	TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Wallace Teixeira	**Técnico Instalador:** Jean Polini **Contato**: 11 977012709 **Email**: jeanpolinitelecom@gmail.com
ATI: Weslley Souza	**Responsável/cliente:**Jose Maria Rodrigues Lobato

Orgão: ATI - Agência de Tecnologia da Informação		**Data Instalação** 21/11/2018	**Data Ativação** 21/11/2018
Unidade: Escritório da Soletec Brasil	**Município:** Teresina		**Coordenadas:** 5°8'25.00"S 42°47'10.00"W
Operadora Global Eagle	**VSAT-ID** ATI-OU-0214-Out		**Porta kbps** 4M/256k · **Tipo** Outdoor

Piauí, 21 de Novembro de 2018

1 – Local da Instalação

2 – Configurações do modem

```
# device show System
Information:
    Name            : ATI-OU-0214-OUT
Location        : Teresina- PI    Contact
:
    System Up time      : 0 days, 00:57:02
    CPU Load         : 22%
    System time(UTC)    : 21 November 2018 03:16:17
    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:db
    Satellite (DVB)     : 00:20:0e:10:87:db

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------- Auto
start         : Enabled
BUPC status        : Disabled
IDU Output Power    : -16 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    : -15.9 dBm
Es/No          : 11.5 dB
Header Compression  : Disabled
Timing correction   : 58 us (251505 us)
Frequency correction: 60 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

DVB State   : Forward link up
Network   : 1326, ATI-PI
Frequency   : 11.628141 GHz
Symbol Rate   : 25.000450 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   : 16.9 dB
Input Power   : -27 dBm
 # odu show

Antenna

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

Transmitter (BUC)

Type	JRC NJT5037 (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	10.225.3.97	255.255.255.252	10.225.3.99	1500	eth0	1
3	172.18.193.38	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	68874	7	0	36107731	87523	32	0	77094070
3	86110	0	0	81410375	44173	0	875	33007606
4	0	0	0	0	0	0	0	0

IP	Receive	Deliver	Errors	InDiscards	Forward	Request	NoRoute	OutDiscards	154898	608
0	0	132795	898	0	1					

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
10.225.3.96	255.255.255.252	0.0.0.0	1	LOCAL	ACTIVE
10.225.226.0	255.255.255.0	10.225.3.98	1	STATIC	ACTIVE
172.18.193.38	255.255.255.255	0.0.0.0	3	LOCAL	ACTIVE

3 – Configurações dos Equipamento

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.3.98  netmask 255.255.255.252  broadcast 10.225.3.99
        ether 00:90:27:f0:86:00  txqueuelen 10000  (Ethernet)
        RX packets 276331  bytes 342727250 (326.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 169289  bytes 59647287 (56.8 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 10.225.226.1  netmask 255.255.255.0  broadcast 10.225.226.255
        ether 00:90:27:f0:86:01  txqueuelen 10000  (Ethernet)
        RX packets 168370  bytes 59536453 (56.7 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 276255  bytes 342413790 (326.5 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 21244  bytes 15218543 (14.5 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 21244  bytes 15218543 (14.5 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.

Status	Interface	Endereço	Gateway	Tipo	Zona	Aç
⬤	eth0	10.225.3.98/30	-	Física	WAN	✎
⬤	eth1	10.225.226.1/24	-	Física	LAN	✎
◌	eth2	-	-	Física	-	✎
◌	eth3	-	-	Física	-	✎

4 – Teste de Velocidade   -Download /Upload

Graph (Username: ATI-OU-0214-OUT)

Total FWD IP Rate from NetAcc   RET IP Rate from Netacc

	23:18	23:18:30	23:19	23:19:30	23:20	23:20:30	23:21

From: 11-20-2018 23:1 to: 11-20-2018 23:2   Zoom: MAX