prodemge	**TERMO DE ACEITE TÉCNICO**

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais	**Data:** 17/05/2012

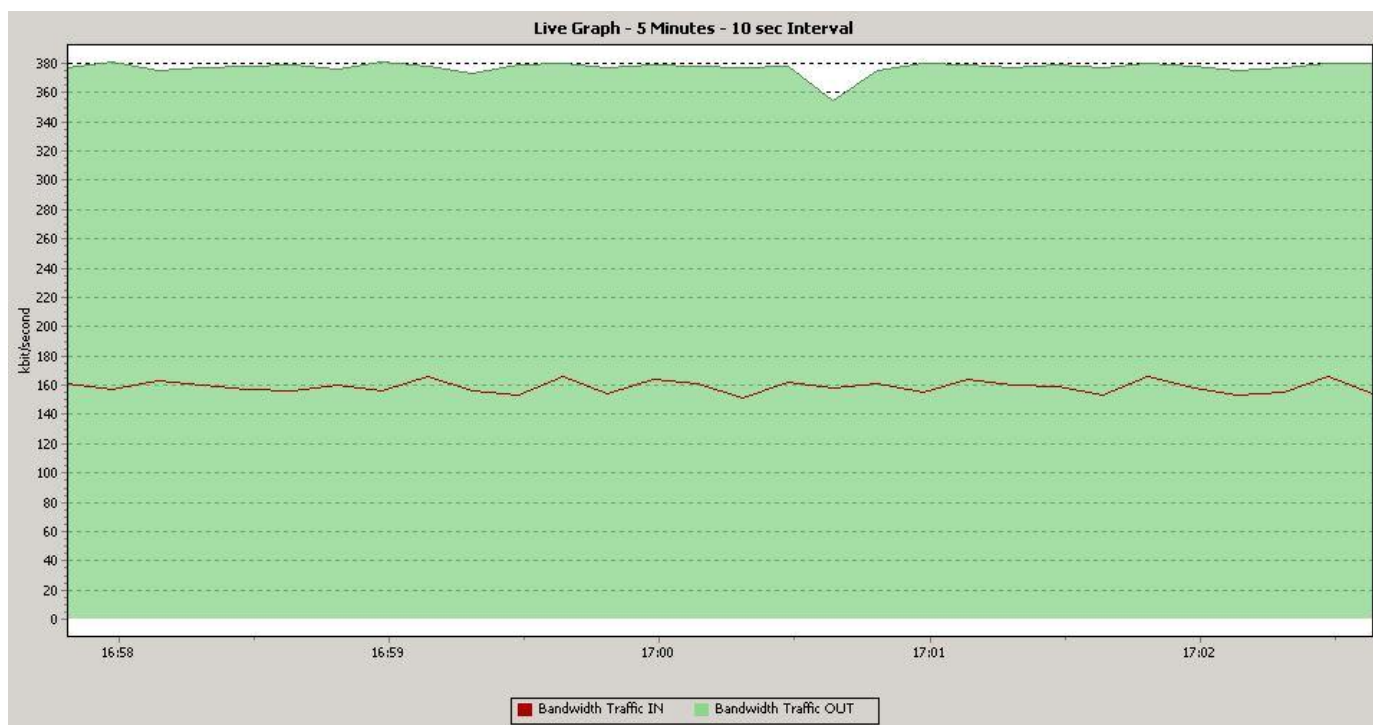| **NOC/Operadora:** Renan Borges Sousa	**Operadora/Cliente:** Alexandre Pascoal da Silva

GRE/Prodemge: Rafael Alves Ferreira	**Responsável/cliente:** Verônica Santos Rodrigues

Consórcio STM/Vodanet	**VSAT-ID** SES-CADA-3378	**Porta kbps** 384/153	**Plataforma** VSAT

Live Graph - 5 Minutes - 10 sec Interval

Bandwidth Traffic IN — Bandwidth Traffic OUT

```
Satellite (DVB) RX Configuration
--------------------------------
Auto start          : Enabled
Max MODCOD          : 15   8PSK-5/6 (SNR threshold: 10.6 dB)
ACM Latency         : On
RX watchdog         : 15 minute

Idx  Pri  SymbRate[Msps] Freq[GHz]  Mode   PopId   Enable
* 0  0     7.120000       11.583700  DVB-S2 2         Yes
  1  1     0.000000        0.000000  DVB-S2 2         No

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.584070 GHz
Symbol Rate         : 7.120037 Msps
S2 ModCod
     - receiving    : 15   8PSK-5/6
     - current max  : 15   8PSK-5/6
Pilot               : On
Frame length        : Short frame
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 16.3 dB
Input Power         : -27 dBm
```

```
#
Satellite (DVB) TX Configuration
--------------------------------
Auto start           : Enabled
IDU output power     : -24 dBm
IDU max output power: 0.0 dBm
EIRP                 : max
Default CW Frequency: 0.000000 GHz
ATM mode             : VC-Mux
Header Compression   : UDP/IP/DSM-CC


Satellite (DVB) Transmitter Status
--------------------------------
State                : On (TDMA)
IDU Output Power     : -23.7 dBm
ODU Output Power     : 35.2 dBm
EIRP                 : 48.5 dBW
Es/No                : 15.5 dB
Header Compression   :  DSM-CC
Timing correction    : -423 us (273724 us)
Frequency correction: -40 Hz

IP DVB 10.148.0.230/32

Pinging 10.145.93.1 with 32 bytes of data:

Reply from 10.145.93.1: bytes=32 time=572ms TTL=62
Reply from 10.145.93.1: bytes=32 time=630ms TTL=62
Reply from 10.145.93.1: bytes=32 time=554ms TTL=62
Reply from 10.145.93.1: bytes=32 time=594ms TTL=62
Reply from 10.145.93.1: bytes=32 time=582ms TTL=62
Reply from 10.145.93.1: bytes=32 time=592ms TTL=62
Reply from 10.145.93.1: bytes=32 time=549ms TTL=62
Reply from 10.145.93.1: bytes=32 time=625ms TTL=62
Reply from 10.145.93.1: bytes=32 time=549ms TTL=62
Reply from 10.145.93.1: bytes=32 time=570ms TTL=62

Ping statistics for 10.145.93.1:
Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 549ms, Maximum = 630ms, Average = 581ms
```