

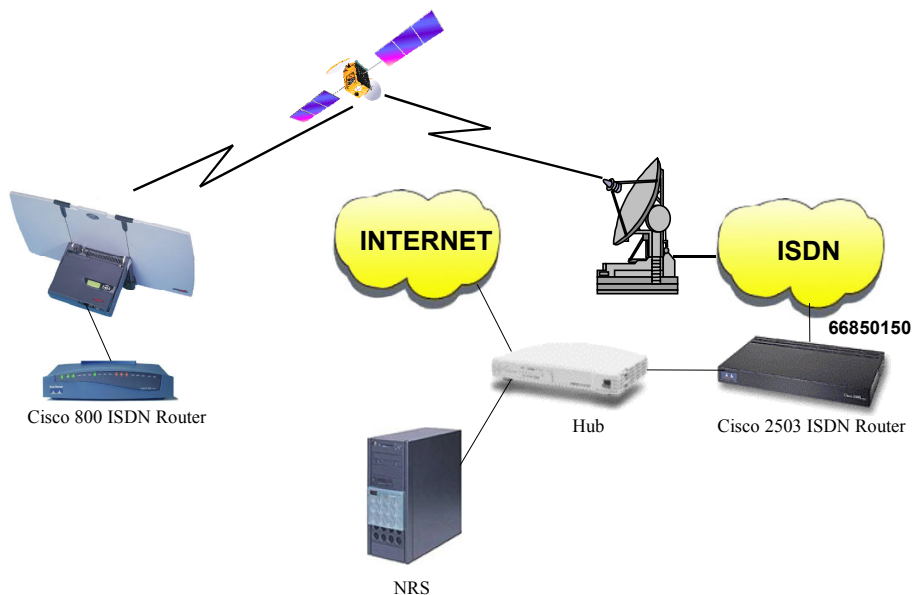
Cisco 800 with Nera WorldCommunicator and F77

1. INTRODUCTION

This Application Note is made to test Cisco 800 router connection with the Nera WorldCommunicator GAN and F77 Fleet terminals. Please note that it does not contain information on how to program Cisco routers. Please note that Nera SatCom AS can not give technical support on how to set-up routers. This document is only to show the set-up of the Cisco 800, so that it will connect the router on the Nera Reference Server. The NRS router is a Cisco 2503.

1.1 NRS Configuration

This is NRS hardware configuration. The username is: **m4user** and password: **neraserver**.



2. CISCO 800 SET-UP

This is the set-up script for the remote side, connected to the Nera equipment.
Cisco 800 script:

```
Using 1146 out of 8060 bytes
!  
version 12.0  
no service pad  
service timestamps debug uptime  
service timestamps log uptime  
no service password-encryption  
!  
hostname bat
```

```
!  
enable secret 5 $1$ScE20$Xojw1mkIgN3ptOVyR6GXz0  
enable password marmar  
!  
username mar1gw password 0 kplrs437  
!  
ip subnet-zero  
!  
ip dhcp pool DHCPpoolLAN_0  
network 192.168.1.0 255.255.255.0  
dns-server 194.19.8.17  
default-router 192.168.1.222  
!  
isdn switch-type basic-net3  
isdn voice-call-failure 0  
isdn tei-negotiation first-call  
!  
interface Ethernet0  
ip address 192.168.1.222 255.255.255.0  
no ip directed-broadcast  
ip nat inside  
!  
interface BRI0  
ip address negotiated  
no ip directed-broadcast  
ip nat outside  
encapsulation ppp  
dialer idle-timeout 20  
dialer string 004766850150#  
dialer-group 1  
isdn switch-type basic-net3  
ppp pap sent-username m4user password 7 10400C0B040417191A0138  
!  
ip nat inside source list 101 interface BRI0 overload  
no ip http server  
ip classless  
ip route 0.0.0.0 0.0.0.0 BRI0  
!  
access-list 101 permit ip 192.168.0.0 0.0.255.255 any  
dialer-list 1 protocol ip permit  
!  
line con 0  
transport input none  
stopbits 1  
line vty 0 4  
password nettert  
login  
!  
no rcapi server  
!  
end
```

3. CISCO 2503 NRS SET-UP

This is the Cisco 2503 script for the NRS:

```
version 11.3
no service password-encryption
!
hostname isdnmar
!
username m4user password 0 neraserver
ip address-pool local
isdn switch-type basic-net3
!
interface Ethernet0
ip address 194.19.8.19 255.255.255.240
!
interface Serial0
no ip address
shutdown
!
interface Serial1
no ip address
shutdown
!
interface BRI0
ip unnumbered Ethernet0
encapsulation ppp
dialer idle-timeout 3600
dialer enable-timeout 5
dialer wait-for-carrier-time 20
dialer-group 1
ppp authentication pap
!
ip local pool default 194.19.8.22 194.19.8.23
ip classless
ip route 0.0.0.0 0.0.0.0 194.19.8.17
dialer-list 1 protocol ip permit
!
line con 0
exec-timeout 0 0
line aux 0
line vty 0 4
password nettert
login
!
end
```

4. NOTE

The purpose of Nera's application notes is to present ideas of the use of our products and to outline how to incorporate our products in larger communication systems. The notes describe tests that we have conducted in our lab. The application notes do not imply that Nera offers technical support for the peripheral units described in the application notes unless other is specified. Nera does not guarantee that applications described will work properly in environments different from ours.