prodemge	TERMO DE ACEITE TÉCNICO

Solicitante: SES – Secretaria de Estado de Saúde de Minas Gerais

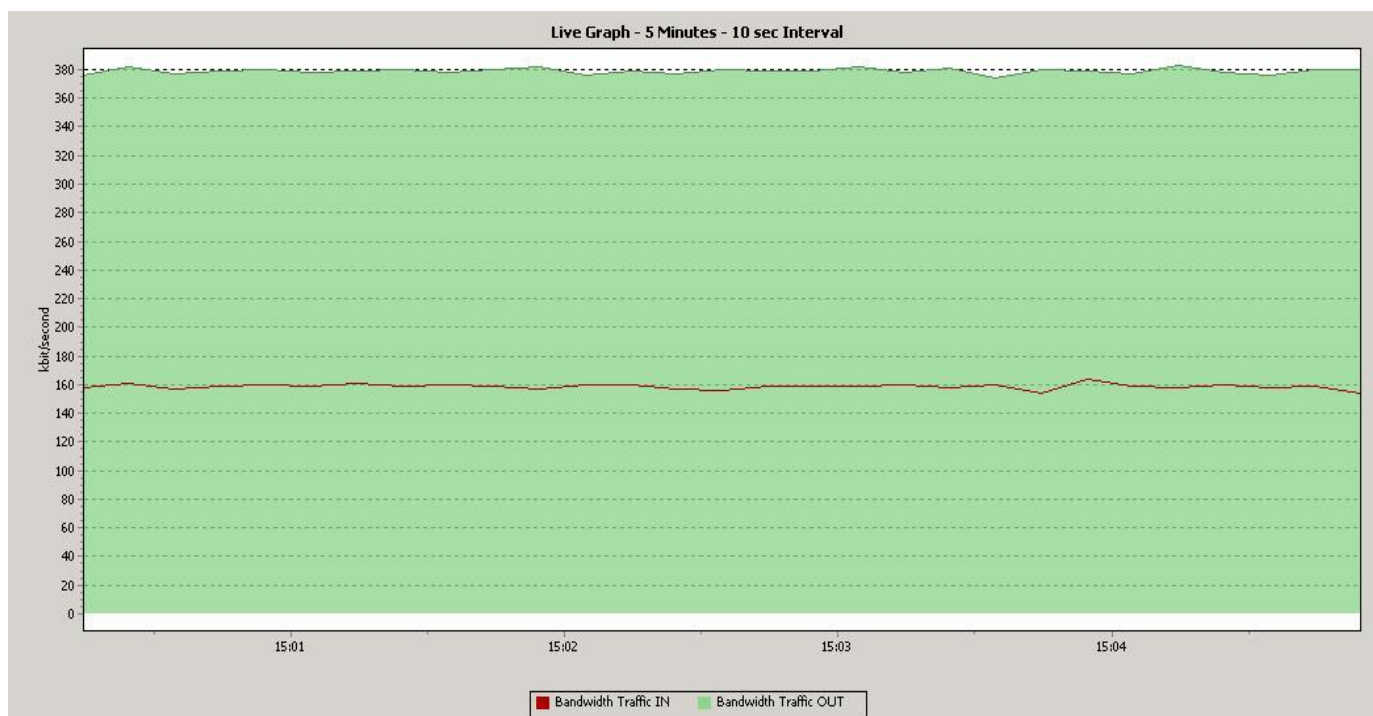| **NOC/Operadora:** Pedro Henrique da R. Bernardes	**Operadora/Cliente:** Alexandre Pascal
GRE/Prodemge: Douglas Alvares	**Responsável/cliente:** Belkiss Cançado

Consórcio	VSAT-ID	Porta kbps	Plataforma
STM/Vodanet	SES-PIUI-4131	384/153	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    13.333000      11.588250  DVB-S2 2           Yes
  1   1     0.000000       0.000000  DVB-S2 2           Yes

Satellite (DVB) Receiver Status
-------------------------------
Rx State            : On
DVB State           : Forward link up
Network             : 65281,  Prodemge@Vodanet
Frequency           : 11.588396 GHz
Symbol Rate         : 13.333013 Msps
S2 ModCod
      - receiving   : 4   QPSK-1/2
      - current max : 14   8PSK-3/4
Pilot               : On
Frame length        : Short frame
DVB S2 Mode         : ACM
Roll off            : 0.25
SNR                 : 12.0 dB
Input Power         : -36 dBm
```

```
Satellite (DVB) TX Configuration
--------------------------------
Auto start          : Enabled
IDU output power    : -14 dBm
IDU max output power: 0.0 dBm
EIRP                : max
Default CW Frequency: 14.150500 GHz
ATM mode            : VC-Mux
Header Compression  : UDP/IP/DSM-CC


Satellite (DVB) Transmitter Status
----------------------------------
State               : On (TDMA)
IDU Output Power    : -12.1 dBm
ODU Output Power    : 34.2 dBm
EIRP                : 47.5 dBW
Es/No               : 14.0 dB
Header Compression  :  DSM-CC
Timing correction   : -94 us (261137 us)
Frequency correction: 0 Hz

IP DVB: 10.148.2.129/32


 C:\>ping -n 10 10.147.79.1

 Pinging 10.147.79.1 with 32 bytes of data:

 Reply from 10.147.79.1: bytes=32 time=667ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=591ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=547ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=612ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=527ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=559ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=546ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=557ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=578ms TTL=62
 Reply from 10.147.79.1: bytes=32 time=588ms TTL=62

 Ping statistics for 10.147.79.1:
     Packets: Sent = 10, Received = 10, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
     Minimum = 527ms, Maximum = 667ms, Average = 577ms
```