

## [ANEXO N° 1]

### [Instalación router NE40E-X2 Site USB]

A continuación se presentan las imágenes tomadas correspondientes a la instalación del equipo escogido para la nueva plataforma, las siguientes imágenes corresponden al Sitio Core USB:

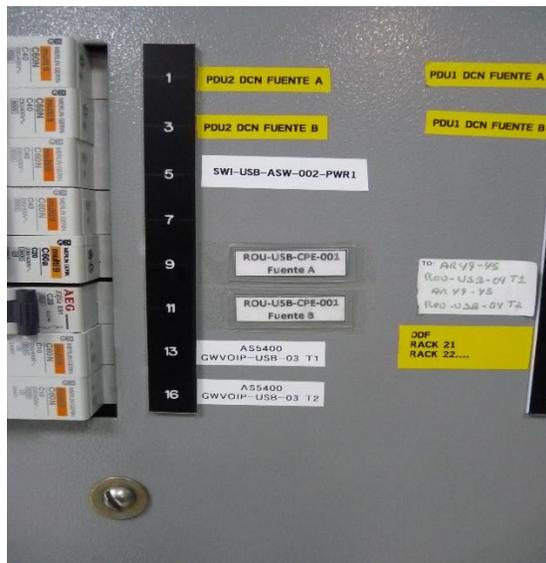


Figura A-1 Vista general tablero de energía

Fuente: "Propia".



Figura A-2 Vista general router instalado en rack corporativo

Fuente: "Propia".



Figura A-2 Vista general router instalado en rack corporativo

Fuente: "Propia".



Figura A-3 Vista general router instalado en rack corporativo

Fuente: "Propia".



Figura A-3 Vista general cableado de gestión

Fuente: "Propia".



Figura A-4 Vista general cableado de tráfico hacia equipo POP

Fuente: "Propia".

## [ANEXO N° 2]

### [Script de configuración para la gestión del equipo ROU-USB-CPE-001]

```
ip route-static 0.0.0.0 0.0.0.0 10.44.101.2 description O&M_BB_IP
```

```
interface GigabitEthernet0/0/0
```

```
speed auto
```

```
duplex auto
```

```
description ROU-USB-CPE-001 GE 0/0/0 to SWI-USB-DCN-001 GE 2/0/32
```

```
undo shutdown
```

```
ip address 10.44.101.13 255.255.255.224
```

[ANEXO N° 3]

[Datasheet equipo router NE40E-X2]

| Item                        | Description  |   |
|-----------------------------|--|---|
|                             | NE40E-X1   | NE40E-X2  |
| Capacity                    | Backplane Capacity: 285Gbps<br>Port capacity: 20Gbps<br>Forwarding Capacity: 30Mpps  | Backplane Capacity: 450Gbps<br>Port capacity: 40Gbps<br>Forwarding Capacity: 60Mpps |
| Slots                       | 1 for NPU, 2 for MPUs, 4 for FICs  | 2 for NPUs, 2 for MPUs, 8 for FICs  |
| Interface Types             | 10GE- LAN /WAN<br>GE/FE<br>Channelized OC-3/STM-1<br>OC-3c/STM-1c ATM<br>E1(75/ 120ohm)<br>OC-3c/STM-1c  |   |
| Clock Transmission          | Synchronous Ethernet (SSM), Adaptive Clock Recovery (ACR), IEEE 1588v2   |   |
| L2 Ethernet                 | IEEE802.1q, IEEE802.1p, IEEE 802.3ad , IEEE 802.1ab, STP/RSTP/MSTP, RRRP, DHCP+, VLAN Switch, and User Binding   |   |
| IPv4/IPv6 Routing Protocols | Static routing, RIP/RIPng, OSPF/OSPFv3, IS-IS/IS-ISv6, BGPv4/BGP4+, IPv6 over Ethernet, IPv6CP/IPv6 ACL/Telnet, IPv6 MPLS VPN(V6 PE), IS-IS MT   |   |
| L2/L3 VPN                   | LDP over TE, VPLS/H-VPLS, Policy Routing to VPN, L2 VPN/VLL with Martini and Kompella VLL/VPLS access L3 VPN Instance QinQ, MPLS/BGP L3 VPN, Inter-AS VPN with option A/B/C  |   |
| Multicast                   | IGMP v1/v2/v3, IGMP Snooping, Multicast VPN, IPv6 Multicast, Static Multicast Routing, PIM-DM/SM/SSM, MSDP, MBGP Deploy Multicast and TE at same time Multicast CAC  |   |
| QoS                         | WRED, DS-TE with 8CT, H-QoS with 5 levels, VLL/PWE3 QoS, Access Network QoS Control, User Location Report  |   |
| Network Reliability         | BGP/BGP4+/ISIS/ISIS6/OSPF/OSPFv3/PIM/MSDP/IGMP/LDP/RSVP-TE/L3VPN NSR, BGP/IS-IS/OSPF GR/LDP GR/RSVP GR/NSF, VLL/VPLS/L3VPN GR/NSF, BGP/IGP/Multicast Fast Convergence IP/LDP FRR, TE FRR, VPN FRR, VLL FRR BFD for Static Routing, IS-IS, RSVP, LDP, TE, LSP, PW, OSPF, BGP, VRRP, PIM,RRPP RRPP Ring Protect, ICB PW, E-trunk, E-APS, MSP 1+1 MPLS OAM N:1 Protect(Trunk port support), Ethernet OAM(L2 LSA , 802.1ag and 802.1ah), MPLS-TP, Y.1731, PWE3 End to End Protection |   |
| Dimensions (WxDxH)          | 442mmx220mmx132mm  | 442mmx220mmx222mm   |

Figura A-5 Descripción general equipo router Huawei NE40E-X2

Fuente: www.huawei.com

|                        |  |                         |
|------------------------|--|-------------------------|
| Weight                 | 14KG (fully configured)  | 22KG (fully configured) |
| Max. Power Consumption | 480W   | 850W                    |
| Environment            | Work temperature: -20°C to +60°C<br>Restriction on temperature variation rate: 30°C/hour<br>Long time work humidity: 5% RH to 85% RH, non-condensing<br>Shot time work humidity: 0% RH to 95% RH, non-condensing<br>Long time work altitude: ≤3000 m |                         |

Figura A-6 Descripción general equipo router Huawei NE40E-X2

Fuente: [www.huawei.com](http://www.huawei.com)