TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Guilherme Cunha	**Técnico Instalador:** CLAUDNEI **Contato**: 11 96577-9767 **Email**: claudnei@telecomtorre.com.br
ATI: Weslley Souza	**Responsável/cliente:** Rafael Junior Rocha Lustosa

Orgão: SEDUC	**Unidade:** Unidade Escolar Verônica Celestina Dias	**Data Instalação** 17/09/2018	**Data Ativação** 17/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0005-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 17 de Setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name           : ATI-ES-005-IND
   Location        : Campo Alegre do Fidalgo - PI
   Contact         :
   System Up time   : 0 days, 12:36:47
   CPU Load        : 6%
   System time(UTC)  : 21 September 2018 06:21:24
   Broadcast Message  : not set

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

MAC addresses:
   LAN            : 00:20:0e:10:89:2b
   Satellite (DVB)    : 00:20:0e:10:89:2b

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start       : Enabled
BUPC status      : Disabled
IDU Output Power   : -20 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   : -20.0 dBm
Es/No          : 14.5 dB
Header Compression  : Disabled
Timing correction   : -97 us (250039 us)
Frequency correction: 80 Hz
# dvb rx show

Satellite (DVB) RX Configuration
-------------------------------
Auto start       : Enabled
Max Signalling MODCOD : 23   16APSK-9/10
Max Traffic MODCOD   : 28   32APSK-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       : 11.628063 GHz
Symbol Rate     : 24.999573 Msps
S2 ModCod
    - receiving  : 1   QPSK-1/4
    - current max : 16   8PSK-8/9
Pilot           : On
Frame length    : Short
DVB S2 Mode     : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR             : 13.4 dB
Input Power     : -35 dBm
# arp show

  NetAddr      State   MacAddr         If
  10.225.0.102  Dynamic 00:0b:ab:f5:c9:74   1
# ip show
Interfaces
If    IPAddress     SubnetMask   BroadCastAddr   MTU        Alias   AdminStatus
1   10.225.0.101 255.255.255.252   10.225.0.103  1500         eth0    1
3   172.18.192.22 255.255.255.255      N/A  1540         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   12726    0      0   2968147  13614    369    0   9072972
3   15046    0      5   9396914  11496     0    0   3141225
4    0      0      0      0      0      0    0      0
IP  Receive  Deliver   Errors InDiscards  Forward  Request  NoRoute  OutDiscards
   26265    3752     0      0   23646   4112    0      5

