1 Purpose

This document describes the procedure and a process for configuring the remote office router. The procedure is intended for SEC Network Administrator to use ONLY in times of setting up new router to the corporate network.

2 Scope

The procedure serves as fine grained guide with step by step tasks to follow in case a new router is configured or adding new site. Due to the fact that passwords are supposed to be changed from time to time, passwords are not included as part of this procedure.

3 References

N/A

4 Definitions

RIP - Routing Information Protocol

5 Responsibilities

Network &Security Engineer/ Network Administrator – Only the NetworkAdministrator OR an approved IT department employee is responsible for configure a main router on the SEC corporate network.
The Network & Security Engineer – Only the Network & Security Engineer or the IT Manager can approve the modification of settings on this router.

6 Procedure

6.1 Connect the router to your PC with a serial cable and use the following settings:

- Connect using: COM1, Bits per second: 9600, Data Bits: 8, Parity: None, Stop bits: 1, Flow control: none
- After your router boots, type **Setup**
- And the following prompt displays. Enter **no**.
- Would you like to enter the initial configuration dialog [yes]: **no**

6.2 Global Parameters

Router# config t

Router config# hostname NHL

Router config# enable secret <cisco800>

Router config# no ip domain-lookup

Ethernet Interface

6.3 To configure the Ethernet interface.

Router (config)# interface ethernet 0

Router (config-if)#ip address 147.110.189.62 255.255.255.224

Router (config-if)# no shutdown

Router (config-if)# exit

6.4 To configure the serial interface.

Router (config)# interface serial 0

Router (config-if)#ip address 160.124.77.90 255.255.255.252

Router (config-if)# encapsulation ppp

Router (config-if)# no shutdown

Router (config-if)# exit

Router (config)#ip route 0.0.0.0 0.0.0.0 serial0

6.5 Command-Line Access to the Router

To configure parameters to control access to the router

Router (config)# line console 0

Router (config-line)# password <password>

Router (config-line)# login

Router (config-line)# line vty 0 4

Router (config-line)# password <password>

Router (config-line)# login

Router (config-line)# end

This means that the network is using RIP; the default network is advertised as 0.0.0.0. Routing Information Protocol (RIP) is a distance-vector routing protocol.In a network where, there are multiple default gateways, you must understand that certain parts of the network will be routed out one direction, and other parts might be routed out another direction.—See Annex 1

7 Records

Annex 1

```
NHL#sh run
Building configuration...

Current configuration : 1093 bytes
!
version 12.2
no service pad
service timestamps debug datetime msec
service timestamps log datetime msec
service password-encryption
!
hostname NHL
!
logging queue-limit 100
enable secret 5 $1$qd81$e0.1q3aMVT6KpV8LBEL/x.
!
username mbn password 7 110A1016141D535C54
ip subnet-zero
no ip source-route
!
!
!
!
interface Ethernet0
 ip address 147.110.189.62 255.255.255.224
 ip access-group 121 in
 no ip proxy-arp
!
interface Serial0
 description RCN
 ip address 160.124.77.90 255.255.255.252
 no ip proxy-arp
 encapsulation ppp
!
ip classless
ip route 0.0.0.0 0.0.0.0 Serial0
ip http server
!
!
access-list 121 deny   udp any eq netbios-dgm any
access-list 121 deny   udp any eq netbios-ns any
access-list 121 deny   udp any eq netbios-ss any
access-list 121 deny   tcp any eq 137 any
access-list 121 deny   tcp any eq 138 any
access-list 121 deny   tcp any eq 139 any
access-list 121 permit ip any any
snmp-server community public RO
snmp-server community private RW
snmp-server enable traps tty
!
line con 0
 exec-timeout 120 0
 stopbits 1
line vty 0 4
 exec-timeout 0 0
 login local
!
end

NHL#
```