TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Guilherme Cunha	**Técnico Instalador:** Jean Polini **Contato**: 11 97701-2709 **Email**: jeanpolinitelecom@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** CONCEICAO DE MARIA SOUSA

Orgão: SEDUC	**Data Instalação** 30/10/2018	**Data Ativação** 30/10/2018	
Unidade: Unidade Escolar João de Sousa Moura	**Município:** Santo Inácio do Piauí	**Coordenadas:** 07°25'32.69''S 41°54'39.11''W	

Operadora	VSAT-ID	Porta kbps	Tipo
Global Eagle	ATI-ES-0152-IND	1024/256	Indoor

Piauí, 30 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name          : ATI-ES-0152-IND
   Location       : Santo Inacio do Piaui - PI
   Contact        :
   System Up time     : 0 days, 12:22:20
   CPU Load       : 11%
   System time(UTC)   : 06 November 2018 05:52:39
   Broadcast Message  : not set

HW:
```

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

MAC addresses:
  Ethernet (LAN)    : 00:20:0e:10:85:b1
  Satellite (DVB)    : 00:20:0e:10:85:b1

# 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   : -18.2 dBm
Es/No          : 12.0 dB
Header Compression  : Disabled
Timing correction   : -103 us (249965 us)
Frequency correction: 60 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        : 11.628074 GHz
Symbol Rate       : 25.000185 Msps
S2 ModCod
    - receiving  : 1   QPSK-1/4
    - current max : 21   16APSK-5/6
Pilot          : On
Frame length      : Short
DVB S2 Mode       : ACM
DVB S2 Stream type  : MPEG-TS
Roll off        : 0.25
SNR           : 17.9 dB
Input Power       : -30 dBm
```
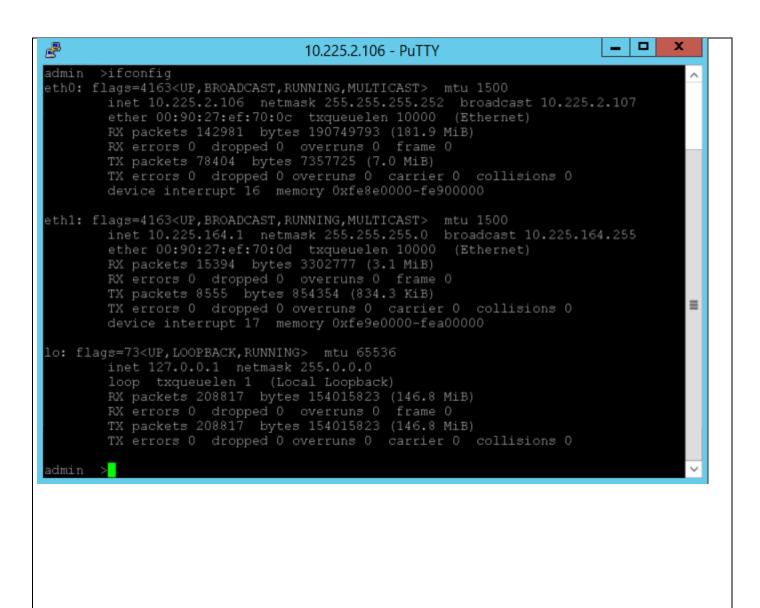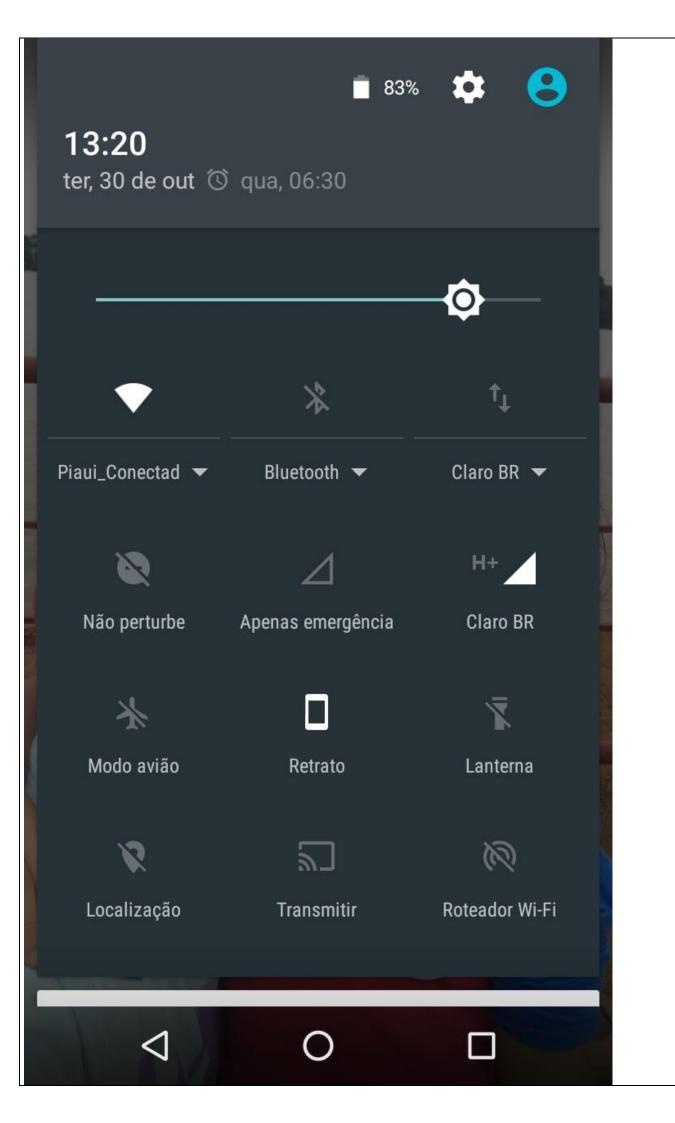
```
# arp show

  NetAddr      State  MacAddr          If
  10.225.2.106  Dynamic 00:90:27:ef:70:0c   1
# ip show
Interfaces
If    IPAddress    SubnetMask   BroadCastAddr  MTU       Alias  AdminStatus
1   10.225.2.105 255.255.255.252   10.225.2.107 1500          eth0   1