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  Row-Status
     0.0.0.0       0.0.0.0      0.0.0.0  3  STATIC  ACTIVE
  10.225.0.100  255.255.255.252      0.0.0.0  1  LOCAL  ACTIVE
   10.225.35.0   255.255.255.0   10.225.0.102  1  STATIC  ACTIVE
  172.18.192.22  255.255.255.255     0.0.0.0  3  LOCAL  ACTIVE
```
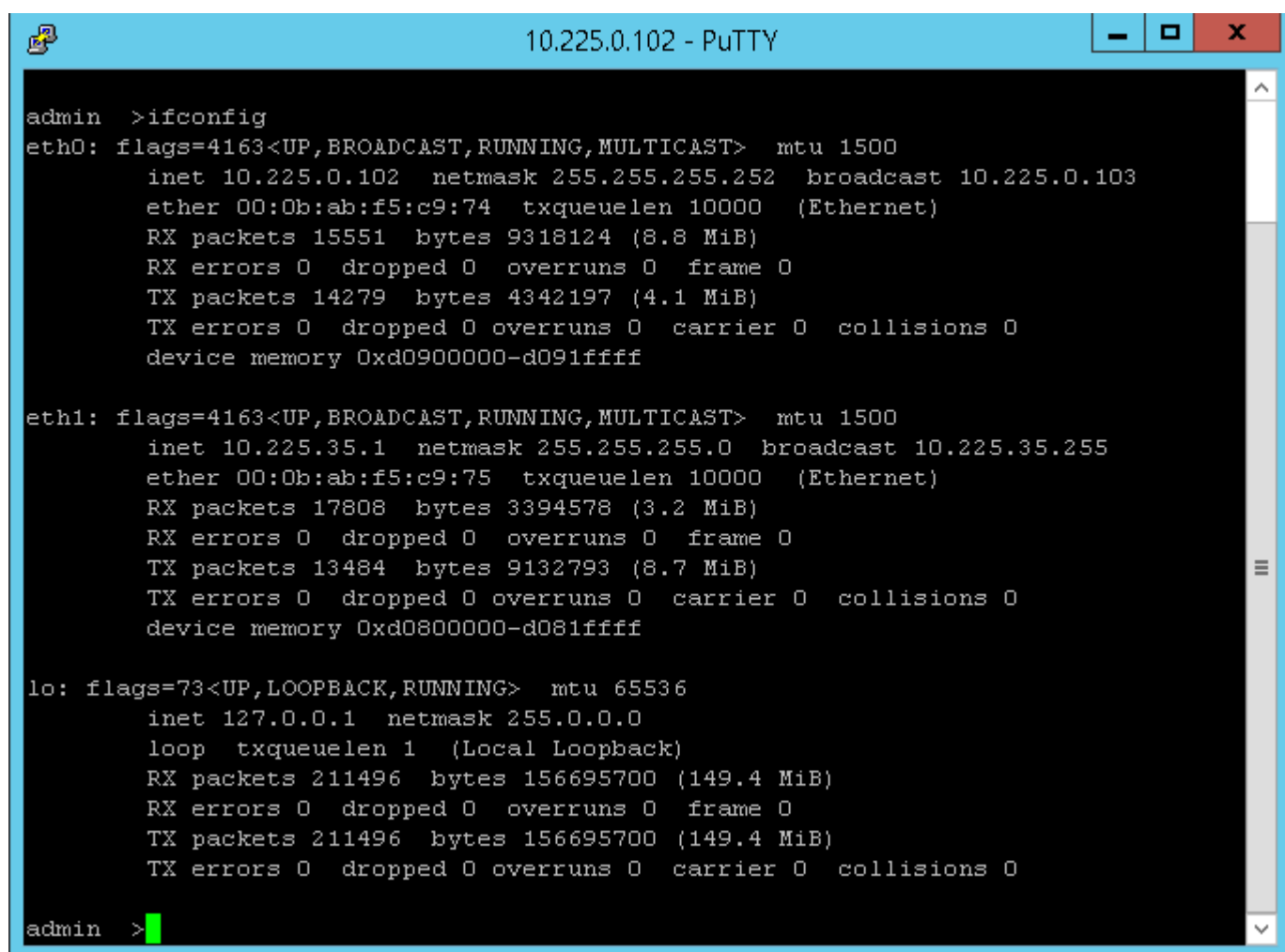
3 – Configurações dos Equipamentos

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.0.102  netmask 255.255.255.252  broadcast 10.225.0.103
        ether 00:0b:ab:f5:c9:74  txqueuelen 10000  (Ethernet)
        RX packets 15551  bytes 9318124 (8.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 14279  bytes 4342197 (4.1 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 10.225.35.1  netmask 255.255.255.0  broadcast 10.225.35.255
        ether 00:0b:ab:f5:c9:75  txqueuelen 10000  (Ethernet)
        RX packets 17808  bytes 3394578 (3.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 13484  bytes 9132793 (8.7 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device memory 0xd0800000-d081ffff

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
        inet 127.0.0.1  netmask 255.0.0.0
        loop  txqueuelen 1  (Local Loopback)
        RX packets 211496  bytes 156695700 (149.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 211496  bytes 156695700 (149.4 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

10.225.0.102 - PuTTY

Wi-Fi

Ativado

Piaui_Conectado
Conectado

Piaui Conectado
Salva

4 – Teste de Velocidade

Download

Graph (Username: ATI-ES-0005-IND)

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

3,500 Kbps

3,000 Kbps

2,500 Kbps

2,000 Kbps

1,500 Kbps

1,000 Kbps

500 Kbps

0 Kbps

11:55