p>
--	--

### **Purpose**

This form must be used to request accreditation for a person who is competent to carry out compliance assessments in terms of the Regulations on the Protection of the Karoo Central Astronomy Advantage Areas.

This form should be used in conjunction with Form 3 – application for a permit to use the radio frequency spectrum and carry out transmissions within the Karoo Central Astronomy Advantage Areas, with the option of the applicant arranging for a competent person to conduct the required compliance assessment.

### **Background**

The Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) ("AGA Act"), provides inter alia for the protection of areas within the Republic of South Africa that are uniquely suited for radio astronomy.

The Karoo Central Astronomy Advantage Areas were declared for the purpose of radio astronomy and related scientific endeavours in terms of the AGA Act in Government Gazette No. 37434, under Notice No. 198, on 12 March 2014.

The Regulations on the Protection of the Karoo Central Astronomy Advantage Areas, made in terms of the AGA Act, were published in Government Gazette No. 41321, under Notice No. 1411 on 15 December 2017. The effective date of the Regulations is 15 December 2018.

The Regulations stipulate the following<sup>1</sup>:

1. Schedule A, sub-regulation 3(2): As of 15 December 2019 (one year from the effective date of the Regulations), no operator may use the radio frequency spectrum between 100 MHz and 25.5 GHz, or conduct radio transmissions within that portion of the spectrum, within the Karoo Central Astronomy Advantage Areas unless a permit to do so has been issued.
2. Schedule B, sub-regulations 4(1) and (2): Before any such permit can be issued, a compliance assessment of each radio transmission concerned must be conducted, either by the management authority or by a person employed or contracted by the applicant who is competent to conduct such assessments.
3. Schedule B, sub-regulation 4(3): The assessment must determine whether the radio transmissions comply with the requirements of radio frequency interference protection at the Square Kilometre Array (SKA) Virtual Centre, with the prohibition of saturation level interference, and with all other applicable regulations.

<sup>1</sup> The statement of the requirements of the Regulations in this form are provided for the convenience of the applicant. Nothing stated in the application form will negate anything prescribed in the published Regulations.

4. Schedule B, sub-regulation 8(1): The person who carries out the compliance assessment and submits the required information to the management authority must –
  - 4.1 possess an academic qualification in electronic or radio frequency engineering at a level that would allow him/her to register as a professional engineering technologist;
  - 4.2 have access to, or be able to obtain access to, a computerised frequency spectrum planning system that could be used to carry out the required computer modelling; and
  - 4.3 be able to provide at least two references for work carried out successfully in the preceding five years which involved the determination of radio wave propagation and signal levels.
5. Schedule B, sub-regulation 8(2): If a person has carried out work that is equivalent to the required compliance assessment, but cannot fulfil the requirements of sub-regulation 8(1), he/she may request the management authority to conduct an assessment of his/her skills and experience relevant to carrying out compliance assessments.
6. Schedule B, sub-regulation 8(4): The management authority must advise the applicant in writing whether the person who carried out the compliance assessment and submitted the required information met the requirements of sub-regulation 8(1), or, where a skills and experience assessment was undertaken, what the outcome of the assessment was.
7. By signing the application form, permission is given to the Astronomy Management Authority by the applicant to process, collect, receive, record, organise, collate, store, update, modify, retrieve, alter, consult, use, disseminate, distribute, merge, share, link, erase or destroy personal information received from the applicant.

<b>Information to be provided for accreditation as a competent person or for the assessment of the person's competence</b>	
AGA unique reference	
<b>Applicant/employer/licensee/licence exempt operator</b>	
Applicant/company name	
Physical address	
Postal address	
Website	
Phone number	
Email address	

