TERMO DE ACEITE TÉCNICO

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

NOC/Operadora: Leonardo Martins Silva	**Técnico Instalador:** João Carlos **Contato**: 11 96450-8179 **Email**: joao.widar.carlos@gmail.com
ATI: Weslley Souza	**Responsável/cliente:** AURÉLIO RODRIGUES DE OLIVEIRA

Orgão: ATI	**Data Instalação** **22/12/2018**		**Data Ativação** **22/12/2018**
Unidade: U.E.DOM RAIMUNDO CASTRO SILVA	**Município: São José do Peixe**	**Coordenadas: 7°29'38.00"S 42°33'53.00"W**	

Operadora	**VSAT-ID**	**Porta kbps**	**Tipo**
Global Eagle	ATI-ES-0278-IND	4M/512k	Indoor

Piauí, 22 de Dezembro de 2018

1 – Local da Instalação

```
2 – Configurações do Modem

# device show
System Information:
   Name            : ATI-ES-0057-IND
   Location        : PI
   Contact         :
   System Up time     : 0 days, 00:05:43
   CPU Load        : 7%
   System time(UTC)   : 04 September 2018 11:32:12
   Broadcast Message   : not set


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

MAC addresses:
   Ethernet (LAN)     : 00:20:0e:10:89:5b
   Satellite (DVB)     : 00:20:0e:10:89:5b

# dvb tx show

Satellite (DVB) TX Configuration
-------------------------------
Auto start        : Enabled
IDU Output Power    : -22 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    : -22.1 dBm
Es/No        : 15.5 dB
Header Compression  : Disabled
Timing correction   : -283 us (249469 us)
Frequency correction: 160 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        : 11.628112 GHz
Symbol Rate      : 25.000098 Msps
S2 ModCod
    - receiving   : 1   QPSK-1/4
    - current max : 14   8PSK-3/4
Pilot            : On
Frame length     : Short
DVB S2 Mode      : ACM
DVB S2 Stream type  : MPEG-TS
Roll off         : 0.25
SNR              : 10.5 dB
Input Power      : -38 dBm
# arp show


  NetAddr      State  MacAddr         If
   10.225.1.90  Dynamic 00:90:27:f0:2f:36   1


# ip show
Interfaces
If    IPAddress     SubnetMask  BroadCastAddr  MTU        Alias   AdminStatus
1    10.225.1.89 255.255.255.252    10.225.1.91 1500          eth0   1
3  172.18.193.233 255.255.255.255       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    925    525    242   251679   1152    16    0    634386
3   1387    0     0    648130   1107    0    0    139729
4    0     0     0     0     0     0    0     0
IP  Receive  Deliver  Errors  Discards  Forward  Request  NoRoute  Discards
    2817    788    0     0   1809    466    95     108


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
    0.0.0.0      0.0.0.0      0.0.0.0  3  STATIC
  10.225.1.88  255.255.255.252      0.0.0.0  1  LOCAL
  10.225.96.0   255.255.255.0    10.225.1.90  1  STATIC
 172.18.193.233 255.255.255.255      0.0.0.0  3  LOCAL
#
```
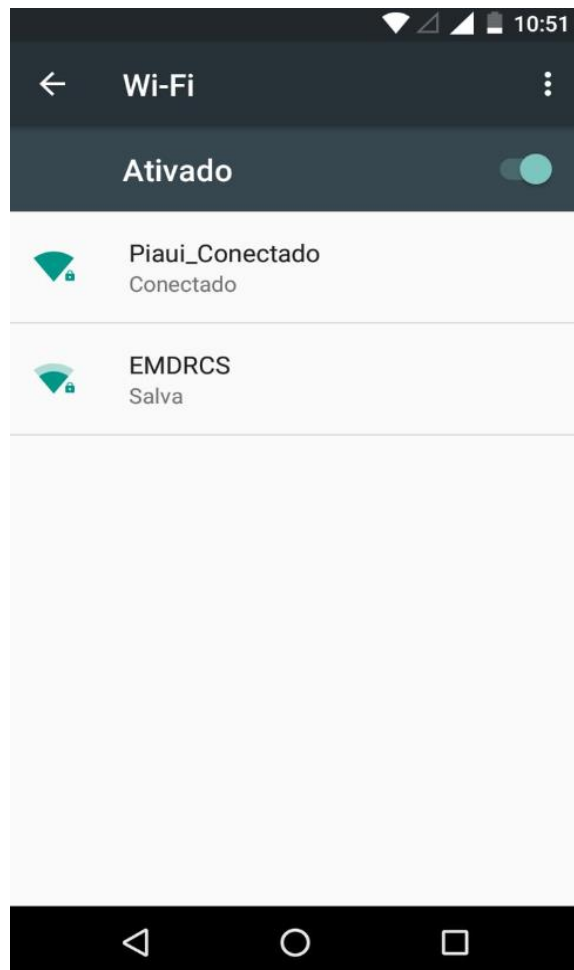
3 – Configurações dos Equipamentos

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	10.225.4.98/30	-	Física	WAN	✏ 🗑
⬤	ℹ eth1	10.226.34.1/24	-	Física	LAN	✏ 🗑
⬤	ℹ eth2	-	-	Física	-	✏ 🗑
⬤	ℹ eth3	-	-	Física	-	✏ 🗑

```
admin  >ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
        inet 10.225.4.98  netmask 255.255.255.252  broadcast 10.225.4.99
        ether 00:90:27:f0:86:7c  txqueuelen 10000  (Ethernet)
        RX packets 38925  bytes 31301058 (29.8 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 28119  bytes 4163640 (3.9 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 10.226.34.1  netmask 255.255.255.0  broadcast 10.226.34.255
        ether 00:90:27:f0:86:7d  txqueuelen 10000  (Ethernet)
        RX packets 34895  bytes 5420227 (5.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 51637  bytes 46982584 (44.8 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 357462  bytes 238171862 (227.1 MiB)
        RX errors 0  dropped 0  overruns 0  frame 0
        TX packets 357462  bytes 238171862 (227.1 MiB)
        TX errors 0  dropped 0 overruns 0  carrier 0  collisions 0
```

4 – Teste de Velocidade -Download/Upload