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
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Orgão: SEDUC	Unidade: Unidade Escolar Raimundo Lustosa Nogueira	Data Instalação 15/10/2018	Data Ativação 15/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0010-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 15 de outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name            : ATI-ES-0010-IND
   Location        : Parnagu▨ - PI
   Contact         :
   System Up time  : 0 days, 00:19:44
   CPU Load        : 30%
   System time(UTC) : 15 October 2018 20:33:51
   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:bf
   Satellite (DVB) : 00:20:0e:10:89:bf

# 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 : 31 us (251280 us)
Frequency correction: 310 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
```
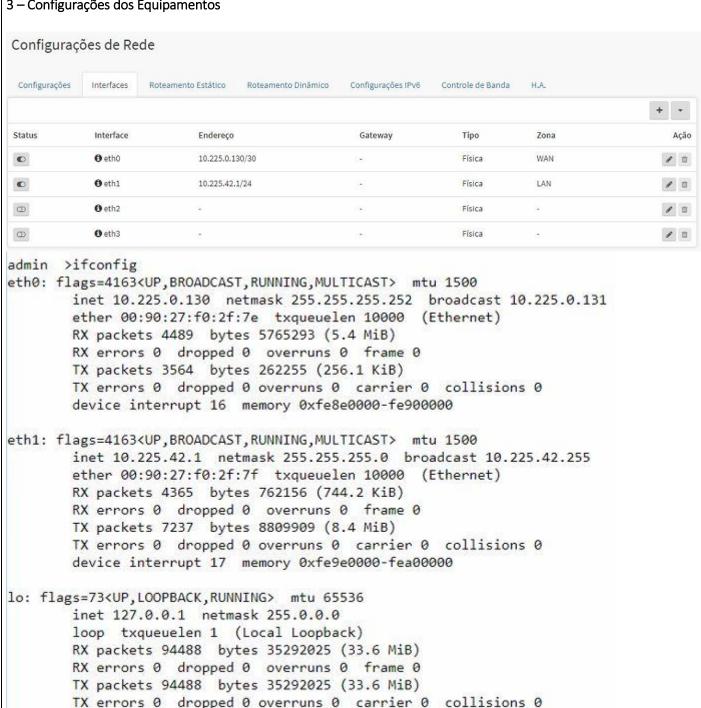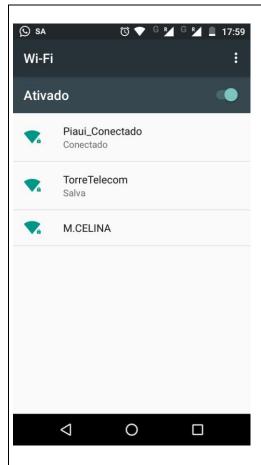
```
--------------------------------
Rx State         : On
DVB State        : Forward link up
Network          : 1326,  ATI-PI
Frequency        : 11.628094 GHz
Symbol Rate      : 24.999920 Msps
S2 ModCod
    - receiving  : 1   QPSK-1/4
    - current max : 16   8PSK-8/9
Pilot            : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 13.2 dB
Input Power      : -41 dBm
# arp show

  NetAddr      State  MacAddr          If
  10.225.0.130  Dynamic 00:90:27:f0:2f:7e   1
# ip show
Interfaces
If   IPAddress      SubnetMask   BroadCastAddr  MTU        Alias   AdminStatus
1    10.225.0.129 255.255.255.252   10.225.0.131 1500          eth0    1
3   172.18.192.177 255.255.255.255        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    714    152    160    147034    610    27     0    103014
3    4309     0     43    334866   6531    0     0    419309
4    0      0     0      0      0     0     0      0
IP  Receive  Deliver   Errors InDiscards  Forward   Request  NoRoute OutDiscards
    5144    4105      0      0    7350   6314     75     252

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
   10.225.0.128  255.255.255.252       0.0.0.0  1  LOCAL  ACTIVE
   10.225.42.0   255.255.255.0   10.225.0.130  1  STATIC  ACTIVE
 172.18.192.177  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	10.225.0.130/30	-	Física	WAN	✏ 🗑
◐	ⓘ eth1	10.225.42.1/24	-	Física	LAN	✏ 🗑
◑	ⓘ eth2	-	-	Física	-	✏ 🗑
◑	ⓘ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.0.130  netmask 255.255.255.252  broadcast 10.225.0.131
        ether 00:90:27:f0:2f:7e  txqueuelen 10000  (Ethernet)
        RX packets 4489  bytes 5765293 (5.4 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 3564  bytes 262255 (256.1 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 10.225.42.1  netmask 255.255.255.0  broadcast 10.225.42.255
        ether 00:90:27:f0:2f:7f  txqueuelen 10000  (Ethernet)
        RX packets 4365  bytes 762156 (744.2 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 7237  bytes 8809909 (8.4 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 94488  bytes 35292025 (33.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 94488  bytes 35292025 (33.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload