

REPUBLIC
OF
SOUTH AFRICA



REPUBLIEK
VAN
SUID-AFRIKA

Government Gazette Staatskoerant

Vol. 407

PRETORIA, 15 MAY
MEI 1999

No. 20087

CORRECTION NOTICE

This notice (No. 297) substitutes General Notice No. 297 which will carry the same publication date and Gazette Number.

GENERAL NOTICE

NOTICE 939 OF 1999

SOUTH AFRICAN TELECOMMUNICATIONS REGULATORY AUTHORITY



NOTICE IN RESPECT OF REQUIREMENTS AND POLICY FOR LOW POWER VIDEO SURVEILLANCE SERVICES (LPVS)

In terms of the Telecommunications Act, (Act No. 103 of 1996), section 29 (1) - (2) as well as section 30 (9) (a) and pursuant to Notice 1535 of 1998 published in Government Gazette No. 19120 on 31 July 1998, where notice is given of the two types of usage envisaged for Low Power Video Surveillance Service within the bands 2.4-2.4835 GHz, 10.025-10.081 GHz and 31.00-31.056 GHz, the South African Telecommunications Regulatory Authority (SATRA) hereby adopts and makes known the requirements and detailed regulation/policy for Low Power Video Surveillance Services (LPVS).

LOW POWER VIDEO SURVEILLANCE SERVICES (LPVS)

Detailed Regulation/Policy

General :

All aspects or implications of this policy should be referenced to the relevant sections of the Telecommunications Act (103 of 1996). In particular:

- In accordance with Sect. 41 of the Act, a private telecommunication network may only be provided using Telkom facilities, except where the network is on private and contiguous property, or when Transnet or Eskom maintains it.
- In accordance with Sect. 43 and 44 of the Act, Telkom has the first right of refusal to provide telecommunication facilities to interconnect with the telecommunication system of another telecommunication service provider.
- In accordance with Sect. 30 of the Act, any user holding a radio frequency licence, which was valid immediately before the date of commencement of the Act, shall have certain rights to continue to utilise the radio spectrum.

In general, SATRA will discourage the use of radio for the provision of links having a narrow RF channel bandwidth. As far as the technical parameters of any new link/service/operation are concerned, SATRA, however, reserves the right to make exceptions on a case-by-case basis at its own discretion. In particular, where there is no other realistic alternative for providing the service. In addition, the transmitted/radiated power of LPVS services must be adjusted to the absolute minimum for satisfactory overall system performance.

Prior to the purchasing of LPVS and related equipment, users should approach the Authority (SATRA) to discuss the availability of suitable frequencies and, if appropriate, initiate the licensing process. SATRA cannot guarantee the availability of particular frequencies and the prior purchase of equipment cannot be used as motivation or an overriding reason to assign a frequency in a particular band.

Definition:

LPVS System - A Low Power Video Surveillance System will be defined as a system comprising one or more low power video devices being controlled by or connected to, one (1) LPVS control centre or base station which is not interconnected with other similar type control or base stations.

Frequency Bands :

2400.0000 – 2483.5000 MHz

- On an unlicensed basis when operated over short distances within buildings, warehouses, office complexes, malls etc. only.
- On a licensed and radio co-ordinated basis when operated outside buildings, warehouses, office complexes, malls etc. and on a single site or piece of land not crossed by any public or national roads, railway lines etc.
- Operations on a non-interference and no-protection basis within this band as far as ISM And other secondary services in this band are concerned.
- Equipment type approval by the Authority (SATRA) in accordance with ETS 300 440
- Maximum allowable EIRP of 100 mW or 20 dBm

10.025 – 10.081 GHz

- On a licensed and radio co-ordinated basis when operated outside building, warehouses, office complexes, malls etc. and on a single site or piece of land not crossed by any public or national roads, railway lines etc.
- Equipment type approval by the Authority (SATRA) in accordance with ETS 300 440.
- Maximum allowable EIRP of 1.0 Watt or 30.0 dBm
- Channel frequencies:
 - 1. 10.029 GHz
 - 2. 10.037 GHz
 - 3. 10.045 GHz
 - 4. 10.053 GHz
 - 5. 10.061 GHz
 - 6. 10.069 GHz
 - 7. 10.077 GHz
- Maximum bandwidth: 8 MHz per channel.

31.000 – 31.056 GHz

- On a licensed and radio co-ordinated basis when operated outside buildings, warehouses, office complexes, malls etc. and on a single site or piece of land not crossed by any public or national roads, railway lines etc.
- Equipment type approval by the Authority (SATRA) in accordance with draft specification MPT 1425.
- Channel frequencies:
 - 1. 31.004 GHz
 - 2. 31.012 GHz
 - 3. 31.020 GHz
 - 4. 31.028 GHz
 - 5. 31.036 GHz
 - 6. 31.044 GHz
 - 7. 31.052 GHz
- Maximum bandwidth: 8 MHz per channel.

Licence Fees :

Unlicensed operations:	No prescribed fees
Licensed operations:	R2500.00 per Base or Control station per year.

Notes :

- For additional general information on LPVS, kindly refer to the Government Gazette Publication entitled "General Policy and Requirements for Spread Spectrum/Wideband and LPVS operations in the 2.4 GHz ISM Frequency Band".
- In the case of licensed operations as described above, full technical details and description of the proposed operation, service, system etc. as well as properly completed application forms must be submitted to –

Head of Department
Commercial Radio Licensing
SATRA
Private Bag X1
Marlboro, 2063
South Africa

CONTENTS • INHOUD*No.**Page
No. Gazette
No.***GENERAL NOTICE****South African Telecommunications Regulatory Authority***General Notice*

939 Telecommunications Act (103/1996): Notice in respect of requirements and policy for Low Power Video Surveillance Services (LPVS).....	1	20087
---	---	-------