<b>Contact person</b>	
Surname	
Full names	
Mobile number	
Email address	
<b>Details of the person requesting accreditation as a competent person</b>	
Surname	
Full Names	
South African ID number	
Mobile number	
Email address	
Academic qualifications	
Registration with the Engineering Council of South Africa – category and number (not mandatory)	
Access to a computer system for signal level calculation	
Web address and description of the computer system	
Relevant methods and standards to be applied, as listed in Annexure B to Schedule B of the Regulations	
Digital terrain model to be used	
Two references for radio frequency signal level prediction	

work carried out in the preceding five years		
<b>Attachments</b>		
Any relevant information that was not provided for in this form or could not be accommodated in the space provided		
<b>Declaration</b>		
<p>I/we declare that –</p> <ul style="list-style-type: none"> <li>• the information furnished in this application is true and correct in every respect;</li> <li>• I/we have the necessary records to support the information provided for inspection purposes.</li> </ul>		
<p><b>Signed by:</b> .....  (Full Names and Surname of person requesting accreditation)</p>		
Signature _____	Date _____	Place _____



science  
& technology  
Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

## Karoo Central Astronomy Advantage Areas

### FORM 2: Permit application with management authority assessment

#### Purpose

This form must be used to apply for a permit to use the radio frequency spectrum, and conduct radio transmissions within that portion of the spectrum, within the Karoo Central Astronomy Advantage Areas.

This form should be used if the applicant would like the required compliance assessment to be conducted by the management authority. If the applicant would rather arrange for the assessment to be conducted by a competent person employed or contracted by the applicant, then Form 3 should be used instead of Form 2.

#### Background

The Astronomy Geographic Advantage Act, 2007 (Act No. 21 of 2007) ("AGA Act"), provides inter alia for the protection of areas within the Republic of South Africa that are uniquely suited for radio astronomy.

The Karoo Central Astronomy Advantage Areas were declared for the purpose of radio astronomy and related scientific endeavours in terms of the AGA Act in Government Gazette No. 37434, under Notice No.198, on 12 March 2014.

The Regulations on the Protection of the Karoo Central Astronomy Advantage Areas, made in terms of the AGA Act, were published in Government Gazette No. 41321, under Notice No. 1411, on 15 December 2017. The effective date of the Regulations is 15 December 2018.

The Regulations stipulate the following<sup>1</sup>:

1. Schedule A, sub-regulation 3(2): As of 15 December 2019 (one year after the effective date of the Regulations), no operator may use the radio frequency spectrum between 100 MHz and 25.5 GHz, or conduct radio transmissions within that portion of the spectrum, within the Karoo Central Astronomy Advantage Areas unless a permit to do so has been issued.
2. Schedule B, sub-regulations 4(1) and (2): Before such a permit can be issued, a compliance assessment of each radio transmission concerned must be conducted, either by the management authority or by a person employed or contracted by the applicant who is competent to conduct such assessments.
3. Schedule B, sub-regulation 4(3): The assessment must determine whether the radio transmissions comply with the requirements of radio frequency interference protection at the Square Kilometre Array (SKA) Virtual Centre, with the prohibition of saturation level interference, and with all other applicable regulations.


<sup>1</sup> The statement of the requirements of the Regulations in this form are provided for the convenience of the applicant. Nothing stated in the application form will negate anything prescribed in the published Regulations.

4. By signing the application form, permission is given to the Astronomy Management Authority by the applicant to process, collect, receive, record, organise, collate, store, update, modify, retrieve, alter, consult, use, disseminate, distribute, merge, share, link, erase or destroy personal information received from the applicant.

<b>Details of transmissions for which permits are required</b> (If more than two transmissions are involved, use a tabulated schedule.)	
Legislation	Astronomy Geographic Advantage Act, 2007
AGA unique reference	
Site name	
Transmitter name	
Municipality/nearest town	
Type of radio communications service	
Typical application	
<b>Permit applicant</b>	
Applicant/company name	
Physical address	
Postal address	
Website	
Phone number	
Email address	
<b>Contact person</b>	
Surname	
Full Names	

Mobile number		
Email address		
<b>Transmission characteristics (radio station including accessory equipment)</b>		
<b>Transmission details</b>	<b>Transmission 1</b>	<b>Transmission 2</b>
ICASA licence exempt	Yes/No	Yes/No
ICASA licence number		
Frequency assignment/centre frequency (MHz)		
Bandwidth allocated (MHz)		
Effective radiated power: power to antenna plus antenna gain in relevant direction (dBm)		
Polarisation		
Geographic location (longitude and latitude in WGS84 decimal degrees)		
Antenna height (above ground/site level)		
Transmission time during day/week/month		
<b>Antenna characteristics</b>		
Antenna type		
Antenna producer/make		
Maximum gain (dBi)		
Horizontal beam width		
Vertical beam width		
Detailed antenna characteristics via attachment		

Elevation/tilt		
Azimuth		
<b>Attachments</b>		
ICASA licence		
Any other attachments		
<p style="text-align: center;"><b>Declaration</b></p> <p>I/we declare that –</p> <ul style="list-style-type: none"> <li>• the information furnished in this application is true and correct in every respect;</li> <li>• I/we have the necessary records to support the information provided for inspection purposes.</li> </ul>		
<p><b>Signed by:</b> ..... (Full Names and Surname)</p> <p> <span style="margin-right: 100px;">_____ Signature</span> <span style="margin-right: 100px;">_____ Date</span> <span>_____ Place</span> </p>		

 <p><b>science &amp; technology</b> Department: Science and Technology REPUBLIC OF SOUTH AFRICA</p>	<p><b>Karoo Central Astronomy Advantage Areas</b></p> <p><b>FORM 3: Permit application with competent person assessment</b></p>
--	---

### Purpose

This form must be used to apply for a permit to use the radio frequency spectrum, and conduct radio transmissions within that portion of the spectrum, within the Karoo Central Astronomy Advantage Areas.

This form should be used if the applicant wishes to arrange for the required compliance assessment to be conducted by a competent person employed or contracted by the applicant. Form 1, requesting accreditation of the person concerned as competent to conduct the assessment, should be used in conjunction with Form 3.

If, however, the applicant would rather request the management authority to conduct the compliance assessment, then Form 2 should be used instead of Form 3.

### Background

The Astronomy Geographic Advantage Act, 2007 (Act No.21 of 2007) ("AGA Act"), provides inter alia for the protection of areas within the Republic of South Africa that are uniquely suited for radio astronomy.

The Karoo Central Astronomy Advantage Areas were declared for the purpose of radio astronomy and related scientific endeavours in terms of the AGA Act in Government Gazette No. 37434, under Notice No.198, on 12 March 2014.

The Regulations on the Protection of the Karoo Central Astronomy Advantage Areas, made in terms of the AGA Act, were published in Government Gazette No. 41321, under Notice No. 1411 on 15 December 2017. The effective date of the Regulations is 15 December 2018.

The Regulations stipulate the following<sup>1</sup>:

1. Schedule A, sub-regulation 3(2): As of 15 December 2019 (one year after the effective date of the Regulations), no operator may use the radio frequency spectrum between 100 MHz and 25.5 GHz, or conduct radio transmissions within that portion of the spectrum, within the Karoo Central Astronomy Advantage Areas unless a permit to do so has been issued.
2. Schedule B, sub-regulations 4(1) and (2): Before any such permit can be issued, a compliance assessment of each radio transmission concerned must be conducted, either by the management authority or by a person employed or contracted by the applicant who is competent to conduct such assessments.
3. Schedule B, sub-regulation 4(3): The assessment must determine whether the radio transmissions comply with the requirements of radio frequency interference protection

<sup>1</sup> The statement of the requirements of the Regulations in this form are provided for the convenience of the applicant. Nothing stated in the application form will negate anything prescribed in the published Regulations.

at the Square Kilometre Array (SKA) Virtual Centre, with the prohibition of saturation level interference, and with all other applicable regulations.

4. In terms of Schedule A, sub-regulation 4(1)(b), radio frequency interference may be permitted to exceed the prescribed protection levels if the radio transmission concerned can be classified as a designated service. Schedule B, sub-regulation 7(1) identifies the types of radio transmissions that may be classified as designated services. Schedule B, sub-regulation 7(2) stipulates that, in the case of a transmission that may be classified as a designated service, the applicant must request such classification in his/her permit application and provide the specified information in support of this request.
5. By signing the application form, permission is given to the Astronomy Management Authority by the applicant to process, collect, receive, record, organise, collate, store, update, modify, retrieve, alter, consult, use, disseminate, distribute, merge, share, link, erase or destroy personal information received from the applicant.

