



science
& technology

Department:
Science and Technology
REPUBLIC OF SOUTH AFRICA

Karoo Central Astronomy Advantage Areas

FORM 5 Questionnaire: Permit application in connection with electrical activities

Purpose

Form 5 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.

Schedule D under sub-regulation 3 (3) states that existing equipment and infrastructure is exempted from the requirement to acquire and possess a permit unless it is found that radio frequency interference is caused.

Schedule D under sub-regulations 4 (7) states: If the management authority decides to grant the permit, the authority must issue the permit, and the permit must include all the conditions that the permit holder must comply with relating to the electrical infrastructure and equipment.

AMA decided to conduct the compliance assessment in terms of Schedule D of the KCAAs Regulations to grant a permit to landowner in the spiral arm corridor and 50KM radius buffer.

The document is modified to make it easier for local community members to apply for a permit	
Applicant / Farm owner	
Physical address / Farm name	
Postal address	
Phone number	
Email address	
Contact person / Person that completed the form	
Surname	
Full Names	
Mobile number	
Email address	
The following list includes typical equipment that may be found on the farms. Additional items found on the farm must be added to the list.	

General equipment description	EMC standard	Specific equipment to include Brand name, model number and year of purchase	Additional comment: Manufacture, Photo, Serial number, usage, height
CISPR 11: Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement			
a.c. or d.c. power port	CISPR 11		
arc welding equipment	CISPR 11		
Microwave oven	CISPR 11		
Battery Chargers	CISPR 11		
photovoltaic power generating system (Solar)	CISPR 11		
Wind power generating system (Wind turbines)	CISPR 11		
power conversion equipment	CISPR 11		
Uninterruptible power systems (UPS)	CISPR 11		
electro-discharge machining (EDM) equipment	CISPR 11		
electromagnetic radiation	CISPR 11		
CISPR 25 / CISPR 12: Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers			
Agricultural machinery	CISPR 25 / 12		
Internal combustion engine devices: (electric generators, pumps, lawn mowers, garden tools, chain saws, etc.)	CISPR 25 / 12		
Road vehicles including passenger cars, trucks and busses powered by an internal combustion, an electric motor or hybrid technology	CISPR 25 / 12		
Battery powered floor finishing machines	CISPR 25 / 12		
Car radios	CISPR 25 / 12		
Forestry Equipment	CISPR 25 / 12		
Spark discharge			
CISPR 14: Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus			
Battery Chargers	CISPR 14		
Induction cooking appliances	CISPR 14		
Kitchen machines	CISPR 14		
Refrigerators and freezers	CISPR 14		
Washing machines	CISPR 14		
Dish-washers	CISPR 14		
Tumble dryers	CISPR 14		
Electro-mechanical office machines	CISPR 14		
Lawn mowers	CISPR 14		
Air conditioning equipment	CISPR 14		
Cooking appliances	CISPR 14		
Microwave oven	CISPR 14		
Rectifier diode power supplies	CISPR 14		
Power tools (including battery powered)	CISPR 14		
Switch mode power supplies	CISPR 14		
Electric fence energiser	CISPR 14		

General equipment description	EMC standard	Specific equipment to include Brand name, model number and year of purchase	Additional comment: Manufacture, Photo, Serial number, usage, height
CISPR 11: Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement			
Electric tools	CISPR 14	Handheld (portable) motor-operated tools	
		Transportable (semi-stationary) motor-operated tools	
		Soldering equipment, soldering guns, soldering irons and similar	
		Glue guns	
		Heat guns	
		Spray guns	
Motor-operated electro-medical apparatus	CISPR 14	Dental drills	
		Saws and knives	
		Electrocardiograms and similar recorders	
		Pumps	
Electrical heating equipment	CISPR 14	Hobs and hotplates	
		Cooking pans, table-type roasters, deep-fat fryers	
		Feed boilers, water boilers, kettles and similar boilers	
		Instantaneous water heaters	
		Storage heaters	
		Warming plates, boiling tables, heating drawers, heating cabinets	
		Cooking ovens, grills, waffle irons, waffle grills	
Electronic gas igniters	CISPR 14	Air cleaners	
		Steam generators and humidifiers	
		Battery chargers	
		External Power Supplies (EPS) and converters	
		Lifting devices (electric hoists)	
CISPR 15: Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment			
Cap lights for mines	CISPR 15		
LED luminaires	CISPR 15		
CISPR 35 / CISPR 32: EMC of multimedia equipment			
Audio Amplifiers	CISPR 32 / 35		
Car radios	CISPR 32 / 35		
CD / DVD Player	CISPR 32 / 35		
Copying Machine	CISPR 32 / 35		
Data Printer: Dot matrix, laser, LED	CISPR 32 / 35		
Data Display: CRT, plasma, LED, Liquid crystal	CISPR 32 / 35		
Data Input Device: Keyboard, mouse Magnetic card reader Optical character reader Image scanner, pen	CISPR 32 / 35		
Data Processor: Computer, calculator	CISPR 32 / 35		
Digital Still Camera	CISPR 32 / 35		
Digital Video Camera	CISPR 32 / 35		
FM sound receivers	CISPR 32 / 35		

General equipment description	EMC standard	Specific equipment to include Brand name, model number and year of purchase	Additional comment: Manufacture, Photo, Serial number, usage, height
CISPR 11: Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement			
Local Area Network devices	CISPR 32 / 35		
Modem (all types)	CISPR 32 / 35		
Telecommunication Terminal	CISPR 32 / 35		
Television receivers	CISPR 32 / 35		
Telephone	CISPR 32 / 35		
TV set-top boxes (analog or digital)	CISPR 32 / 35		

Geographic location (longitude and latitude in WGS84 decimal degrees)		
Average height		
Residency	Permanent / Temporary	
Power	Eskom / Solar / Wind / No-power	
Attachments		
Pictures of each item to indicate the brand name and technical specification if possible		
Detailed measurement data attachment in XLSX format as defined by the management authority, if available.		
Any other attachments		
Declaration		
<p>I/we declare that –</p> <ul style="list-style-type: none"> • 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. 		
<p>Signed by: (Full Names and Surname)</p>		
_____ Signature	_____ Date	_____ Place