TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Pedro Bernardes	**Técnico Instalador:** Jean Polini **Contato**: 11 977012709 **Email**: jeanpolinitelecom@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** Jose Lopes da Silva

Orgão: ATI	Unidade: Praça Beira Rio		Data Instalação 13/10/2018	Data Ativação 13/10/2018
Operadora Global Eagle		**VSAT-ID** ATI-PB-0011-OUT	**Porta kbps** 4096/512	**Tipo** Outdoor

Piauí, 13 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-PB-0011-OUT
   Location        : Santa Filomena - PI
   Contact         :
   System Up time     : 0 days, 01:04:37
   CPU Load        : 32%
   System time(UTC)   : 13 October 2018 20:55:55
   Broadcast Message   : not set


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


MAC addresses:
   LAN             : 00:20:0e:10:9c:c5
   Satellite (DVB)     : 00:20:0e:10:9c:c5


# 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    : -19.8 dBm
Es/No          : 14.0 dB
Header Compression  : Disabled
Timing correction   : 12 us (251635 us)
Frequency correction: 280 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       : 11.628074 GHz
Symbol Rate     : 24.999848 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             : 14.1 dB
Input Power     : -36 dBm
# arp show

  NetAddr      State  MacAddr          If
  10.225.0.214  Dynamic 00:90:27:f0:32:ba   1
# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
1   10.225.0.213 255.255.255.252   10.225.0.215  1500         eth0    1
3  172.18.192.172 255.255.255.255       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 252876    151     59 61169515  438316    73      0 582268048
3 430957     0      5 584275294  67748     0      0 49142949
4   0      0     0      0      0      0      0      0
IP Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
   683886    3183     0      0 506170   3269     10      50


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
   10.225.0.212  255.255.255.252      0.0.0.0  1  LOCAL  ACTIVE
   10.225.63.0   255.255.255.0   10.225.0.214  1  STATIC  ACTIVE
 172.18.192.172  255.255.255.255       0.0.0.0  3  LOCAL  ACTIVE
```

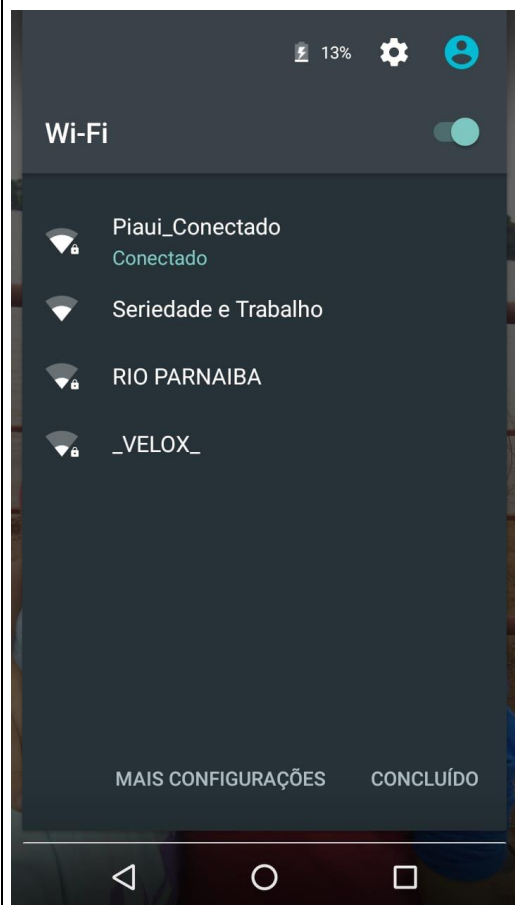# 3 – Configurações dos Equipamentos

Configurações de Rede

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

Status	Interface	Endereço	Gateway	Tipo	Zona	Ação
⬤	ℹ eth0	10.225.0.214/30	-	Física	WAN	✎ 🗑
⬤	ℹ eth1	10.225.63.1/24	-	Física	LAN	✎ 🗑
⬤	ℹ eth2	-	-	Física	-	✎ 🗑
⬤	ℹ eth3	-	-	Física	-	✎ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.0.214  netmask 255.255.255.252  broadcast 10.225.0.215
        ether 00:90:27:f0:32:ba  txqueuelen 10000  (Ethernet)
        RX packets 40  bytes 3298 (3.2 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 47  bytes 4337 (4.2 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 10.225.63.1  netmask 255.255.255.0  broadcast 10.225.63.255
        ether 00:90:27:f0:32:bb  txqueuelen 10000  (Ethernet)
        RX packets 3110  bytes 449673 (439.1 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 5131  bytes 6650331 (6.3 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 27978  bytes 5980867 (5.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 27978  bytes 5980867 (5.7 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload