TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Jefferson Marques	**Técnico Instalador:** MARCOS **Contato**: 11 96577-9767 **Email**: arcostorre2017@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** Jose Wilson dos Santos

Orgão: SEDUC	Unidade: Unidade Escolar Reunidas de Patos	Data Instalação 05/10/2018	Data Ativação 05/10/2018
Operadora Global Eagle	**VSAT-ID** ATI-ES-0128-IND	**Porta kbps** 4096/512	**Tipo** Indoor

Piauí, 05 de Outubro de 2018

1 – Local da Instalação

2 – Configurações do Modem

device show

System Information:

```
Name            : ATI-ES-0128-IND
Location        : Patos do Piauí
Contact         :
   System Up time    : 0 days, 02:24:57
   CPU Load          : 7%
   System time(UTC)  : 06 October 2018 06:03:45
   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:a9
   Satellite (DVB)  : 00:20:0e:10:89:a9

#dvb tx show

Satellite (DVB) TX Configuration
----------------------------
Auto start       : Enabled
BUPC status      : Disabled
IDU Output Power    : -20 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    : -19.8 dBm
Es/No          : 14.5 dB
Header Compression  : Disabled
Timing correction  : -42 us (249763 us)
Frequency correction: 50 Hz
# dvb rx show

Satellite (DVB) RX Configuration
----------------------------
Auto start       : Enabled
```

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
1	1	0.000000	0.000000	DVB-S2	2	0	0.0 E			No

```
Satellite (DVB) Receiver Status
-----------------------------
Rx State       : On
DVB State       : Forward link up
Network       : 1326,  ATI-PI
Frequency       : 11.628076  GHz
Symbol Rate     : 25.000229  Msps
S2 ModCod
   - receiving : 1  QPSK-1/4
   - current max : 15  8PSK-5/6
Pilot        : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off       : 0.25
SNR         : 12.4 dB
Input Power      : -36 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   10.225.1.225 255.255.255.252   10.225.1.227 1500        eth0  1
```

3	172.18.192.116	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
```

If	UCast	NUCast	Disc	Octets	UCast	NUCast	Disc	Octets
1	21399	0	110	6473441	23898	75	0	15939489
3	23012	0	6	16648059	18721	0	126	5891642
4	0	0	0	0	0	0	0	0

IP Receive	Deliver	Errors	InDiscards	Forward	Request	NoRoute	OutDiscards
44118	430	0	0	42820	598	0	119

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
10.225.1.224	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.130.0	255.255.255.0	10.225.1.226	1	STATIC	ACTIVE
172.18.192.116	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
⬤	ℹ eth0	10.225.1.226/30	-	Física	WAN	✏ 🗑
⬤	ℹ eth1	10.225.130.1/24	-	Física	LAN	✏ 🗑
⬤	ℹ eth2	-	-	Física	-	✏ 🗑
⬤	ℹ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.1.226  netmask 255.255.255.252  broadcast 10.225.1.227
        ether 00:90:27:ef:70:20  txqueuelen 10000  (Ethernet)
        RX packets 9318  bytes 1636960 (1.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 8318  bytes 1353673 (1.2 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 10.225.130.1  netmask 255.255.255.0  broadcast 10.225.130.255
        ether 00:90:27:ef:70:21  txqueuelen 10000  (Ethernet)
        RX packets 13147  bytes 2138802 (2.0 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 15699  bytes 8244714 (7.8 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 115627  bytes 59658505 (56.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 115627  bytes 59658505 (56.8 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade

Download/Upload