3   172.18.192.76 255.255.255.255      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   78353    7    1   7033154 142573    359     0 190172080
3   144713    0    0 190667581  22778     0     0  3685375
4    0    0    0     0    0    0    0    0
IP Receive Deliver  Errors  Discards Forward Request NoRoute  Discards
   222237  3283     0     0 161496  3757     0     2

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
  10.225.2.104  255.255.255.252     0.0.0.0  1   LOCAL
  10.225.164.0   255.255.255.0   10.225.2.106  1  STATIC
 172.18.192.76 255.255.255.255     0.0.0.0  3   LOCAL
#
```

3 – Configurações dos Equipamentos

```
10.225.2.106 - PuTTY                                    _ □ X

admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.2.106  netmask 255.255.255.252  broadcast 10.225.2.107
        ether 00:90:27:ef:70:0c  txqueuelen 10000  (Ethernet)
        RX packets 142981  bytes 190749793 (181.9 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 78404  bytes 7357725 (7.0 MiB)
        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 10.225.164.1  netmask 255.255.255.0  broadcast 10.225.164.255
        ether 00:90:27:ef:70:0d  txqueuelen 10000  (Ethernet)
        RX packets 15394  bytes 3302777 (3.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 8555  bytes 854354 (834.3 KiB)
        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 208817  bytes 154015823 (146.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 208817  bytes 154015823 (146.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

13:20
ter, 30 de out ⏰ qua, 06:30

Piaui_Conectad ▾   Bluetooth ▾   Claro BR ▾

Não perturbe   Apenas emergência   Claro BR

Modo avião   Retrato   Lanterna

Localização   Transmitir   Roteador Wi-Fi

4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-ES-0152-IND)

Total FWD IP Rate from NetAcc   RET IP Rate from Netacc