<b>Details of transmissions for which permits are required</b> (If more than two transmissions are involved, use a tabulated schedule.)	
Legislation	Astronomy Geographic Advantage Act, 2007
AGA unique reference	
Site name	
Transmitter name	
Municipality/nearest town	
Type of radio communications service	
Typical application	
<b>Permit applicant</b>	
Applicant/company name	
Physical address	
Postal address	
Website	
Phone number	
Email address	
<b>Contact person</b>	

Surname		
Full Names		
Mobile number		
Email address		
<b>Transmission characteristics (radio station including accessory equipment)</b>		
<b>Transmission Details</b>	<b>Transmission 1</b>	<b>Transmission 2</b>
ICASA licence exempt	Yes/No	Yes/No
ICASA licence number		
Frequency assignment/centre frequency (MHz)		
Bandwidth allocated (MHz)		
Effective radiated power: power to antenna plus antenna gain in relevant direction (dBm)		
Polarisation		
Geographic location (longitude and latitude in WGS84 decimal degrees)		
Antenna height (above ground/site level)		
Transmission time during day/week/month		
<b>Antenna characteristics</b>		
Antenna type		
Antenna producer/make		
Maximum gain (dBi)		
Horizontal beam width		
Vertical beam width		
Detailed antenna characteristics via attachment		
Elevation/tilt		
Azimuth		

<b>Predicted or measured radio frequency interference levels</b>		
Full Names and Surname of competent person		
ID number of competent person		
Propagation calculation standard used		
Power spectral density at the SKA Virtual Centre (dBm/Hz)		
Applicable protection level for radio astronomy observations prescribed in the Protection Levels Regulations, 2012 (dBm/Hz)		
High-risk interference level (dBm) at nearest geographic location on the periphery of the protection corridors or the 20 km radius circle around the SKA Virtual Centre		
Applicable high-risk geographic location (longitude and latitude in WGS84 decimal degrees)		
<b>Criteria that must be met for the permit to be issued</b>		
Saturation level within the protection corridors not exceeded	Yes/No	Yes/No
Saturation level within the 20 km radius circle around the SKA Virtual Centre not exceeded	Yes/No	Yes/No
Protection level prescribed in the Protection Levels Regulations, 2012 at the SKA Virtual Centre not exceeded	Yes/No	Yes/No
The permit application complies with all the applicable requirements as listed in Annexure A to Schedule B of the Regulations	Yes/No	Yes/No
The radio frequency spectrum is to be used and radio transmissions are to be made for a designated service	Yes/No	Yes/No
The portion of the radio frequency spectrum to be used is exempted in terms of regulation 3 of Schedule B of the Regulations	Yes/No	Yes/No
<b>Conditions that may be included in the permit (sub-regulation 4(3) of Schedule A of the Regulations)</b>		
To ensure that mobile or portable devices used in conjunction with a base station do not exceed the protection levels prescribed in the Protection Levels Regulations, 2012 at the SKA Virtual Centre		

To ensure that the saturation level radio frequency interference is not exceeded within the protection corridors or within a 20 km radius circle around the SKA Virtual Centre		
--	--	--

<b>Request for classification as a designated service (regulation 7 of Schedule B of the Regulations)</b>		
Classification of designated service		
Transmissions and radio frequency interference levels that cannot be reduced		
Reasons why the interference levels cannot be reduced (use attachment for full explanation)		
Request for a radio frequency interference level in excess of the prescribed value to be permitted		
Reasons why an alternative frequency band and/or alternative technology is not functionally suitable and not economically feasible (use attachment for full explanation)		
<b>Files to be attached to the application</b>		
Signed report of compliance assessment based on computer modelling (PDF format)		
Transmission characteristics of the radio station including accessory equipment		
All required information and data as listed and described in a schedule to be obtained from the management authority		
Detailed predicted or measured signal levels		
Antenna characteristics (MSI or NSMA format)		
ICASA licence		
<p align="center"><b>Declaration</b></p> <p>I/we declare that –</p> <ul style="list-style-type: none"> <li>the information furnished in this application is true and correct in every respect;</li> <li>I/we have the necessary records to support the information provided for inspection purposes.</li> </ul>		

