TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** João Carlos Widar **Contato**: 11-96450-8179 **Email**: joao.widar.carlos@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** Maria Jordania da Costa

Orgão: SEDUC	Unidade: Unidade Escolar Luis Ubiraci de Carvalho	Data Instalação 06/10/2018	Data Ativação 06/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0121-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 06 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name             : ATI-ES-0121-IND
   Location         : Isaías Coelho - PI
   Contact          :
   System Up time   : 0 days, 00:01:50
   CPU Load         : 21%
   System time(UTC) : 06 October 2018 17:30:18
   Broadcast Message : not set


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


MAC addresses:
   LAN              : 00:20:0e:10:87:6f
   Satellite (DVB)  : 00:20:0e:10:87:6f


# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start         : Enabled
BUPC status        : Disabled
IDU Output Power   : -17 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   : -16.9 dBm
Es/No          : 13.5 dB
Header Compression : Disabled
Timing correction  : -135 us (249914 us)
Frequency correction: 430 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       : 11.628100 GHz
Symbol Rate     : 25.000228 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             : 11.8 dB
Input Power     : -38 dBm


# arp show

  NetAddr      State   MacAddr          If
  10.225.1.198  Dynamic 00:90:27:f0:2f:7a   1


# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
1   10.225.1.197 255.255.255.252   10.225.1.199  1500         eth0   1
3  172.18.192.123 255.255.255.255      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    238    0    20    31693    247    7     0    32435
3    952    0    40    75569    2052    0     0    131230
4     0     0     0     0     0     0     0     0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    1184    762     0      0    2390    1870    0      66


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
  10.225.1.196 255.255.255.252      0.0.0.0  1  LOCAL  ACTIVE
  10.225.123.0   255.255.255.0   10.225.1.198  1  STATIC  ACTIVE
 172.18.192.123  255.255.255.255      0.0.0.0  3  LOCAL  ACTIVE
```
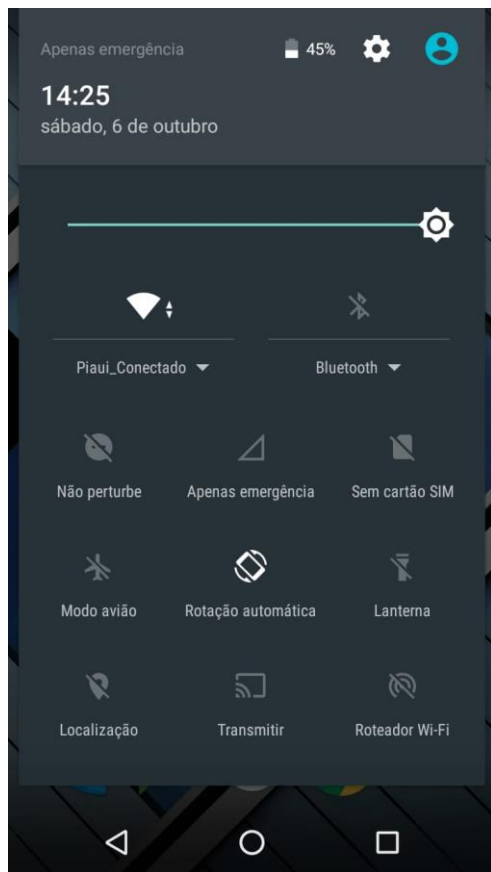
3 – Configurações dos Equipamentos

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
◖	ⓘ eth0	10.225.1.198/30	-	Física	WAN	✏ 🗑
◖	ⓘ eth1	10.225.123.1/24	-	Física	LAN	✏ 🗑
◖	ⓘ eth2	-	-	Física	-	✏ 🗑
◖	ⓘ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.198  netmask 255.255.255.252  broadcast 10.225.1.199
        ether 00:90:27:f0:2f:7a  txqueuelen 10000  (Ethernet)
        RX packets 3101  bytes 440646 (430.3 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 3975  bytes 681088 (665.1 KiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 16  memory 0xfe8e0000-fe900000

eth1: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.123.1  netmask 255.255.255.0  broadcast 10.225.123.255
        ether 00:90:27:f0:2f:7b  txqueuelen 10000  (Ethernet)
        RX packets 5770  bytes 994129 (970.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 7875  bytes 5829459 (5.5 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17  memory 0xfe9e0000-fea00000

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 26419  bytes 24964195 (23.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 26419  bytes 24964195 (23.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload