# TERMO DE ACEITE TÉCNICO

**Solicitante:** ATI - Agência de Tecnologia da Informação do Estado do Piauí

| | |
|---|---|
| **NOC/Operadora:** Jefferson Marques | **Técnico Instalador:** Arnaldo Ribeiro<br>**Contato**: 88 99810-4720<br>**Email**: netpointjuazeiro@gmail.com |
| **ATI:** Weslley Souza | **Responsável/cliente:** Jose Roque de Carvalho Filho |

| Orgão: SEDUC | Unidade: SEDUC – MASSAPE | Data Instalação<br>21/09/2018 | Data Ativação<br>21/09/2018 |
|---|---|---|---|
| **Operadora**<br>Global Eagle | **VSAT-ID**<br>ATI-ES-0052-IND | **Porta kbps**<br>4096/512 | **Tipo**<br>Indoor |

Piauí, 21 de setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

SatLink 2000
- Main board ID 120026, Revision R6.2
- SW ID 120208, Revision 16.0.2 Build 64
# device show
System Information:
   Name          : ATI-ES-0052-IND
   Location       : Bocaina - PI
   Contact       :
   System Up time    : 0 days, 00:01:10
   CPU Load      : 18%
   System time(UTC)   : 21 September 2018 12:37:27
   Broadcast Message   : not set

HW:
   Model         : SatLink 2000
   HW ID        : 120033
   Main board ID    : 120026 R6.2

MAC addresses:
   Ethernet (LAN)    : 00:20:0e:10:86:db
   Satellite (DVB)   : 00:20:0e:10:86:db

# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start       : Enabled
IDU Output Power   : -18 dBm
IDU Max Output Power: 0.0 dBm
Default CW Frequency: 0.000000 GHz
ATM mode       : VC-Mux
Header Compression  : None

Satellite (DVB) Transmitter Status
--------------------------------
State        : On  (DVB-RCS2)
IDU Output Power   : -18.1 dBm
Es/No        : 14.0 dB
Header Compression  : Disabled
Timing correction   : -325 us (249717 us)
Frequency correction: 280 Hz
# dvb rx show

Satellite (DVB) RX Configuration
--------------------------------
Auto start       : Enabled
Max Traffic MODCOD   : 23  16APSK-9/10
RX watchdog      : 15 minute

| Idx | Pri | SymbRate[Msps] | Freq[GHz] | Mode | PopId | SatId | Pos | SatName | Name | Enable |
|-----|-----|----------------|-----------|------|-------|-------|-----|---------|------|--------|
| * 0 | 0 | 25.000000 | 11.628079 | DVB-S2 | 105 | 0 | 0.0 E | | | Yes |

Satellite (DVB) Receiver Status

```
--------------------------------
Rx State        : On
DVB State       : Forward link up
Network         : 1326,  ATI-PI
Frequency       : 11.628109 GHz
Symbol Rate     : 25.000130 Msps
S2 ModCod
   - receiving   : 1   QPSK-1/4
   - current max : 15   8PSK-5/6
Pilot           : On
Frame length    : Short
DVB S2 Mode     : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR             : 12.2 dB
Input Power     : -38 dBm
# arp show

  NetAddr     State  MacAddr          If
   10.225.2.2  Dynamic 00:0b:ab:f5:c9:bc   1
# ip show
Interfaces
If     IPAddress    SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
1     10.225.2.1 255.255.255.252    10.225.2.3 1500        eth0   1
3     172.18.192.45 255.255.255.255      N/A 1500        dvb0   1
4        N/A        N/A       N/A 1500          air0   1

DNS Client Configuration
 Primary DNS Server: 209.244.0.3, Secondary DNS Server: 209.244.0.4

Interface Statistics
  -------------- Input ----------------- ------------- Output ----------------
If   UCast  NUCast   Disc   Octets   UCast  NUCast   Disc   Octets
1     22     11     10     2898     14     4      0     1469
3     77     0      0     5295     121     0      0     8282
4     0      0      0      0      0      0      0      0
IP  Receive Deliver  Errors  Discards Forward Request NoRoute  Discards
     105     74      0      0      31     118     1      13

Interface Directed Routing Table
 In If  Out If


    ---------------IP LAC Statistics----------------
  RPF     Src eq dest     RPF HitCount    SrceqdestHitCount    MfcHitCount (-1/drop classified)
Disabled    Enabled       0          0          0

Routing Table
    DestMask       RouteMask       NextHop If  RtType
   0.0.0.0       0.0.0.0       0.0.0.0  3  STATIC
  10.225.2.0  255.255.255.252       0.0.0.0  1  LOCAL
  10.225.138.0   255.255.255.0     10.225.2.2  1  STATIC
 172.18.192.45  255.255.255.255       0.0.0.0  3  LOCAL
#
```

# 3 – Configurações dos Equipamentos

## Configurações de Rede

| Configurações | Interfaces | Roteamento Estático | Roteamento Dinâmico | Configurações IPv6 | Controle de Banda | H.A. |
|---|---|---|---|---|---|---|

| Status | Interface | Endereço | Gateway | Tipo | Zona | Ação |
|---|---|---|---|---|---|---|
| ⬤ | ⓘ eth0 | 10.225.2.2/30 | - | Física | WAN | ✏ 🗑 |
| ⬤ | ⓘ eth1 | 10.225.138.1/24 | - | Física | LAN | ✏ 🗑 |
| ⬤ | ⓘ eth2 | - | - | Física | - | ✏ 🗑 |
| ⬤ | ⓘ eth3 | - | - | Física | - | ✏ 🗑 |

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
      inet 10.225.2.2  netmask 255.255.255.252  broadcast 10.225.2.3
      ether 00:0b:ab:f5:c9:bc  txqueuelen 10000  (Ethernet)
      RX packets 136567  bytes 192791689 (183.8 MiB)
      RX errors 0  dropped 0  overruns 0  frame 0
      TX packets 70204  bytes 3846838 (3.6 MiB)
      TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
      device memory 0xd0900000-d091ffff

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
      inet 10.225.138.1  netmask 255.255.255.0  broadcast 10.225.138.255
      ether 00:0b:ab:f5:c9:bd  txqueuelen 10000  (Ethernet)
      RX packets 3679  bytes 959426 (936.9 KiB)
      RX errors 0  dropped 0  overruns 0  frame 0
      TX packets 5964  bytes 6069531 (5.7 MiB)
      TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
      device memory 0xd0800000-d081ffff
```

## 4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-ES-0052-IND)

■ Total FWD IP Rate from NetAcc          ■ RET IP Rate from Netacc

4,000 Kbps

3,500 Kbps

3,000 Kbps

2,500 Kbps

2,000 Kbps

1,500 Kbps

1,000 Kbps

500 Kbps

0 Kbps

    11:56          11:57          11:58          11:59          **12:00**          12:01

        11:10          11:20          11:30          11:40          11:50

From: 09-21-2018 11:5 to: 09-21-2018 12:0                    Zoom: MAX