TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Guilherme Cunha	**Técnico Instalador:** OSVALDO COSTA OLIVEIRA **Contato**: 86 9 9802 4522 **Email**: costa-osvaldo@hotmail.com
ATI: Weslley Souza	**Responsável/cliente:** MARCOS WILLIAMS

Orgão: SEDUC	**Data Instalação** 05/11/2018	**Data Ativação** 05/11/2018
Unidade: Centro Administrativo	**Município:** Teresina	**Coordenadas:** 05°06'31.54''S 42°48'48.78''W

Operadora Global Eagle	VSAT-ID ATI-OU-0001-OUT	Porta kbps 1024/256	Tipo Outdoor

Piauí, 05 de novembro de 2018

1 – Local da Instalação

2 – Configurações do Modem

```
# device show
System Information:
   Name        : ATI-OU-0001-OUT
```

```
  Location          : Teresina - PI
  Contact          :
  System Up time      : 0 days, 11:47:19
  CPU Load        : 8%
  System time(UTC)    : 06 November 2018 07:35:03
  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:e5
  Satellite (DVB)    : 00:20:0e:10:87:e5

# dvb tx show

Satellite (DVB) TX Configuration
--------------------------------
Auto start        : Enabled
BUPC status        : Disabled
IDU Output Power    : -19 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    : -18.9 dBm
Es/No         : 15.0 dB
Header Compression  : Disabled
Timing correction   : -115 us (250079 us)
Frequency correction: 40 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        : 11.628052 GHz
Symbol Rate       : 24.999758 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            : 17.7 dB
Input Power       : -32 dBm
# arp show


  NetAddr      State  MacAddr          If
  10.225.1.158  Dynamic 00:90:27:f0:89:84  1
#
# ip show
Interfaces
If     IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
1    10.225.1.157 255.255.255.252   10.225.1.159 1500           eth0    1
3   172.18.192.236 255.255.255.255       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  296431     6    848 118969813  467739    345     0 513172046
3  434332     0    384 515706424  162120     0    294 108197991
4    0     0    0     0     0     0     0     0
IP  Receive  Deliver   Errors InDiscards  Forward  Request  NoRoute OutDiscards
   729877   5246     0      0 631103  26637     0    1243


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
  10.225.1.156  255.255.255.252      0.0.0.0  1  LOCAL  ACTIVE
  10.225.113.0   255.255.255.0   10.225.1.158  1  STATIC  ACTIVE
 172.18.192.236 255.255.255.255      0.0.0.0  3  LOCAL  ACTIVE
```

3 – Configurações dos Equipamentos

```
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.158  netmask 255.255.255.252  broadcast 10.225.1.159
        ether 00:90:27:f0:89:84  txqueuelen 10000  (Ethernet)
        RX packets 101  bytes 16222 (15.8 KiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 436  bytes 30650 (29.9 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 10.225.113.1  netmask 255.255.255.0  broadcast 10.225.113.255
        ether 00:90:27:f0:89:85  txqueuelen 10000  (Ethernet)
        RX packets 4569  bytes 1150143 (1.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 9715  bytes 10775383 (10.2 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
        device interrupt 17  memory 0xfe9e0000-fea00000
```

Configurações de Rede

| Configurações | Interfaces | Roteamento Estático | Roteamento Dinâmico | Configurações IPv6 | Controle |

Status	Interface	Endereço	Gateway	Tip
◉	ⓘ eth0	10.225.1.158/30	-	Fís
◉	ⓘ eth1	10.225.113.1/24	-	Fís
◐	ⓘ eth2	-	-	Fís
◐	ⓘ eth3	-	-	Fís

4 – Teste de Velocidade -Download/Upload

Graph (Username: ATI-OU-0001-OUT)

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

2,500 Kbps

2,000 Kbps

1,500 Kbps

1,000 Kbps

500 Kbps

0 Kbps

17:59   **18:00**   18:01   18:02   18:03   18:04

17:55   18:00

From: 11-05-2018 17:5 to: 11-05-2018 18:0   Zoom: MAX