**Signed by:** ..... (Full Names and Surname)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Place



**science  
& technology**  
Department:  
Science and Technology  
REPUBLIC OF SOUTH AFRICA

**Karoo Central Astronomy Advantage Areas**  
**FORM 4: Application for financial compensation**

### **Purpose**

This form must be used to apply for compensation for financial loss, or for an adversely affected service, resulting solely and directly from compliance with a requirement or condition imposed by the Regulations on the Protection of the Karoo Central Astronomy Advantage Areas.

### **Background**

The Astronomy Geographic Advantage Act, 2007 (Act No.21 of 2007) ("AGA Act"), provides inter alia for the protection of areas within the Republic of South Africa that are uniquely suited for radio astronomy.

The Karoo Central Astronomy Advantage Areas were declared for the purpose of radio astronomy and related scientific endeavours in terms of the AGA Act in Government Gazette No. 37434, under Notice No. 198, on 12 March 2014.

The Regulations on the Protection of the Karoo Central Astronomy Advantage Areas, made in terms of the AGA Act, were published in Government Gazette No. 41321, under Notice No. 1411, on 15 December 2017. The effective date of the Regulations is 15 December 2018.

The Regulations prohibit and restrict the use of portions of the radio frequency spectrum and transmission characteristics within the Karoo Central Astronomy Advantage Areas, and restrict certain electrical activities within the Karoo Central Astronomy Advantage Area 1, all in order to avoid interference to radio astronomy observations. The Regulations further stipulate the following<sup>1</sup>:

1. Schedule C, sub-regulation 3(1): A person may apply to the Minister of Science and Technology for compensation in terms of the Regulations if –
  - 1.1 he/she has suffered a substantiated financial loss solely as a direct result of his/her compliance with a requirement or condition imposed in terms of the Regulations; and
  - 1.2 his/her use of the service provided by an operator is adversely affected as a direct result of that operator's compliance with a requirement or condition imposed in terms of the Regulations.
2. Schedule C, sub-regulation 3(2): An application for compensation must be submitted to the management authority within two years of the implementation of the relevant requirement/condition by means of a permit issued for the affected transmission.
3. Schedule C, sub-regulation 3(3): The applicant must submit a separate application for each activity or service in relation to which compensation is sought.

<sup>1</sup> The statement of the requirements of the Regulations in this form are provided for the convenience of the applicant. Nothing stated in the application form will negate anything prescribed in the published Regulations.

4. By signing the application form, permission is given to the Astronomy Management Authority by the applicant to process, collect, receive, record, organise, collate, store, update, modify, retrieve, alter, consult, use, disseminate, distribute, merge, share, link, erase or destroy personal information received from the applicant.

<b>Application for financial compensation</b>	
Legislation	Astronomy Geographic Advantage Act, 2007
AGA unique reference	
AGA unique reference of application related to compensation claim (not mandatory)	
Farm name/physical home address/radio station	
Municipality/nearest town	
<b>Applicant</b>	
Applicant/company name	
Physical address	
Postal address	
Website	
Phone number	
Email address	
<b>Contact person</b>	
Surname	
Full Names	
Mobile number	
Email address	
<p><b>Description of loss due to compliance with Schedules A and D of the KCAAA Regulations</b></p> <p>(If the form does not provide enough space, the following items may be supplemented by attachments.)</p>	

The nature and extent of the activity lawfully conducted, or the service used by the applicant, immediately prior to the implementation of the relevant requirement/s or condition/s imposed in terms of Schedule A or D of the Regulations	
The extent to which the applicant ceased the relevant activity or modified his/her conduct of the activity, or the nature of and extent to which the applicant's use of the service was adversely affected, solely as a direct result of compliance with the requirement/s or condition/s imposed in terms of Schedule A or D of the Regulations	
Detailed description of the property or equipment which was owned by the applicant to conduct the relevant activity, or associated with the use of the service, and the extent to which the use thereof was adversely affected solely as a direct result of compliance with the requirement/s or condition/s imposed in terms of Schedule A or D of the Regulations	
The substantiated proven actual financial loss suffered by the applicant solely as a direct result of compliance with the requirement/s or condition/s imposed in terms of Schedule A or D of the Regulations	
The installation cost and/or monthly user cost for an electronic communications service that is different to the electronic communications service used prior to the publication of the Regulations. Compensation for the monthly user cost may be considered to align the cost to communicate within declared astronomy advantage areas with the cost to communicate in other parts of South Africa.	
Geographic location of the affected facility (longitude and latitude in WGS84 decimal degrees)	

<b>Files to be attached to the application</b>	
Sworn statement to provide further information from the applicant	
Proof that the relevant activity was lawfully conducted prior to the publication of the Regulations	
Any relevant additional information not provided for in this form	
<p style="text-align: center;"><b>Declaration</b></p> <p>I/we declare that –</p> <ul style="list-style-type: none"> <li>the information furnished in this application is true and correct in every respect;</li> <li>I/we have the necessary records to support the information provided for inspection purposes.</li> </ul>	
<p><b>Signed by:</b> ..... (Full Names and Surname)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%; text-align: center;"> <p>_____</p> <p>Signature</p> </div> <div style="width: 30%; text-align: center;"> <p>_____</p> <p>Date</p> </div> <div style="width: 30%; text-align: center;"> <p>_____</p> <p>Place</p> </div> </div>	
<p style="text-align: center;"><b>Affidavit</b></p> <p>I, the undersigned, _____, <b>RSA ID Number:</b> _____</p> <p>do hereby make a statement and declare under oath that:</p> <p>I know and understand the contents of this declaration. I have no objection to taking the prescribed oath/declaration. I consider the prescribed oath/declaration to be binding on my conscience.</p> <div style="text-align: right; margin-top: 20px;"> <p>-----</p> <p><b>Signature of deponent</b></p> </div> <p>Thus done and signed before me by the deponent at _____, on the.... day of ..... 20</p> <p><b>COMMISSIONER OF OATHS</b></p>	

.....  
**Full Names and Surname**



**Karoo Central Astronomy Advantage Areas**  
**FORM 5: Permit application in connection with**  
**electrical activities**

### Purpose

This form must be used to apply for a permit to install, operate or use electrical infrastructure and/or equipment within the Karoo Central Astronomy Advantage Area 1, where the infrastructure/equipment is not exempt from the permit requirement.

### Background

The Astronomy Geographic Advantage Act, 2007 (Act No.21 of 2007) ("AGA Act"), provides inter alia for the protection of areas within the Republic of South Africa that are uniquely suited for radio astronomy.

The Karoo Central Astronomy Advantage Areas were declared for the purpose of radio astronomy and related scientific endeavours in terms of the AGA Act in Government Gazette No. 37434, under Notice No. 198, on 12 March 2014.

The Regulations on the Protection of the Karoo Central Astronomy Advantage Areas, made in terms of the AGA Act, were published in Government Gazette No. 41321, under Notice No. 1411, on 15 December 2017. The effective date of the Regulations is 15 December 2018.

The Regulations stipulate the following<sup>1</sup>:

1. Schedule D, sub-regulation 3(2): Radio frequency interference may not be caused by electrical equipment/infrastructure within the SKA Infrastructure Territory, whether through electromagnetic emissions or through wireless data communications. Electrical equipment/infrastructure must be separated from the SKA Infrastructure Territory and the SKA Virtual Centre by the required distances so as not to exceed the radio frequency interference levels prescribed in the Protection Levels Regulations, 2012.
2. Schedule D, sub-regulation 3(1): No person may construct, install, operate or use any electrical infrastructure or equipment within the Karoo Central Astronomy Advantage Area 1 unless a permit to do so has been issued, or unless the infrastructure/equipment has been exempted from the requirement that a permit be issued.
3. Schedule D, sub-regulations 3(3), (4) and (5): The following categories of electrical equipment/infrastructure are exempt from the permit requirement:
  - 3.1 Equipment/infrastructure in operation or use prior to the publication date of the Regulations (15 December 2017), unless radio frequency interference is caused.
  - 3.2 New equipment/infrastructure with an electrical power rating not greater than 100 kVA, unless radio frequency interference is caused.

<sup>1</sup> The statement of the requirements of the Regulations in this form are provided for the convenience of the applicant. Nothing stated in the application form will negate anything prescribed in the published Regulations.

- 3.3 New equipment/infrastructure with an electrical power rating greater than 100 kVA that is located more than 30 km from the nearest Square Kilometre Array (SKA) Infrastructure Territory – or more than 50 km, in the case of wind turbines – unless radio frequency interference is caused.
4. Schedule D, regulation 4 prescribes the procedures and criteria for permit applications and their processing by the management authority. If the information requested in the form below is insufficient for conducting an electromagnetic interference assessment, a permit application must be accompanied by the information listed and described in a schedule to be obtained from the management authority.
5. By signing the application form, permission is given to the Astronomy Management Authority by the applicant to process, collect, receive, record, organise, collate, store, update, modify, retrieve, alter, consult, use, disseminate, distribute, merge, share, link, erase or destroy personal information received from the applicant.

<b>Details of electromagnetic emission for which a permit is required</b>	
Legislation	Astronomy Geographic Advantage Act, 2007
AGA unique reference	
Site name	
Environmental authorisation number including attachment (if applicable)	
Municipality/nearest town	
Type of electrical facility	
Description of the electrical infrastructure and equipment	
<b>Permit applicant</b>	
Applicant/company name	
Physical address	
Postal address	
Website	
Phone number	
Email address	
<b>Contact person</b>	

Surname	
Full Names	
Mobile number	
Email address	
<b>Electrical equipment description</b>	
Type of equipment	
Brand name(s)	
Model number(s)	
Photo (as attachment)	
Electrical power rating of equipment (kVA)	
EMC standard	
Geographic location (longitude and latitude in WGS84 decimal degrees)	
Date of purchase	
Comments	
Highest emission level (dBm)	
Frequency of highest emission level	
Detailed measurement data attachment in XLSX format as defined by the management authority	
<b>Attachments</b>	
Any relevant information that was not provided for in this form or could not be accommodated in the space provided	

**Declaration**

I/we declare that –

- the information furnished in this application is true and correct in every respect;
- I/we have the necessary records to support the information provided for inspection purposes.

**Signed by:** ..... (Full Names and Surname)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Place





# **WARNING!!!**

## **To all suppliers and potential suppliers of goods to the Government Printing Works**

The Government Printing Works would like to warn members of the public against an organised syndicate(s) scamming unsuspecting members of the public and claiming to act on behalf of the Government Printing Works.

One of the ways in which the syndicate operates is by requesting quotations for various goods and services on a quotation form with the logo of the Government Printing Works. Once the official order is placed the syndicate requesting upfront payment before delivery will take place. Once the upfront payment is done the syndicate do not deliver the goods and service provider then expect payment from Government Printing Works.

Government Printing Works condemns such illegal activities and encourages service providers to confirm the legitimacy of purchase orders with GPW SCM, prior to processing and delivery of goods.

To confirm the legitimacy of purchase orders, please contact:

Anna-Marie du Toit (012) 748-6292 ([Anna-Marie.DuToit@gpw.gov.za](mailto:Anna-Marie.DuToit@gpw.gov.za)) and

Siraj Rizvi (012) 748-6380 ([Siraj.Rizvi@gpw.gov.za](mailto:Siraj.Rizvi@gpw.gov.za))

Printed by and obtainable from the Government Printer, Bosman Street, Private Bag X85, Pretoria, 0001  
Contact Centre Tel: 012-748 6200. eMail: [info.egazette@gpw.gov.za](mailto:info.egazette@gpw.gov.za)  
Publications: Tel: (012) 748 6053, 748 6061, 748 6065