TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Wallace Teixeira	**Técnico Instalador:** Claudinei Costa **Contato**: 11 97701-2709 **Email**: claudnei@telecomtorre.com.br
	Responsável/cliente: Elizete Martins de Miranda

Orgão: SEDUC	Unidade: Escolar Cipriano Vieira de Sá	Data Instalação 17/10/2018	Data Ativação 17/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0170-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 17 de Outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
device show
System Information:
   Name             : ATI-ES-0170-IND
   Location         : Pajeu -PI
   Contact          :
   System Up time   : 0 days, 00:24:47
   CPU Load         : 21%
   System time(UTC) : 18 October 2018 01:59:15
   Broadcast Message : not set


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

MAC addresses:
   LAN              : 00:20:0e:10:87:02
   Satellite (DVB)  : 00:20:0e:10:87:02

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start          : Enabled
BUPC status         : Disabled
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    : -18.1 dBm
Es/No           : 13.0 dB
Header Compression  : Disabled
Timing correction   : 59 us (250329 us)
Frequency correction: 120 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        : 11.628068 GHz
Symbol Rate      : 25.000099 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              : 14.7 dB
Input Power      : -35 dBm
# odu show


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


Transmitter (BUC)
------------------------------
Type                JRC NJT5017 (14.0-14.5 GHz)
Local oscillator       13.050000 GHz
DC supply           24V On
Reference           10Mhz On


Receiver (LNB)
----------------------------
Type                SatLink 403x (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   10.225.2.177 255.255.255.252   10.225.2.179 1500          eth0   1
 3  172.18.192.180 255.255.255.255       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  157077    576    438  40131245  278304    31    0 363645721
3  273163     0      2 366333756  51500     0     0  32831415
4    0        0      0      0        0       0     0      0
IP  Receive  Deliver  Errors InDiscards  Forward  Request  NoRoute OutDiscards
    430777    1817     0        0  330073    1544     330      375


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
  10.225.2.176  255.255.255.252     0.0.0.0   1  LOCAL   ACTIVE
   10.225.182.0   255.255.255.0   10.225.2.178  1  STATIC  ACTIVE
 172.18.192.180 255.255.255.255     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
⬤	❶ eth0	10.225.2.178/30	-	Física	WAN	✏ 🗑
⬤	❶ eth1	10.225.182.1/24	-	Física	LAN	✏ 🗑
⬤	❶ eth2	-	-	Física	-	✏ 🗑
⬤	❶ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.2.178  netmask 255.255.255.252  broadcast 10.225.2.179
        ether 00:90:27:f0:85:58  txqueuelen 10000  (Ethernet)
        RX packets 15  bytes 960 (960.0 B)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 12  bytes 2131 (2.0 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 10.225.182.1  netmask 255.255.255.0  broadcast 10.225.182.255
        ether 00:90:27:f0:85:59  txqueuelen 10000  (Ethernet)
        RX packets 337  bytes 34768 (33.9 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 0  bytes 0 (0.0 B)
        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 5794  bytes 4084365 (3.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 5794  bytes 4084365 (3.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

23:08

Qua, 17 de out de 2018 06:00

Assistente de Áudio   Otimização do sistema   Calculadora   PowerMaster

Gerenciador de inicialização   Lanterna   Dados móveis   Piaui_Conectado

Som   Localização   Roteador Wi-Fi   Filtro de luz azul

VIVO — TIM / Sem serviço — Claro BR

Alertas de emergência
Novos alertas
10 alertas não lidos.

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ATI-170-PAJEU DO PIAUI - PI

4 – Teste de Velocidade

Download/Upload

Graph (Username: ATI-ES-0170-IND)

- Total FWD IP Rate from NetAcc
- RET IP Rate from Netacc

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

22:40:30 22:41 22:41:30 22:42 22:42:30 22:43 22:43:30 22:44 22:44:30

22:40:30 22:41 22:41:30 22:42 22:42:30 22:43 22:43:30 22:44 22:44:30

From: 10-17-2018 22:4 to: 10-17-2018 22:4   Zoom: MAX