

 		<h1>TERMO DE ACEITE TÉCNICO</h1>	
Solicitante: ATI - Agência de Tecnologia da Informação do Estado do Piauí			
NOC/Operadora: Wallace Teixeira		Técnico Instalador: Claudinei Contato: 11 96577-9767 Email: claudinei@telecomtorre.com.br	
ATI: WesleySouza		Responsável/cliente: Maria do Carmo Silva Abreu	
Orgão: SEDUC	Unidade: Unidade Escolar Santa Teresina	Data Instalação 06/10/2018	Data Ativação 06/10/2018
Operadora Global Eagle	VSAT-ID ATI-ES-0113-IND	Porta kbps 4096/512	Tipo Indoor

Piauí, 07 de Outubro de 2018

1 – Local da Instalação



device show

System Information:

Name : ATI-ES-0113-IND
 Location : PI
 Contact :
 System Up time : 0 days, 00:26:15
 CPU Load : 29%
 System time(UTC) : 07 October 2018 01:08:45
 Broadcast Message : not set

HW:

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

MAC addresses:

Ethernet (LAN) : 00:20:0e:10:9b:54
 Satellite (DVB) : 00:20:0e:10:9b:54

dvb rx show

Satellite (DVB) RX Configuration

 Auto start : Enabled
 Max Traffic MODCOD : 23 16APSK-9/10
 RX watchdog : 15 minute

Idx	Pri	SymbRate[Msp/s]	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 : 11.628004 GHz
 Symbol Rate : 24.999904 Msp/s
 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 : 12.8 dB
 Input Power : -35 dBm

```
# dvb tx show
```

Satellite (DVB) TX Configuration

```
-----
Auto start      : Enabled
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           : 12.5 dB
Header Compression : Disabled
Timing correction : -14 us (249881 us)
Frequency correction: 360 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       : 11.628004 GHz
Symbol Rate     : 24.999891 Msps
S2 ModCod
  - receiving   : 14 8PSK-3/4
  - 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             : 12.7 dB
Input Power     : -35 dBm
```

```
# odu show
```

Antenna

```
-----
Type                BrasilSat SOB107-12 - 1.2m
Antenna controller  None
Tx Gain at 14.25 GHz  43.0dB
```

Transmitter (BUC)

```
-----
Type                JRC NJT5017 (14.0-14.5 GHz)
Local oscillator     13.050000 GHz
DC supply            24V 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	10.225.1.165	255.255.255.252	10.225.1.167	1500	eth0	1
3	172.18.192.125	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	8043	305	129	7732730	6657	29	0	1952256	
3	6391	0	0	1939129	7588	0	204	7195480	
4	0	0	0	0	0	0	0	0	

IP	Receive	Deliver	Errors	Discards	Forward	Request	NoRoute	Discards
	14703	893	0	0	13711	780	97	146

Interface Directed Routing Table

In If Out If

-----IP LAC Statistics-----

RPF	Src eq dest	RPF HitCount	Src eq dest HitCount	Mfc HitCount (-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
10.225.1.164	255.255.255.252	0.0.0.0	1	LOCAL
10.225.115.0	255.255.255.0	10.225.1.166	1	STATIC
172.18.192.125	255.255.255.255	0.0.0.0	3	LOCAL

3 – Configurações dos Equipamentos

```
admin >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.225.1.166 netmask 255.255.255.252 broadcast 10.225.1.167
    ether 00:90:27:ef:70:80 txqueuelen 10000 (Ethernet)
    RX packets 40 bytes 3150 (3.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 32 bytes 2206 (2.1 KiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
    device interrupt 16 memory 0xfe8e0000-fe900000

eth1: flags=4099<UP,BROADCAST,MULTICAST> mtu 1500
    inet 10.225.115.1 netmask 255.255.255.0 broadcast 10.225.115.255
    ether 00:90:27:ef:70:81 txqueuelen 10000 (Ethernet)
    RX packets 367 bytes 44131 (43.0 KiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 2 bytes 128 (128.0 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 153931 bytes 112103673 (106.9 MiB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 153931 bytes 112103673 (106.9 MiB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
```

Configurações de Rede

Configurações		Interfaces	Roteamento Estático	Roteamento Dinâmico	Configurações IPv6	Controle de Banda	H.A.	
								<div>+ -</div>
Status	Interface	Endereço	Gateway	Tipo	Zona	Ação		
	eth0	10.225.1.166/30	-	Física	WAN			
	eth1	10.225.115.1/24	*	Física	LAN			
	eth2	-	*	Física	-			
	eth3	-	-	Física	-			



4 – Teste de Velocidade

-Download/Upload

