TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** Jean Polini **Contato**: 11 97701-2709 **Email**: jeanpolinitelecom@gmail.com
	Responsável/cliente: Regina Medeiros

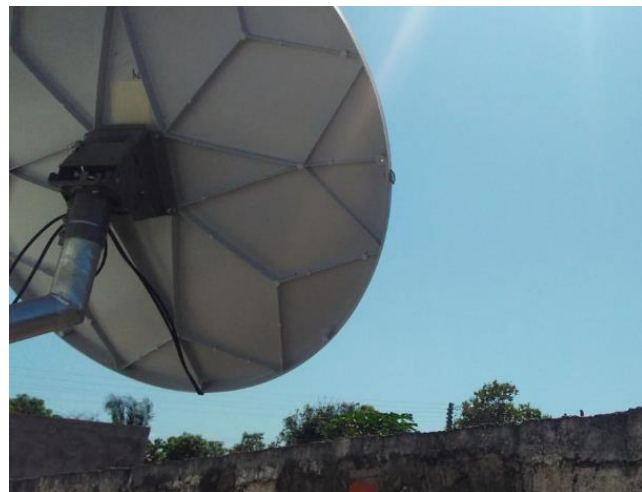| Orgão: SEDUC	Unidade: ADAPI	Data Instalação 21/09/2018	Data Ativação 21/09/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0045-IND	**Porta kbps** 4024/256	**Tipo** Indoor

Piauí, 21 de Setembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
    Name            : ATI-ES-0045-IND
    Location        : Várzea Grande - PI
    Contact         :
    System Up time     : 0 days, 00:58:07
    CPU Load        : 19%
    System time(UTC)   : 21 September 2018 12:17:38
    Broadcast Message   : not set

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

MAC addresses:
    Ethernet (LAN)     : 00:20:0e:10:8a:42
    Satellite (DVB)     : 00:20:0e:10:8a:42

# dvb tx show

Satellite (DVB) TX Configuration
----------------------------
Auto start        : Enabled
IDU Output Power    : -30 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    : -29.8 dBm
Es/No          : 12.0 dB
Header Compression  : Disabled
Timing correction   : -327 us (249999 us)
Frequency correction: 210 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      : 11.628066 GHz
Symbol Rate    : 24.999647 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    : -34 dBm
# odu show

Antenna
-------------------
Type                  ASC/Andrew/Channel Master Type 123 - 1.2m
Antenna controller         None
Tx Gain at 14.25 GHz          43.3dB

Transmitter (BUC)
---------------------------
Type                  JRC NJT5017 (14.0-14.5 GHz)
Local oscillator        13.050000 GHz
DC supply             24V On

Receiver (LNB)
------------------------
Type                  Zinwell ZK-VJ1 (10.70-12.75 GHz)
Local oscillator - LO1       9.750000 GHz
Local oscillator - LO2       10.600000 GHz
Oscillator switching frequency 1-2  11.700000 GHz
LO Switching mode            22kHz
13/18V DC supply             13V

# ip show
Interfaces
If    IPAddress    SubnetMask  BroadCastAddr  MTU       Alias   AdminStatus
1    10.225.1.73 255.255.255.252   10.225.1.75 1500          eth0   1
3   172.18.192.46 255.255.255.255        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    636    447    207   242338    556    75     1    125306
3    560     0     0    125315    724     0     0    132061
4     0      0     0      0       0      0     0      0
IP  Receive  Deliver  Errors  Discards  Forward  Request  NoRoute  Discards
```

```
     1468     353     0      0    1007    314     133      179
```

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
   10.225.1.72 255.255.255.252   0.0.0.0 1   LOCAL
   10.225.92.0 255.255.255.0   10.225.1.74 1 STATIC
  172.18.192.46 255.255.255.255   0.0.0.0 3   LOCAL
#

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	10.225.1.74/24	-	Física	WAN	✏ 🗑
⬤	eth1	10.225.92.1/24	-	Física	LAN	✏ 🗑
⬤	eth2	-	-	Física	-	✏ 🗑
⬤	eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.74  netmask 255.255.255.0  broadcast 10.225.1.255
        ether 00:0b:ab:f5:c6:7a  txqueuelen 10000  (Ethernet)
        RX packets 227  bytes 26916 (26.2 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 472  bytes 36320 (35.4 KiB)
        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 10.225.92.1  netmask 255.255.255.0  broadcast 10.225.92.255
        ether 00:0b:ab:f5:c6:7b  txqueuelen 10000  (Ethernet)
        RX packets 6062  bytes 1340150 (1.2 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 10707  bytes 12335304 (11.7 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 218915  bytes 47836489 (45.6 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 218915  bytes 47836489 (45.6 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0

admin  >
```

Wi-Fi

Ativado

Piaui_Conectado
Conectado

Emater_LinkNet_99930-2120

saude

MarcelaLnet`

Assistencia

Cli40_LinkNet_99930-2120

4 – Teste de Velocidade

Download/Uploand

Graph (Username: ATI-ES-0045-IND)

■ Total FWD IP Rate from NetAcc 4,075.43	■ RET IP Rate from Netacc	486.62


```
4,000 Kbps
3,500 Kbps
3,000 Kbps
2,500 Kbps
2,000 Kbps
1,500 Kbps
1,000 Kbps
500 Kbps
0 Kbps
```

09:30:38 09:31 09:31:30 09:32 09:32:30 09:33 09:33:30 09:34 09:34:30

08:40   08:50   09:00   09:10   09:20

From: 09-21-2018 09:3 to: 09-21-2018 09:3   Zoom: MAX